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DUBAI BREAKS GROUND FOR LARGEST CSP PROJECT IN THE WORLD

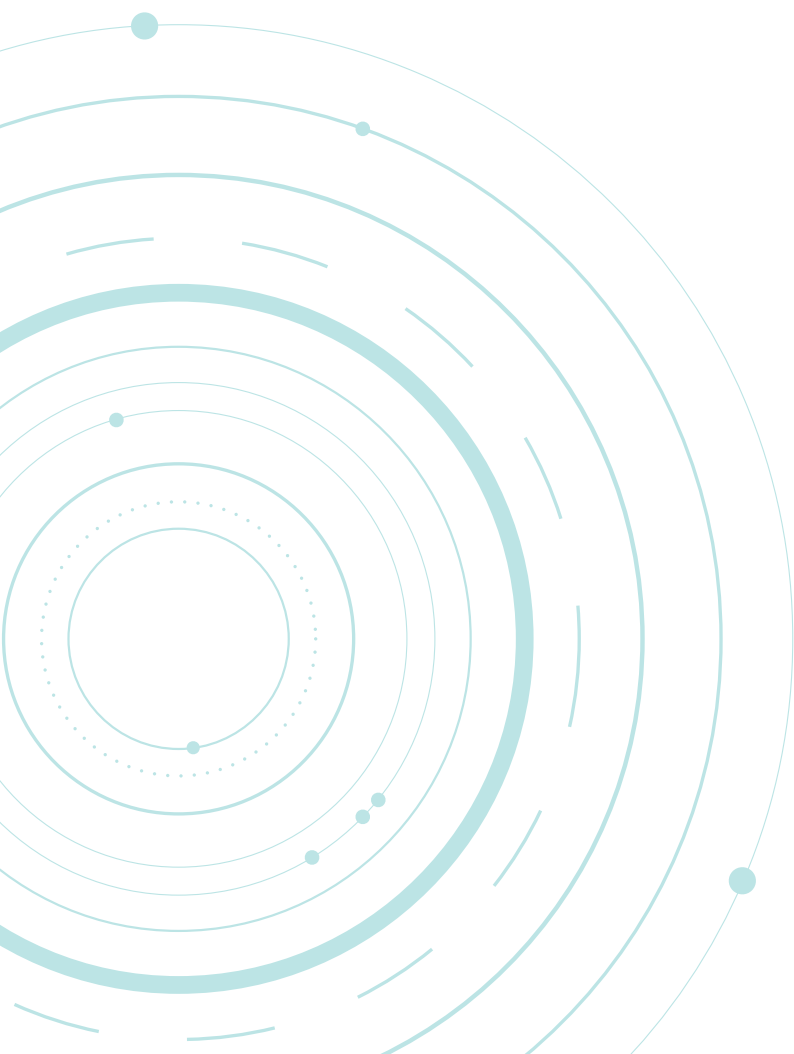
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DUBAI SAVES
323MW
DURING
EARTH HOUR
2018

Huge turnout at DEWA's
Innovation Week
activities

DEWA SHARES
ITS EXPERIENCES OF
ANTICIPATING AND
SHAPING THE FUTURE
OF ENERGY AT WORLD
GOVERNMENT SUMMIT
2018







“

We are all the ‘children of Zayed,’ and his children don’t hold his name and love to the nation alone, but they hold the values of his morals and indulgence and his love to all the people.

”

HH Sheikh Mohammed bin Rashid Al Maktoum

Vice President and Prime Minister of the UAE and Ruler of Dubai

Our Vision

A sustainable innovative world-class utility.

Our Mission

We are committed to the happiness of our stakeholders and promoting Dubai's vision through the delivery of sustainable electricity and water services at a world-class level of reliability, efficiency and safety in an environment that nurtures innovation with a competent workforce and effective partnerships; supporting resources sustainability.

Our Values

Stakeholders' Happiness, Sustainability, Innovation, Excellence, and Good Governance.

Our Motto

For generations to come.



MD & CEO MESSAGE

SAEED MOHAMMED AL TAYER

MD & CEO OF DEWA

Dubai Electricity and Water Authority

Sustainability is a journey begun by Zayed

“The UAE is developing a new model for sustainability and innovation and is keen to find creative solutions based on international best practices and benchmarks. We will continue pursuing ambitious investments with an emphasis on projects that have a positive impact on people's lives.” These were the words of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, when he broke ground on the 700MW fourth phase of the Mohammed bin Rashid Al Maktoum Solar Park, the largest Concentrated Solar Power (CSP) project in the world. It is a milestone in the UAE's journey towards comprehensive sustainability. Its foundations were laid down by the late Sheikh Zayed bin Sultan Al Nahyan and is continued by our wise leadership, who place sustainability at the top of their priorities. The UAE Vision 2021 National Agenda focuses on improving the quality of air, preserving water resources, increasing the contribution of clean energy and implementing green growth plans.

The UAE has become a role model for comprehensive development. This is evident in its development strategies, programmes, and plans. They will ensure sustainable growth that balances urban expansion and preserving the environment and natural resources. This is done by diversifying economic sources and increasing reliance on clean and renewable energy. During the Year of Zayed, which marks 100 years since the birth of the late Sheikh Zayed bin Sultan Al Nahyan, Dubai is accomplishing one achievement after another to achieve its vision for sustainability, which is key to the transformation to a green economy. The Dubai Clean Energy Strategy 2050 aims to provide 75% of the Emirate's

total power output from clean energy by 2050, and establish a sustainable model in energy conservation that supports economic growth, without damaging the environment and natural resources, as well as making Dubai the city with the lowest carbon footprint by 2050.

DEWA supports this vision by developing leading projects, the most prominent being the Mohammed bin Rashid Al Maktoum Solar Park, which is the largest single-site solar park in the world. It will produce 5,000MW by 2030, with a total investment of AED 50 billion. When completed, it will reduce over 6.5 million tonnes of carbon emissions annually. The 200MW first project of the third phase of the solar park will be operational in the second quarter of this year, to add to the first two phases so that the solar park will generate 413MW of clean energy. In addition, we are currently building DEWA's new headquarters, named Al-Shera'a (Arabic for 'sail'). The new building will be the tallest, largest, and smartest Zero Energy Building in the world. It will be a sustainability landmark, not just for Dubai or the UAE, but also for the world.

Through our strategies and initiatives, we promote sustainable development. We will continue to implement pioneering projects in renewable energy to consolidate sustainability in its three dimensions of economy, society, and the environment. We are inspired by the vision of the late Sheikh Zayed, the leader of sustainability who paid great attention to the environment, and further guided by the directives of our wise leadership, who not only anticipate the future, but also shape it.

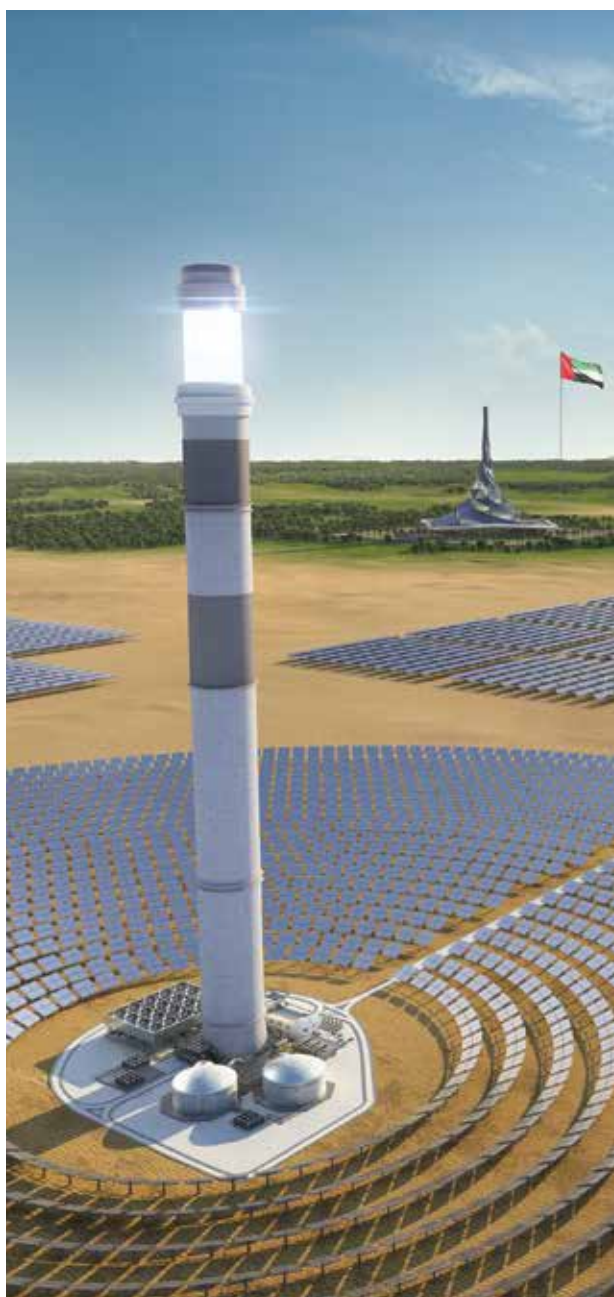
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CSP project has record bid of USD 7.3 cents per kilowatt hour

HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, broke the ground of the 700MW fourth phase of the Mohammed bin Rashid Al Maktoum Solar Park, the biggest Concentrated Solar Power (CSP) project in the world. The start of the new project advances the UAE's global leadership in the use of clean and renewable energy.

His Highness said that developing the UAE's infrastructure is top priority for the leadership and vital to raising the country's global competitiveness. The UAE is developing a new model for sustainability and innovation and is keen to find creative solutions based on international best practices and benchmarks. The country is a pioneer in transforming its energy sector to one based on solar power and clean energy, His Highness added.

"We will continue pursuing ambitious investments with an emphasis on projects that have a positive impact on people's lives. Clean and renewable energy is key to sustainable development and the UAE has set an example for its rapid adoption," HH Sheikh Mohammed bin Rashid Al Maktoum said.

"We have developed a sustainable infrastructure that will serve new generations. This infrastructure has been built by young Emiratis who will lead our country through the next phase of growth. We are proud of our nation's advancements in clean energy and green economy. The country is reaping the fruits today of the strong planning that we initiated years ago," His Highness further said.

HH Sheikh Mohammed bin Rashid Al Maktoum was accompanied at the ground-breaking ceremony by HH Sheikh Maktoum bin Mohammed bin Rashid Al Maktoum, Deputy Ruler of Dubai, and HH Sheikh Ahmed bin Saeed Al Maktoum, President of Dubai Civil Aviation Authority and Chairman of Dubai Supreme Council of Energy, ministers,

director generals, and senior officials of Dubai Government departments.

This CSP project, based on the Independent Power Producer (IPP) model, will generate 700MW of clean energy at a single site. The project, which features the world's tallest solar tower measuring 260 metres and the world's largest thermal energy storage capacity, will provide clean energy to over 270,000 residences in Dubai, reducing 1.4 million tonnes of carbon emissions a year. The CSP project will use two technologies for the production of clean energy: the 600MW parabolic basin complex and the 100MW solar tower, covering 43 square kilometres. This project, which features an investment of AED14.2 billion, has achieved the world's lowest Levelised Cost of Electricity (LCOE) of USD 7.3 cents per kilowatt hour (kW/h). This is a new global achievement for the UAE.

"I would like to extend my thanks and gratitude to His Highness Sheikh Mohammed bin Rashid Al Maktoum for honouring us with his presence today on the occasion of this important milestone in our progress towards sustainability. This pioneering Emirati landmark has become a global model based on a vision. It anticipates the future of a nation that sees sustainability as a life-long approach, and a basis for its progress and pioneering achievements for generations to come. His Highness Sheikh Khalifa bin Zayed Al Nahyan, President of the UAE has affirmed his commitment to continuing efforts to conserve the environment and enhance the sustainability of our natural resources. This continues the legacy of our nation's founding father, the late Sheikh Zayed bin Sultan Al Nahyan, who once observed, "Our environment and the resources within it are not ours. They are simply on loan to us, and in our charge. It is the responsibility of us all to care for them, and pass them on unharmed to future generations," said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.



"Today's achievement supports the directives of His Highness Sheikh Mohammed bin Rashid Al Maktoum to expedite the pace of clean and renewable energy projects, in order to secure a happy future and enhance the quality of life for our future generations in an economy that doesn't rely on oil, realising the dream of His Highness Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces, which has already become a reality. This will also achieve the Dubai Clean Energy Strategy 2050, which His Highness launched, to provide 75% of Dubai's total power output from clean sources by 2050, and the UAE Centennial 2071, to raise the UAE's status as the best country in the world," Al Tayer added.

"We are guided by the vision of HH Sheikh Mohammed bin Rashid Al Maktoum to achieve the Dubai Clean Energy Strategy 2050 to transform Dubai into a global hub for clean energy and green economy; establishing the Emirate as the city with the lowest carbon footprint in the world. Achieving these ambitious targets will require more than 42,000 MW of clean and renewable energy by 2050. This project is one of the most important projects that will contribute to these needs. It has a planned capacity of

5,000MW by 2030, with a total of AED 50 billion in investments, to accelerate the transformation towards solar power," Al Tayer further said.

"The Mohammed bin Rashid Al Maktoum Solar Park will provide Expo 2020 Dubai with a dedicated capacity of 464MW of clean energy. On this occasion, I would like to thank our partners in the consortium comprising Saudi Arabia's ACWA Power and the Silk Road Fund, in collaboration with China's Shanghai Electric as the main contractor, for their efforts and contributions in achieving our ambition to harness the sun," added Al Tayer.

"The Mohammed bin Rashid Al Maktoum Solar Park is a global landmark and an important milestone on the road to sustainability that will also promote the happiness of the UAE's citizens, residents, visitors and people from around the world," concluded Al Tayer.

"We were honoured by the presence of His Highness Sheikh Mohammed bin Rashid Al Maktoum, who has spearheaded the commencement of a landmark moment in the continuous development of CSP technology, both globally and in Dubai, by laying the foundation in what will become the largest single-site CSP project in the world, with a generation capacity of 700 megawatts, and an investment of AED 14.2 billion. At ACWA Power we are proud of our role in obtaining the lowest price globally for the second phase of the solar park, Shuaa Energy 1 in Dubai. Today we are driving price reduction for Concentrated Solar Power projects globally, achieving more

than just one unprecedented world record, by constructing the world's tallest 260-meter solar tower and providing the highest storage capacity of 15 hours throughout the day," said HE Mohammad Abu Nayyan, Chairman of ACWA Power.

"On behalf of Shanghai Electric, I would like to express warm congratulations on the groundbreaking of this project and gratitude to those who have been dedicating to making contributions in pushing forward the project. This project is by far the largest and most advanced concentrated solar power project co-developed by Dubai Electricity and Water Authority and ACWA Power, implemented by Shanghai Electric as EPC contractor," said Cao Min, President of Shanghai Electric.

"It's universally acknowledged that Dubai is a dynamic and charming metropolis and Shanghai Electric is privileged and proud to witness its boom and prosperity. We've sensed the trust from the client and turn it into momentum to cater to whatever the client requires us with strong sense of responsibility," added Min.

The Mohammed bin Rashid Al Maktoum Solar Park is the largest single-site solar park in the world, based on the IPP model. It will generate 1,000MW by 2020 and 5,000MW by 2030. The 13MW photovoltaic first phase became operational in 2013. The 200MW photovoltaic second phase of the solar park was launched in March 2017. The 800MW photovoltaic third phase will be operational by 2020, and the first stage of the 700MW CSP fourth phase will be commissioned in Q4 of 2020.

Suqia adopts 6 local and international projects to support objectives of Year of Zayed

The UAE Water Aid Foundation (Suqia), under the umbrella of the Mohammed bin Rashid Al Maktoum Global Initiatives (MBRGI), announced its Corporate Social Responsibility (CSR) programme for the Year of Zayed. The programme includes 6 humanitarian and social projects and initiatives, in collaboration with DEWA and the Mohammed bin Rashid Al Maktoum Humanitarian and Charity Establishment. The projects reflect the noble values and principles of philanthropy and wisdom, instilled by the late Sheikh Zayed bin Sultan Al Nahyan in the hearts of Emirati people. It is also a continuation of Suqia's sustainable development initiatives in the Year of Giving. This is in response to the announcement by His Highness Sheikh Khalifa bin Zayed Al Nahyan, President of the UAE who declared 2018 as the 'Year of Zayed' to celebrate the centennial of the birth of the late Sheikh Zayed bin Sultan Al Nahyan.

"We are keen to ensure that our initiatives for the Year of Giving reflect the wisdom of the late Sheikh Zayed, as well as his personality and passion, his interest in development and sustainability, the preservation of the environment and natural resources, and building the capabilities of human beings. This contributes to achieving our vision of providing clean and sustainable water with innovative solutions. We are committed to achieving one of the key objectives set by MBRGI, which is to combat poverty and disease, as well as the UN Sustainable Development Goals, to eradicate poverty and hunger and provide water to all. Our local and international projects will focus on the involvement of youth and women empowerment, while highlighting their role in development and progress. The projects will be implemented in partnership with DEWA and the Mohammed bin Rashid Al Maktoum Humanitarian and Charity Establishment, and with the participation of community members,"

said HE Saeed Mohammed Al Tayar, MD & CEO of DEWA and Chairman of the Board of Trustees of Suqia.

100 Water Projects

During the Year of Zayed, Suqia will implement 100 projects to provide safe drinking water to needy communities around the world, in collaboration with the Mohammed bin Rashid Al Maktoum Humanitarian and Charity Establishment and the Emirates Red Crescent Authority. The projects include providing water wagons to help women carry water from faraway water sources. These water wagons will enable them to get five times more water, while saving time for other important life events.

100 Volunteers Initiative

Through the 100 Volunteers initiative, and in collaboration with DEWA, Suqia aims to attract 100 volunteers from DEWA, to work on various CSR initiatives during the year. These include an awareness and rationalisation programme on water for elementary and middle school students in Dubai, Ramadan campaigns to distribute water to mosques and Ramadan tents, as well as voluntary field trips outside the UAE, organised in cooperation with the Mohammed bin Rashid Al Maktoum Humanitarian and Charity Establishment. This aims to encourage a culture of volunteerism and humanitarian work among DEWA employees and youth.

International Initiative

This initiative includes international voluntary field visits, carried out by Suqia, in cooperation with DEWA and the Mohammed bin Rashid Al Maktoum Humanitarian and Charity Establishment to implement sustainable projects that serve the needs of needy families and involve target communities in finding appropriate solutions to water problems. It also aims to raise awareness about the correct use of water, and informing them about the late Sheikh Zayed's life and achievements.

100 Water Endowments

Through this initiative, Suqia will provide 100 water coolers in various parts of Dubai.

Suqia Zayed

Through this campaign, Suqia aims to provide drinking water in partnership with Mai Dubai, and in cooperation with various local associations. It also aims to provide water to people during the Holy Month of Ramadan in different countries around the world, in cooperation with the Mohammed bin Rashid Al Maktoum Humanitarian and Charity Establishment.

100 Letters to Zayed

This is an innovative initiative aimed at collecting messages of love addressed to the late Sheikh Zayed, from volunteers and staff members from DEWA. It allows community members, school students, and beneficiaries of Suqia's projects, to express their love and gratitude to the late Sheikh Zayed throughout the year. At the end of 2018, these messages will be compiled in a special book titled 'Letters to Zayed'.

"Suqia's mission is to support happiness for poor and disaster-stricken communities by fostering and investing in innovative and sustainable solar powered potable water solutions through effective partnerships in a sustainable and efficient platform aligned with best international practices. Suqia seeks to extend humanitarian aid throughout the world and to fulfil the call of humanitarian duty to implement developmental projects to benefit poor communities. This year, we have dedicated a series of humanitarian initiatives to reflect the values and principles of the late Sheikh Zayed, and educate the international community on these values," said Mohammed Abdulkareem Al Shamsi, Acting Executive Director of Suqia.





Earth Hour: More than just 60 minutes to underline importance of climate action

- **Dubai saves 323MW during Earth Hour 2018**
- **UAE's landmarks switched off lights for one hour**

Many believe that switching off lights or electrical appliances at home or office for one hour will have little impact on reducing electricity use or carbon emissions at a city-wide level. But when millions are involved at the same time, the difference becomes clear. This is what happens during Earth Hour, the world's largest movement to preserve the environment against climate change. It is celebrated on the last Saturday of March every year, a day close to the spring equinox, when night and day are nearly the same length, to ensure participation of most cities around the world. But the objective of Earth Hour is beyond savings in consumption or carbon reduction. The ultimate goal is to rationalise consumption and preserve the environment as a way of life to contribute to reducing climate change and preserving the planet we live on.

Background

Earth Hour was first organised in Sydney, Australia, in 2007. It was launched by the World Wildlife Fund (WWF). About 2.2 million people and more than 2,000 organisations took part in switching off lights and unnecessary electrical appliances for one hour to take a united stand to preserve the planet. It quickly expanded into a global solidarity movement with 178 countries, and around 10,000 cities around the world, with 1.8 billion people who believe in the importance of protecting the planet from harmful emissions and Greenhouse Gases (GHG).

Dubai first Arab city to organise Earth Hour

In 2008, Dubai was the first Arab city to organise Earth Hour to promote

environmental awareness in society, support global efforts to reduce carbon emissions, find sustainable solutions to global warming and climate change, conserve natural resources, and ensure its sustainability for future generations.

Earth Hour 2018

DEWA organised Earth Hour 2018 on Saturday 24 March, under the patronage of HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of the Executive Council. It was organised under the theme 'Connect to Earth' and under the umbrella of the Dubai Supreme Council of Energy, and in partnership with the Emirates Wildlife Society (EWS), in association with the World Wide Fund for Nature (WWF), and with the support of Dubai Properties Group. As the

national strategic partner for 'Earth Hour UAE', DEWA urged the public to switch off unnecessary lights and appliances between 8:30pm and 9:30 pm UAE time. Dubai's governmental and touristic landmarks participated in the event by switching off lights during Earth Hour.

Dubai saves 323MW during Earth Hour 2018

Dubai achieved significant results in reducing its electricity use and carbon emissions during Earth Hour 2018. DEWA recorded savings of 323MW in electricity consumption in Dubai, a 32% further reduction compared to last year. This is equivalent to a reduction in CO2 emissions of 140 tonnes.

Highest standards

"Earth Hour is celebrated around the world as a global movement of solidarity for the planet. We strive, as we celebrate Earth Hour every year, to spark public awareness and action for the rational consumption of natural resources to ensure they last for generations to come, in line with the UAE Vision 2021," said HE Dr Thani bin Ahmed Al Zeyoudi, Minister of Climate Change and Environment.

Al Zeyoudi reiterated that the UAE is strongly committed to the highest of standards to stop the depletion of these resources. He added, "The wise use of natural resources is key to their sustainability. The UAE sees a significant drop in power consumption during the annual celebration of Earth Hour."

The Minister of Climate Change and Environment added that in addition to significantly reducing power use for one hour, celebrating Earth Hour is a symbolic act uniting people from around the globe to raise awareness of responsible consumption of resources to ensure their sustainability.

Special importance in Year of Zayed

"Our celebration of this global environmental event is particularly important in the Year of Zayed, which celebrates the centennial of the birth of the late Sheikh Zayed bin Sultan Al Nahyan, who was a pioneer in the process of sustainability, which is now continued by our wise leadership, to achieve a balance between development and the environment. Organising Earth Hour supports the Dubai Clean Energy Strategy 2050, to transform Dubai into a global hub for clean energy and green economy, making it the city with the lowest carbon footprint in the world by 2050. By organising this event, DEWA aims to raise environmental awareness and promote a culture of rational consumption. It also aims to emphasise the importance



of climate action, and support the UAE's efforts to achieve sustainable development, and contribute to achieving the Dubai Plan 2021, to make Dubai a smart and sustainable city," said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.

Earth Hour activities and walk

As the National Strategic Partner of Earth Hour UAE, DEWA organised activities to celebrate Earth Hour. Many government and private organisations, universities, and schools took part in the activities from 4 to 10pm at Marasi Promenade Business Bay. A large number of families enjoyed the activities to spread awareness about the environment and promote a culture of rational consumption of electricity.

The Earth Hour Walk, the most prominent activity in the event, started at 8:30pm. HE Dr Thani bin Ahmed Al Zeyoudi, Minister of Climate Change and Environment, HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, HE Ahmed Abdul Karim Julfar, Director General of Dubai Community Development Authority (CDA), HE Ahmed Buti Al Muhairbi, Secretary General of the Dubai Supreme Council of Energy, HE Saif Al Falasi, CEO of Emirates National Oil Company (ENOC), HE Khalifa Al Darrai, Executive Director of the Dubai Corporation for Ambulance Services, Dr Essa Bastaki, President of the University of Dubai, Habiba Al Marashi, Chairperson of the Emirates Environmental Group, and a large number of officials took part in the walk. Al Tayer commended their participation in the Earth Hour Walk along thousands

of people of all ages and nationalities who carried candles and eco-friendly lanterns to express their solidarity with global efforts to protect Planet Earth.

The event included many family and fun activities to raise environmental awareness. This included the participation of DEWA's conservation mascots Noor and Hayat. It also featured a heritage village, and a bazaar to support young Emiratis' projects. Many government organisations took part in the event where they highlighted their efforts to promote environmental sustainability.

Honouring participating organisations

At the end of the Earth Hour event, Al Tayer honoured the public and private organisations that took part. He emphasised the importance of joint efforts by individuals, and government, private and non-profit organisations in supporting national efforts to reduce carbon emissions, find sustainable solutions to global warming and climate change, protect natural resources, and ensure their sustainability for generations to come.

Carbon-free Earth Hour in Dubai

DEWA will offset the carbon emissions from Earth Hour 2018 in Dubai for the third year running, with Certified Emission Reductions (CERs) credits from its projects, based on the Kyoto Protocol to the United Nations Framework Convention on Climate Change (UNFCCC). This supports its strategy to protect the environment by reducing carbon emissions, and its vision to become a sustainable innovative world-class utility.



Wide attention to DEWA's clean and renewable energy initiatives at WFES 2018

DEWA was the Efficiency Sponsor of the World Future Energy Summit (WFES) in Abu Dhabi. DEWA's clean and renewable energy projects and initiatives received large local and international media attention, and wide attention from experts, specialists and visitors to the accompanying exhibition.

HH Sheikh Mohammed bin Rashid Al Maktoum visits DEWA's stand

HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, visited DEWA's stand at WFES 2018. His Highness was accompanied by HH Sheikh Mansour bin Zayed Al Nahyan, Deputy Prime Minister and Minister of Presidential Affairs, HH Hazza bin Zayed Al Nahyan, Vice Chairman of the Abu Dhabi Executive Council, HH Sheikh Ahmed bin Saeed Al Maktoum, Chairman of Dubai Supreme Council of Energy and President of the Dubai Civil Aviation Authority, HE Suhail bin Mohammed Faraj Faris Al Mazrouei, Minister of Energy, HE Dr Sultan Ahmed Al Jaber, Minister of State and CEO of Abu Dhabi Future Energy Company (Masdar), and a number senior officials.

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, briefed HH Sheikh Mohammed bin Rashid Al Maktoum on DEWA's clean and renewable energy initiatives and the

latest developments of the Mohammed bin Rashid Al Maktoum Solar Park. The solar park, which DEWA is implementing, is the largest single-site solar project in the world based on the Independent Power Producer (IPP) model with a total planned capacity of 5,000 megawatts (MW) by 2030 and a total investment of AED 50 billion. Upon its completion, the solar park will save approximately 6.5 million tonnes of carbon emissions annually.

HH Sheikh Mohammed bin Rashid Al Maktoum also viewed a scale model of

DEWA's new building in Al Jadaf, named Al-Shera'a (Arabic for 'sail'), which will be the tallest, largest, and smartest zero energy government building in the world once the solar panels are installed. His Highness also viewed a model of the 250MW pumped-storage hydroelectric power station in Hatta, which will make use of the water stored in the Hatta Dam. This is the first project of its kind in the GCC.

HH Sheikh Theyab bin Mohamed bin Zayed Al Nahyan visits DEWA's stand

HH Sheikh Theyab bin Mohamed bin Zayed Al Nahyan, Chairman of Abu Dhabi Department of Transport, accompanied by HE Suhail bin Mohammed Faraj Faris Al Mazrouei, Minister of Energy, visited DEWA's stand. Al Tayer briefed His Highness on the Mohammed bin Rashid Al Maktoum Solar Park's projects, including Al-Shera'a under construction in Al Jadaf in Dubai, and the pumped-storage hydroelectric power station in Hatta.



Recognition

Al Tayer commended Masdar's efforts in organising the Abu Dhabi Sustainability Week and WFES, which has become an important platform for exchanging expertise and highlighting the role of the UAE in the transition towards the energy of the future.

Lowest Customer Minutes Lost per year worldwide

Al Tayer revealed that DEWA has achieved the lowest Customer Minutes Lost per year worldwide at 2.68 minutes. This was announced while he participated in a ministerial panel discussion called 'Driving the Global Energy Transformation.' Other participants in the panel discussion included HE Suhail Mohamed Faraj Al Mazrouei, HE Dr Abdul Hussain Ali Mirza, Minister of Electricity & Water Affairs of Bahrain, Adnan Amin, Director General of the International Renewable Energy Agency (IRENA), and Nick Bridge, UK Government Special Representative for Climate Change. The panel was moderated by Bernardino León, President of the Emirates Diplomatic Academy.

Signing agreements and receiving delegations

DEWA signed a Memorandum of Agreement (MoA) with the GCC Interconnection Authority (GCCIA) and the Belgian Dredging, Environmental & Marine Engineering Group (DEME) to study building a 400MW pumped hydro storage power station in the Arabian Gulf, with a storage capacity of approximately 2,500MWh. This is part of DEWA's efforts to diversify the energy mix and enhance energy storage technologies. The MoA was signed by Al Tayer, Ahmed Al Ebrahim, CEO of GCCIA, and Bernard Paquot, Area Director, Dredging International NV/DEME Group. The signing ceremony was attended by Bart Tommelein, Flemish Minister of Budget, Finance and Energy in Belgium, Dominique Minor, Ambassador of the Kingdom of Belgium to the UAE, HE Dr Matar Al Neyadi, Undersecretary of the UAE Ministry of Energy and Industry, and several senior officials.

High-level German delegation's visit

Al Tayer welcomed a German delegation, headed by Rainer Baake, State Secretary at the Federal Ministry for Economic Affairs and Energy, at DEWA's stand during its participation at WFES 2018 in Abu Dhabi. The meeting was attended by HE Ahmed Buti Al Muhairbi, Secretary General of the Supreme Council of Energy in Dubai, Dr Yousef Al Akraf, Executive Vice President of Business Support and Human Resources of DEWA, Marwan Bin Haider, Executive Vice President of Innovation and the Future, and Khawla Al Mehairi, Executive Vice President of Strategy & Government Communications at DEWA.



DEWA's stand at WFES received a large number of experts, specialists, and visitors who commended its projects and admired its renewable-energy initiatives. At WFES 2018, DEWA highlighted a number of its key projects and initiatives. These include the Mohammed bin Rashid Al Maktoum Solar Park; Shams Dubai to connect solar power to buildings, Green Charger to build the infrastructure and electric vehicle charging stations, and the 250MW pumped-storage hydroelectric power station in Hatta. DEWA's stand also included a model of its new headquarters named Al-Sheraa, its smart services and initiatives that use Artificial Intelligence (AI) and Robotics, and Rammas, DEWA's virtual employee.

DEWA also highlighted the Solar Decathlon Middle East (SDME), which was created through an agreement between the Dubai Supreme Council of Energy and DEWA, and the United States Department of Energy.

Dubai will host the first two rounds of the Solar Decathlon, which is held for the first time in the Middle East and Africa. The first will be held in November 2018 at the solar park, and the second in 2020 to coincide with Expo Dubai. The total prizes are AED 20 million.

DEWA's stand included key projects of the UAE Water Aid Foundation (Suqia), under the umbrella of the Mohammed bin Rashid Al Maktoum Global Initiatives. In cooperation with DEWA, Suqia's R&D projects include reverse osmosis of seawater and a photovoltaic desalination plant, in addition to water purification using solar technology. DEWA's stand also included the Supreme Council of Energy and some of DEWA's companies such as Dubai Carbon Centre of Excellence (Dubai Carbon), Empower, Innogy International Middle East, Mai Dubai, and Etihad Energy Services Company (Etihad ESCO).



DEWA empowers and integrates people of determination through innovative initiatives and programmes

DEWA has taken huge strides in supporting and empowering people of determination by launching several initiatives, programmes, and services, according to well-defined plans and strategies aligned with the best global practices and standards. This helps integrate people of determination and achieve their happiness by creating a conducive environment that allows them to unleash their capabilities and potential. This also enhances their inclusion in society, and helps find new ways to involve them in their social environment as capable and creative individuals. These efforts have contributed to raising social happiness about DEWA's role as an organisation that supports people of determination from 82% in 2013 to 92% in 2017.

Excellent services for people of determination

DEWA has launched many programmes and initiatives that contribute to integrating people of determination in society and in the workplace, and provides world-class

facilities and services that conform to the Dubai Universal Design Code. This ensures a seamless and integrating environment for people of determination. DEWA has redesigned its Customer Happiness Centres to be easily accessible for them. DEWA's services to people of determination include providing free valet parking across all its centres, wheelchair service, dedicated parking spaces, directional tactile paving for the visually-impaired, staff who can use sign language, dedicated comprehensive service desks, customer guides and conservation-tip booklets in Braille, as well as other facilities.

Empowering and including people of determination

HE Saeed Mohammed Al Tayar, MD & CEO of DEWA, explained that DEWA is committed to its corporate social responsibility to achieve the UAE Vision 2021 National Agenda, to preserve a cohesive society that is proud of its identity and sense of belonging, and the Dubai Plan 2021 for Dubai to be a city of happy, creative, and

empowered people who live in an inclusive and cohesive society.

"DEWA is committed to meeting the requirements of everyone in society, especially people of determination, in line with the National Policy to Empower People of Determination, launched by His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to create an inclusive society that ensures empowerment and a decent life for people of determination and their families, and the 'My Community... a City for Everyone' initiative, launched by His Highness Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of the Executive Council of Dubai, to transform Dubai into a city that is friendly for people of determination by 2020. DEWA adopts a strategy for the happiness and inclusion of people of determination. DEWA promotes employment of people of determination and its work environment is friendly for them and supports their needs. DEWA also provides excellent services for customers who are people of determination," said Al Tayar.

Inclusive employment for people of determination

Dr Yousef Al Akraf, Executive Vice President of Business Support and Human Resources, and Chairman of DEWA's Advisory Council for People of Determination at DEWA, said that DEWA's top management attaches great importance to people of determination and include the policies related to them in all DEWA's operations and procedures according to best international practices and standards; mainstreaming disability into tangible programmes and initiatives that ensures their integration in the work environment. This also ensures that they get equal opportunities with others, supports their financial independence, and contribution to the sustainable development.

Innovative and smart services

DEWA has launched several innovative and smart initiatives to support and empower people of determination, and facilitate their access to information according to Dubai Smart Government's criteria.

Sign language

DEWA has launched Ash'ir service, which enables people with hearing impairment to communicate directly with call centre staff via video chat using sign language. DEWA is the first government organisation in the UAE to launch this pioneering service.



Innovation in voluntary work

In February 2017, HH Sheikh Mansoor bin Mohammed bin Rashid Al Maktoum, Chairman of the Higher Committee for the Protection of the Rights of People of Determination, opened DEWA's Innovation Centre at the Dubai Rehabilitation Centre for People of Determination in Al Qusais. The centre provides over 150 students with disabilities with training on modern technologies. The centre's idea received the UAE Ideas Award for promoting voluntary and humanitarian work at the 6th UAE Ideas Conference & Award, which was organised by Dubai Quality Group.

'Zayed's approach in supporting people of determination' Youth Circle

DEWA organised a Youth Circle under the title 'Zayed's approach in supporting people of determination.' The Youth Circle established a direct connection between DEWA and the youth, as well as people of determination, and recognised the role of the late Sheikh Zayed in establishing the UAE's humanitarian journey and supporting people of determination. The Youth Circle was held at the Youth Centre in Emirates Towers in Dubai. It focused on three main topics: The late Sheikh Zayed's support to people of determination, the 'My City...

A Community for Everyone' initiative, and DEWA's strategy to integrate and empower people of determination.

Supporting 30 families of people with determination, in cooperation with the UAE Deaf Association

DEWA, in cooperation with the UAE Deaf Association, provided electronic equipment and support to 30 families of people with determination to help them in their daily lives. DEWA provided each family with a set of smart devices, based on the latest technologies in accordance with the best international practices in supporting people with hearing disabilities. This is in line with the Smart Dubai initiative, to make Dubai the smartest and the happiest city in the world. The smart devices included alarm and vibration devices to help them communicate with others and wake up easily, and other notification tools to support doorbells, telephones, fire alarms, security equipment, childcare, and others.

Taking care of employees who are people of determination

DEWA launched the Absher initiative to take care of its staff who are people of determination. This includes a dedicated

team of specialists and qualified staff in human resources, in addition to a hotline and an email address to streamline their procedures. This initiative was recognised at the First International Conference in Inclusive Employment and Occupational Learning, which was organised by the Dubai Community Development Authority.

'Omniyati' to achieve the wishes of staff of determination

DEWA has launched 'Omniyati initiative,' to grant the wishes of DEWA's people of determination, supported by DEWA's Advisory Council for People of Determination. DEWA has sponsored and published a short story written by Haifa Hadad, a DEWA employee titled 'I love School.' DEWA attaches great importance to developing the skills and capabilities of its staff and encouraging them to develop their creativity in different areas.

Gathering for Happiness and Integration of People of Determination

DEWA organised its Gathering for Happiness and Integration of People of Determination at its headquarters, coinciding with the Arab Day for People with Disability. 16 federal and local government organisations, as well as centres for people of determination from across the UAE, took part in the event. People of Determination shared their skills in a number of national and traditional activities, as well as exhibiting and selling their handicrafts, paintings, and other handmade products.

Sponsoring AccessAbilities Expo

Each year, DEWA sponsors many initiatives that support integrating and including people of determination. DEWA sponsors the annual AccessAbilities Expo, which provides a platform for government organisations to learn about the latest technologies, solutions and smart services, provided by international organisations.

Awards and recognitions

DEWA received many local and international awards in CSR, including the Princess Haya Award for Special Education (PHASE). PHASE was established by HRH Princess Haya bint Al Hussein, wife of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to create a competitive environment that provides best practices in educating and rehabilitating special needs individuals according to the highest international standards and distinguished quality programmes that ensure successful results. DEWA also received the MVO8000 in CSR, becoming the first government organisation in Dubai to receive this global recognition.





HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum unveils 5-star plaque for customer service at DEWA Head Office

HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of the Executive Council of Dubai, has unveiled the 5-star plaque for customer happiness at DEWA's Head Office. HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, HE Abdulla Mohammed Al Basti, Secretary General of Dubai Executive Council, EVPs, VPs and employees also attended the ceremony.

The event was held during His Highness's visit to DEWA main office, where he was briefed by Al Tayer on the advanced services available at DEWA main Customer Happiness Centre, which has successfully implemented a number of excellent customer service initiatives to ensure their happiness.

The 5-star rating at DEWA Head Office reflects the considerable commitment of DEWA to apply best practices and

international criteria for customer services. The centre provides all DEWA's electricity, water, billing and consumption enquiry services. The centre has 25 kiosks that provide seamless and easy-to-use services, and handled 100,000 transactions in 2017. Also, the centre provides value-added services such as valet parking, Green Charger electric vehicle charging stations, and a business centre.

DEWA has developed a bespoke customer happiness meter, which recorded a customer happiness score of 97%. DEWA is working to ensure a positive environment for its employees as well, with their happiness at Head Office reaching 93.7%.

"I would like to thank His Highness Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of the Executive

Council of Dubai, for visiting our Head Office. This reflects the focus of our wise leadership on instilling the concept of exceptional leadership that incentivises teams to unlock their potential to exceed expectations and achieve excellence in the quality of the design and delivery of outstanding services. This represents the UAE's goal to build the government of the future. It shows the vision of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to achieve the goals of the star-rating system launched by His Highness to provide excellent and innovative services. This will enable customers to have a comprehensive range of integrated services that are smart and save time. This is part of DEWA's efforts to achieve the goals of Dubai's 10x initiative launched by His Highness to advance Dubai's leadership into the future, and to create a 10-year lead over other



cities around the world by government innovation,” said Al Tayer.

“At DEWA, we are working to achieve the Dubai Plan 2021 goals to create a pioneering and excellent government that is proactive and creative in meeting the needs of individuals and society as a whole. We aim to be top in quality and excellence in all our operations. DEWA adopts innovative and efficient mechanisms in customer service to ensure the happiness of its stakeholders and improve the quality of its services, to achieve its vision to become a sustainable innovative world-class utility,” said Al Tayer.

“DEWA places considerable importance on customer comments. These are essential inputs in our development and continuous improvement process to raise stakeholder happiness about government services. All our initiatives are based on keeping in regular contact with our stakeholders. We listen to their suggestions, comments and ideas, which will be translated into services and initiatives that meets their requirements and exceeds their expectations,” said Al Tayer.

DEWA is aligned to the UAE Artificial Intelligence Strategy, which represents a new phase in Smart Government and reflects its efforts to keep pace with the Fourth Industrial Revolution, which encompasses artificial intelligence, robotics, the Internet of Things, and other technologies that redefine the way people are dealing with

governments and their institutions. DEWA has robots at its Head Office, which provide the Rammas service to answer customer enquiries in English and Arabic, and a self-driving live videoconferencing system, which is the first of its kind.

DEWA is working to achieve its social responsibility objectives for People of Determination to fully integrate them within society and find new jobs for them, to overcome any challenges they may experience in a positive manner. This will empower them to be creative, which is why DEWA has designed its Head Office to be fully-accessible to People of Determination. The Government assessment scored 98% for the Head Office for compatibility with international standards.

The Smart Centre at DEWA Head Office provides several smart services for customers, and streamlines the transaction process, with minimal or no support needed from staff. Most services

can be easily used on smart tablets and DEWA's smart applications. The Smart Centre features a Future Centre, so that customers can design and develop new services, for their happiness. The Centre also includes the Tayseer service for bill payment, to facilitate payments by cheques, using Emirates NBD's cheque deposit machines.

The Smart Centre also provides the Dubai Smart Government 'Dubai ID' service for customers to log in to multiple smart services through a single account. It is also equipped with Etisalat Public Payment Machines, for easy payment of common bills.

The UAE is the first in the world to adopt the star rating system for government services. This is with the goal of achieving a considerable advance in government service efficiency to elevate them to the highest international standards within an integrated framework of criteria for operations that surpass those of hotels, banks, and airlines.





HUGE TURNOUT AT DEWA'S INNOVATION WEEK ACTIVITIES

The activities organised by DEWA during its Innovation Week, part of the UAE Innovation Month, at its Head Office and City Walk, saw a huge turnout from the public of all ages who reviewed DEWA's latest innovations and applications. Visitors participated in workshops and reviewed the latest technologies in smart cities, robotics, Artificial Intelligence (AI), and 3D Printing, among others. DEWA organised 71 events to enhance innovation, celebrate innovators and underline its position as a leading government organisation in this area.

HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of the Executive Council of Dubai, visited DEWA's activities at City Walk. He was received by HE Saeed Mohammed Al Tayer, MD & CEO of DEWA. HE Abdulla Mohammed Al Basti, Secretary General of the Executive Council of Dubai; HE Khalfan Belhoul, CEO of the Dubai Future Foundation (DFF); Najeeb Al Ali, Executive Director of the Dubai Expo 2020 Bureau, and a number of officials from the government and private sectors also reviewed DEWA's activities during the UAE Innovation Month.

7th Annual Innovation and the Future Conference

DEWA organised its 7th Annual Innovation and the Future Conference during the UAE Innovation Month. The conference was attended by HE Omar Sultan Al Olama, Minister of State for Artificial Intelligence. Patrick Schwerdtfeger, Futurist; Daan Roosegarde, Artist & Innovator; and Emirati Alia Al Mansoori, UAE Genes in Space Winner gave presentations at the conference.



Zayed's Innovation Oasis

As part of its activities during the Year of Zayed, DEWA organised numerous activities at Zayed Innovation Oasis in its head office. These included workshops and lectures by DEWA's staff and partners on robotics, AI, smart homes, blockchain, virtual reality, and innovative workshops for kids. The Oasis also featured projects by start-ups, Year of Zayed exhibition to commemorate the late Sheikh Zayed bin Sultan Al Nahyan, the Future Interactive Exhibition, and models of smart homes.

Innovation Exhibition at Jebel Ali Power and Desalination Station Complex

DEWA organised an innovation exhibition at the solar garden in the Jebel Ali power and desalination station complex. The innovative solar garden is irrigated using the Potable Solar Desalination unit, which is one of DEWA's innovations



to desalinate water using photovoltaic solar panels. Al Tayer, accompanied by Nasser Lootah, Executive Vice President of Generation at DEWA, and Marwan Bin Haidar, Executive Vice President of Innovation and the Future, reviewed the latest power-generation and water-desalination innovations by the Generation Division.

Al Tayer toured the accompanying exhibition and visited all the stalls, which were made from recycled materials, by DEWA employees. He reviewed DEWA's innovations including the One-Way Data System, which received an international patent. He also listened to details about the Gas Turbine Smart Controller system, which is based on Artificial Intelligence (AI) and Self Learning. A gas turbine simulation programme was designed specifically to conduct the necessary tests that lasted for one year, and was then successfully implemented at the M station. It will be implemented across all the stations. This system will improve the efficiency and reliability of turbines and reduce Nitrogen Oxides emissions.

Al Tayer watched a video on innovative use of robots in generators' maintenance, which was implemented across all the Generation Division's unit. It has contributed to reducing maintenance process by up to 50%. Other innovations included the use of Big Data in developing the Division's workflow mechanism. This contributed to the establishment of the Smart Power Plant for effective monitoring of the stations. Al Tayer was also briefed about the latest technologies in security, fire, and safety.

During the tour, Al Tayer reviewed the Smart Supervision System, which was designed and

developed entirely by the Generation Division. It is a smart system based on AI and digital transformation technologies which enhances human capabilities in the speed and accuracy of paperless transactions, work permits, and no-objection certificates related to the Generation Division, instantly.

Al Tayer also reviewed the latest innovations by strategic partners: Siemens, General Electric (GE), and ABB. He listened to a detailed explanation from officials in various sections of the exhibition about their innovations and how to harness them to serve power production, to support DEWA's strategic approach.

Innovation Tent

DEWA's activities at the Innovation Tent in its head office include an AI hackathon for staff, and specialised workshops on robotics, Unmanned Aerial Vehicles (UAVs), 3D Printing, smart grid applications, and lectures on 'Future Jobs', 'The Power of Sand', and 'Sketch Thinking- Sketch your Ideas'. The tent also displayed innovations by DEWA's divisions and by people of determination.

DEWA's Innovation Cube at City Walk

At City Walk, Dubai, DEWA displayed its latest innovations and future projects. These included AI and hologram technologies, Rammas - DEWA's virtual employee, and its Future Centre for Customer Happiness, as well as live streaming of DEWA's Innovation Week activities.

Innovation Hub on Wheels

DEWA hosted the Innovation Hub on Wheels which introduced the EcoStruxure design of smart cities, in addition to the latest

technologies that focus on mobility, oil and gas, data centers and services.

DEWA's Innovations

During UAE Innovation Month, the public reviewed DEWA's latest innovations and projects. These included: Smart Gloves, that can give warnings of high voltage current, linked to a smart app. It includes many features such as blood pressure measurement, and live video. The Smart Helmet, which is solar powered is used to monitor the implementation of projects and the safety of workers in field sites. It has a camera, a remote communications system and a cooling system. The Smart Jacket features a camera monitor, a tracking system, an emergency system, and is also solar powered. The Smart Warning Tape is used with power cables. If the tape is cut off, an alert is sent via a smart app, indicating the location of the damage. The Smart Chair has multiple uses including emergency cases, as well as measuring blood pressure and sugar levels.

Workshops & activities for students

DEWA dedicated several activities and workshops for students during UAE Innovation Month. A workshop was organised for students at Dubai Safari on robotics, and another one was organised for 30 of DEWA Academy's students, under the title, 'Innovation through Inspiration'. DEWA also organised drawing activities for children.

Innovative recreational activities

During the Innovation Month, DEWA organises innovative recreational activities, including the Little Bits Training & Challenge, Run For Your Bun café where you exercise instead of paying in cash, and other innovative activities.

DEWA shares its experiences of anticipating and shaping the future of energy and innovating a model for future utilities at World Government Summit 2018



DEWA participated as the Sustainable Energy Partner of the 6th World Government Summit, which was held under the patronage of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, from 11-13 February 2018. DEWA highlighted its achievements and smart and innovative initiatives, as part of its efforts to keep up with the Fourth Industrial Revolution and developing disruptive technologies.

HE Saeed Mohammed Al Tayar, MD & CEO of DEWA delivered a speech titled, 'Our journey towards the future,' on the third day of the Summit. Al Tayar talked about DEWA's experience in anticipating and shaping the future of energy, by innovating a model for future utilities in the production, transmission, and distribution of electricity and water.

"At DEWA, we work under the directives of our wise leadership on our ambitious initiatives and development projects. This supports the objectives of the UAE Centennial 2071, the UAE Vision 2021, and the Dubai Plan 2021 to secure a happy future and a better life for future generations, and elevate the UAE to become the best country in the world and always number one," said Al Tayar.

Al Tayar summarised DEWA's key achievements, noting that its total assets are worth AED 144 billion, with investments over AED 81 billion for the next five years, to meet growing demand for electricity and water in the Emirate. This will provide significant investment

opportunities. Today, DEWA has a strong infrastructure, which can generate 10,200MW of electricity and 470 million imperial gallons of desalinated water per day (MIGD) to meet the ever-increasing demand in Dubai.

Al Tayar presented DEWA's holistic view of the energy sector in Dubai through three main themes: The first theme is to produce more clean energy, especially solar power.

"We have a clear strategy, the Dubai Clean Energy Strategy 2050, with specific objectives to generate 75% of Dubai's total power output from clean energy by 2050. Meeting the clean energy objective requires a capacity of 42,000MW of clean and renewable energy by 2050. One of our most important projects is the Mohammed bin Rashid Al Maktoum Solar Park, with a total planned capacity of 5,000 megawatts (MW) by 2030 at a total investment of AED 50 billion. Upon completion, the solar park will help reduce over 6.5 million tonnes of carbon emissions per year. Our current photovoltaic and Concentrated Solar Power (CSP) Independent Power Producer- (IPP-) based projects' capacity will exceed 1,700 MW. We will have an additional 3,300 MW, to reach 5,000 MW by 2030, making it the largest single-site solar park in the world," said Al Tayar.

In regards to the second theme, which is the production of desalinated water from solar power, Al Tayar said, "DEWA's major projects have contributed to the

reduction of the cost of electricity generation from solar power worldwide. DEWA has achieved outstanding global prices in this field. By 2030, DEWA intends to have 100% of its desalinated water production to come from a mix of clean energy that uses both renewable energy and waste heat. This will allow Dubai to exceed global targets to use clean energy to desalinate water. DEWA's production capacity is expected to reach 305 million gallons of desalinated water per day by 2030. This means reverse osmosis will produce 41% compared to its current share of 5%. So, we will be able to produce 750 million gallons of desalinated water per day by 2030, compared to our current capacity of 470 million gallons per day. The increase in operational efficiency created by decoupling electricity generation and water desalination will lead to savings of up to AED 13 billion, and reduce 43 million tonnes of carbon emissions by 2030."

Al Tayar then discussed the third pillar on 'Disrupting the role of utilities by digitisation.'

"DEWA is guided in all its projects and initiatives by the vision of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to make Dubai a global model for clean energy and green economy and by using the disruptive technologies of the 4th industrial revolution disruptive technologies such as: Artificial Intelligence (AI), UAVs, energy storage,

blockchain, the Internet of Things and many more. We support the 10X initiative launched by His Highness to propel Dubai towards the future, making it 10 years ahead of other global cities through government innovation. The work team over one year studied numerous ideas for the 10X initiative. At the end, we have decided to reshape the concept of utilities and create a new digital future for Dubai by launching 'Digital DEWA,' the digital arm of DEWA. DEWA will implement a pioneering new model for utilities that uses innovation in renewable energy, energy storage, artificial intelligence and digital services. This model will disrupt the entire business of public utilities by becoming the world's first digital utility using autonomous systems for renewable-energy and its storage, expansion in AI adoption, and providing digital services."

"Our 10X initiative will focus on four pillars to deliver a new utility experience for Dubai and the world. The first pillar is launching advanced solar energy technologies in Dubai, the second is deploying a renewable energy grid that utilises innovative energy storage technologies. This will make better use of the diversified clean energy mix, in line with Dubai Clean Energy Strategy 2050. In order to integrate this large share of renewables and storage, and to ensure maximum efficiency and reliability of operations, we will use advanced machine learning," noted Al Tayer.

"This pillar also includes pilot projects on a 10-year energy storage system (ESS). We are currently working on the 7.2 MW/h Sodium Sulphur (NAS) Batteries by NGK, and evaluating 6.12 MWh Lithium Batteries, by LG Chem and

Tesla. The third Pillar will expand on AI solutions to make Dubai the first city to provide AI-based on electricity and water services. The fourth pillar is to utilise connected technologies to provide 24/7 world-class service-delivery for Dubai. DEWA will launch a futuristic digital platform, a data hub named MORO, to improve the UAE's digital capabilities to develop smart cities, provide state-of-the-art innovative solutions, and a successful model for Dubai and the world to benefit from our innovative approach."

"In conclusion, I extend my sincere gratitude and appreciation to the World Government Summit, and its organisers, for the outstanding efforts of the Summit, and for allowing us to be part of the most important event for future governments," said Al Tayer.

HE Saeed Mohammed Al Tayer welcomes delegation from SAP at World Government Summit

During the World Governments Summit, HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, Chairman of Data Hub Integrated Solutions (MORO), received a delegation from SAP, the global software leader. The delegation included Steve Tzikakis, president of Europe, Middle East, and Africa (EMEA) South, and Gergi Abboud, Senior VP at SAP for Middle East South.

The meeting comes after last year's Memorandum of Understanding (MoU) between MORO and SAP to cooperate in various areas including research and development in IT, energy and other domains. The partnership covers developing innovative solutions through MORO and accelerating digital solutions in the government and private sectors in the UAE and the region.



WGEO strengthens cooperation with UNDP

HE Saeed Mohammed Al Tayer, Chairman of the World Green Economy Summit (WGEO), met with Achim Steiner, Administrator of the United Nations Development Programme (UNDP). The meeting was attended by Waleed Salman, Vice Chairman of WGEO, Frode Mauring, UNDP Resident Representative to the UAE, and Abdul Rahim Sultan, Board Member of WGEO. Both parties discussed ways to strengthen cooperation and exchange best practices and experiences in sustainable development, low-carbon green economy, and initiatives to protect the environment. They also discussed boosting ties and cooperation in climate change and green economy, and public-private partnerships.



DEWA inaugurates 1st substation at Expo 2020 Dubai to complete remainder in record time

- **AED 81 billion will be invested in Dubai's energy sector over the next five years.**
- **DEWA allocated AED 4.26 billion for Expo 2020 electricity and water infrastructure**



DEWA has commissioned the first 132/11 kV main substation for World Expo 2020, and is overseeing the completion of the remaining substations as part of its ongoing commitments. DEWA completed the infrastructure and energy projects to support Expo 2020 in a record time – two years before the official inauguration of the exhibition. This meets the highest standards of availability, reliability and efficiency, and supports DEWA's vision of becoming a sustainable innovative world-class utility. This is part of DEWA's efforts to achieve

comprehensive sustainable development in Dubai and the UAE, and in line with the vision of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to host the best World Expo in Dubai in 2020.

DEWA has allocated AED 4.26 billion to support the infrastructure for electricity and water at Expo 2020, since it is the first official Sustainable Energy Partner. DEWA is building three 132/11 kilovolt (kV) substations with 45 kilometres (km)

of high-voltage (132kV) cables. The total cost of the electricity transmission is AED 420 million. The substations are named Sustainability, Mobility and Opportunity after the three subthemes of Expo 2020. DEWA will generate all the energy used by the exhibition from clean and renewable energy sources, to promote sustainability, which is a key pillar of the exhibition. DEWA is building a smart grid to be the first utility in the world to provide the entire chain of electricity and water transmission and distribution to the Expo.

DEWA signs MoU with Expo 2020 Dubai & Siemens for region's 1st solar-powered hydrogen electrolysis facility

At the 6th World Government Summit, HE Reem Al Hashimy, UAE Minister of State for International Cooperation & Director General of Dubai Expo 2020, HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, and Joe Kaeser, President and CEO of Siemens, signed a MoU for a pilot project for the region's first solar-driven hydrogen electrolysis facility at DEWA's outdoor test site at the Mohammed bin Rashid Al Maktoum Solar Park in Dubai.

The facility will test and show an integrated MW-scale plant to produce hydrogen using renewable energy from solar photovoltaic at the solar park, store the gas, and then deploy for either re-electrification, transportation or other industrial uses. Hydrogen technologies will accelerate renewable energy integration and deployment in the region and pave the way for the transition to a sustainable and green economy in the UAE. DEWA and Expo 2020 intend to use fuel-cell vehicles powered by green hydrogen generated at the facility. Visitors of Expo 2020 Dubai will be able to visit the key facilities at the solar park. Live data of the green hydrogen electrolysis will be

displayed at Expo 2020 Dubai.

"This project will not only result in the development of the region's first solar-driven hydrogen electrolysis facility, but is an example of what can be achieved through collaboration between Expo 2020 Dubai and our partners, truly embodying the Expo theme of 'Connecting Minds, Creating the Future,'" said Al Hashimy. "Expo 2020 Dubai will be a celebration of creativity and innovation, providing a platform for new sustainable technologies like this to be presented to a global audience of millions, and help us move towards a cleaner, greener future", Said Al Hashimy.

"The MoU is aligned to the vision of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to increase the share of Dubai's total power output from clean energy sources to 75% by 2050 for the Dubai Clean Energy Strategy 2050. The MoU also supports Expo 2020 Dubai's themes to promote sustainability and innovation and DEWA's efforts to contribute to hosting the best Expo in Dubai. This is part of our partnership with Expo 2020



Dubai, as the official sustainable energy partner," said Al Tayer.

"Siemens has been a strategic partner to DEWA for over 30 years, especially in power generation and related technologies. DEWA launches sustainable initiatives and projects and provides world-class energy infrastructure to meet all the sustainable development needs of the Emirate. DEWA provides water and electricity services at the highest standards of availability, reliability, and efficiency," added Al Tayer.

"This is truly a landmark project for Dubai and the world, and a great step forward in building a secure supply of sustainable energy for the region's economic development. Green hydrogen can be a fuel of the future. It will accelerate the adoption of renewable energy in the Middle East through sector coupling, offering new use cases, such as e-Mobility and other environmentally-friendly industries," said Kaeser.



MESSAGE

KHAWLA AL MEHAIRI

Chairperson, DEWA Women's Committee
Dubai Electricity and Water Authority

Empowering women in society during the Year of Zayed

Emirati women have achieved remarkable milestones since the union that have been recognised around the world. These achievements were made possible because of the limitless support and encouragement of our wise leadership, who believed in women's potential and capabilities to change the status quo and ensure their vital role in the development and prosperity of our beloved country.

In the Year of Zayed, I thank the late Sheikh Zayed bin Sultan Al Nahyan, the Founding Father who was the biggest supporter of women in our country and their role in social development. He made sure that women are empowered to be active partners in the development process. He once observed that a woman is half of the society not only in terms of numbers, but also in terms of her contribution in creating and nurturing generations in a healthy manner.

Sheikh Zayed had deep faith in the role of women in empowering society. He realised the importance of education for women to have an active role alongside men in the development process. Thanks to his approach, the UAE has achieved major leaps and transformations in the fields of education, healthcare, protection and in women's empowerment. The results were clearly reflected in 2017 when the UAE was ranked first worldwide in women's enrolment in secondary education and first in the literacy index.

Today, our leadership, represented by HH Sheikh Khalifa bin Zayed Al Nahyan, President of the UAE, and HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, is guided by the same approach. The great strides achieved for women's empowerment and the support to achieve gender equality

are clearly visible in workplaces where women have high positions in public and private sectors and have proved to be well deserving of their titles.

DEWA, along with other government organisations in the UAE, is on track to empower female employees. DEWA has doubled its female Emirati employees and attracted considerable female talent for leadership positions. The journey of women's empowerment in DEWA has had many milestones marked with excellence; starting with fostering a motivating and encouraging environment for self-development and determination. Women in DEWA are not just decision-makers, but also achievers. This confirms that women are more than capable of taking on their responsibilities and overcoming challenges.

In the Year of Zayed, DEWA has launched a number of projects and initiatives to celebrate the legacy of our Founding Father, with women making a special mark in various humanitarian and development projects within DEWA's CSR strategy to benefit under-privileged communities. Eight female employees participated in the Risalat Khair programme for five working days. The programme in Tajikistan was organised by DEWA, in cooperation with the Mohammed bin Rashid Al Maktoum Humanitarian and Charity Establishment and UAE Water Aid (Suqia). DEWA's female employees have participated in over 50% of the total voluntary work hours amounting to 13,000 hours in various humanitarian and CSR initiatives.

We promise to continue this journey and make every possible effort to support women's success in all their careers, so they can continue to achieve and contribute to society's empowerment.



DEWA organises 1st Sustainability Week

DEWA organised its first Sustainability Week from 11 to 15 March 2018. The week featured several pioneering events to promote the concept of sustainable development and encouraging society members to embrace sustainability as a lifestyle and promote responsible consumption of resources. DEWA Sustainability Week supports its efforts to reinforce Dubai's position as a global hub for sustainability and green economy.

"Organising DEWA Sustainability Week during the Year of Zayed is a tribute to the late Sheikh Zayed bin Sultan Al Nahyan, who laid the foundations of sustainable development and environmental protection in the UAE. Our wise leadership is following his steps to achieve a balance between development and preserving the environment. The UAE Vision 2021 National Agenda focuses on improving the quality of air, preserving water resources, increasing the contribution of clean energy and implementing green growth plans," said HE Saeed Mohammed Al Tayer, MD and CEO of DEWA.

DEWA Sustainability Week 2018 included a number of key events including:

2nd Sustainability Leadership Conference

DEWA, in collaboration with the University of Cambridge Institute for Sustainability

Leadership (CISL), organised the 2nd Sustainability Leadership Conference over two days. The first day included the Leadership Summit, and the second included the Sustainable Development Goals Workshop. The first day of the conference was inaugurated by HE Saeed Mohammed Al Tayer, MD & CEO of DEWA. It was attended HE Ahmed Buti Al Muhairbi, Secretary General of the Supreme Council of Energy; HE Saif Humaid Al Falasi, CEO of Emirates National Oil Company (ENOC); Mohammed Abunayyan, Chairman of ACWA Power; DEWA's Executive Vice Presidents and Vice Presidents, and a number of officials from Dubai Government agencies. Speakers at the Sustainability Leadership Conference included Aris Vrettos, Director of Open Programmes and International Markets for CISL; Terry A'Hearn, Chief Executive Officer of the Scottish Environment Protection Agency (SEPA); Rear Admiral Neil Morisetti, CB, Former Commander of UK Maritime Forces and Interim UK Foreign Secretary's Special Representative for Climate Change; Tom Burke, Chairman E3G and former Special Adviser to UK Secretaries of State for Environment; and other international sustainability experts.

In his keynote speech, Al Tayer commended the efforts of the University of Cambridge

Institute for Sustainability Leadership for its continuous and fruitful cooperation with DEWA on sustainability. "At DEWA, sustainability is one of top of our priorities. This year, we are organising the first DEWA Sustainability Week during the Year of Zayed, which marks 100 years since the birth of the late Sheikh Zayed bin Sultan Al Nahyan, may his soul rest in peace, the leader of sustainability in the UAE. Our wise leadership follows the same path of sustainability to achieve a balance between development and the environment. We are guided by this vision to launch pioneering initiatives to consolidate the economic, social and environmental aspects of sustainability within an institutional framework and an integrated system to ensure sustainable results," said Al Tayer.

"Our collaboration with DEWA is based on a common desire to develop the solutions and leadership needed for a better and more sustainable world. We are delighted to bring together leaders at this conference to address global challenges and opportunities. Leaders participating today recognise the need to work together – to lead this change and not just adapt to it," said Dame Polly Courtice, Director of Cambridge Institute for Sustainability Leadership in a video message at the conference.

Sustainability Week



Youth Sustainability Forum

During its Sustainability Week, DEWA organised the Youth Sustainability Forum in Etihad Museum in Dubai, in cooperation with the Dubai Youth Council. A large number of youth council members and university students from across the UAE, young employees from DEWA and other government and private organisations in the UAE took part in the forum. The forum discussed many sustainability-related topics, with participation from Isobel Abulhoul, Executive Director and Member of the Board of Trustees of the Emirates Literature Foundation; and Aris Vrettos, Programme Director, University of Cambridge Institute for Sustainability Leadership (CISL), as well as a number of prominent Emirati youth. These included Meera Al Shaikh, Project Manager at Smart Dubai Office; Abdallah Kanaan, Programme Manager at Dubai Future Accelerators; Mariam Al Hashimi, a student at Paris-Sorbonne University, and Athbeh Al Shehhi, Engineer, Climate Change & Sustainability at DEWA. Participating youth presented many constructive ideas and suggestions that would contribute to the sustainable development of the UAE.

Voluntary day at Jebel Ali Marine Sanctuary

DEWA concluded its first Sustainability Week by organising a voluntary day at the Jebel Ali Marine Sanctuary, in cooperation with the Emirates Marine Environment Group (EMEG). Around 80 DEWA staff volunteered to clean the beaches and plant mangrove trees. The voluntary day supports the Memorandum of Understanding (MoU) between DEWA and EMEG to enhance mutual cooperation between the two sides. This includes organising events and programmes related to biodiversity, and launching voluntary initiatives to support DEWA's vision and objectives. It also includes supporting the environmental and heritage programmes, and developing projects of common interest, especially those related to sustainability and environmental footprint. DEWA cooperated with EMEG on the National Environment Day in February 2018 and the 'Clean-Up the World' campaign in November 2017 to clean up the coastal beaches of Jebel Ali Marine Sanctuary, plant mangrove trees, and release finned black seabream fish back into the sea. During 2018, DEWA will organise several voluntary environmental activities in cooperation with EMEG.

Activities at DEWA's head office

DEWA also held sustainability-related activities at its head office. These included a presentation by its Climate Change Ambassadors, who went on an expedition to Tanzania in collaboration with National Geographic, to learn about the impact and implications of climate change there. DEWA's divisions also presented their initiatives to raise awareness among staff about the Sustainable Development Goals.

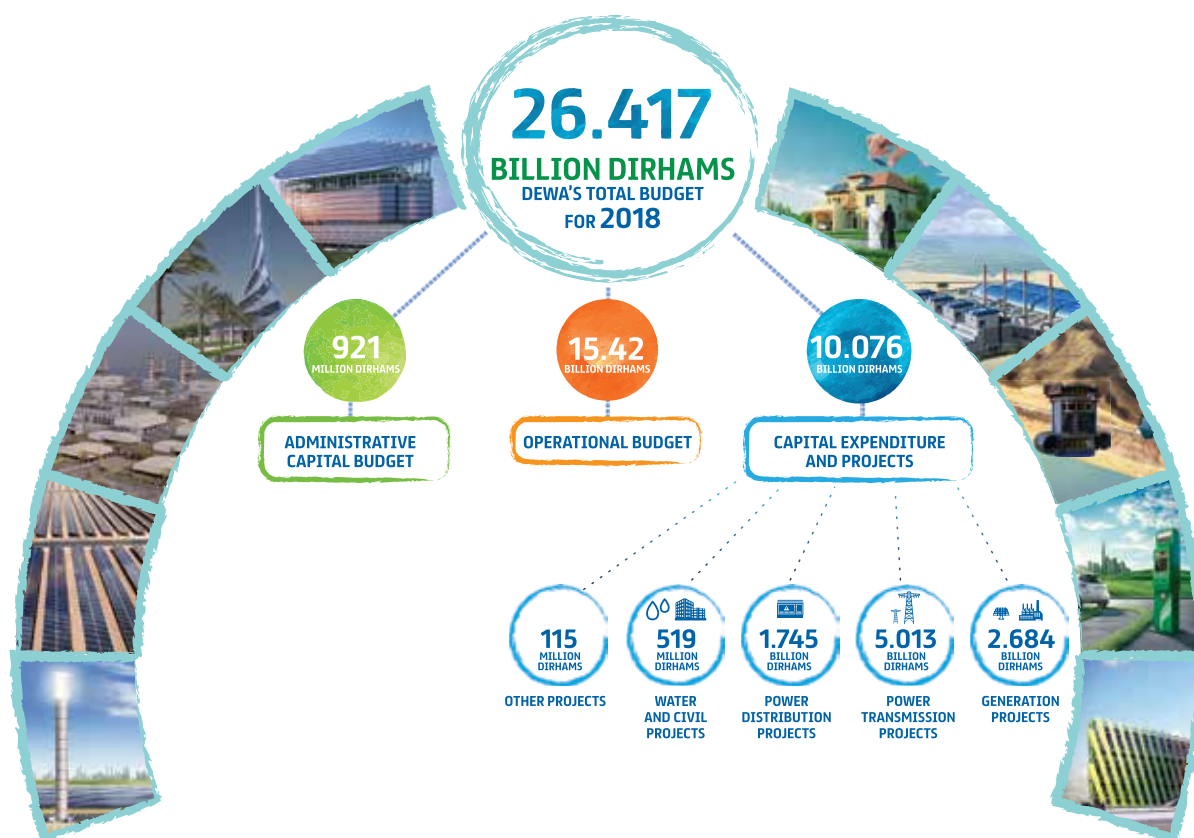
HH Sheikh Mohammed bin Rashid Al Maktoum approves AED26.417 billion DEWA budget for 2018



▶ HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai has approved DEWA's total budget of AED26.417 billion for 2018, compared to AED24.358 billion in 2017.

As per the directives of His Highness, the 2018 budget incorporates investments in conventional and non-conventional energy sources, advanced technologies and innovative projects to make Dubai a smart, sustainable and innovative city, and consolidate its position as a global model for the green economy.

His Highness highlighted the importance of innovation in the energy sector as a key driver for development as well as inspiring youth to participate in building the future of the UAE and accelerating the implementation of smart solutions that enhance the development of the UAE.



DEWA recognises the vital role of renewable and clean energy sources in realising the objectives of the Dubai Clean Energy Strategy 2050 to provide 75% of Dubai's total power output from clean energy by 2050. Accordingly, DEWA has announced the preferred bidder for its 700 MW concentrated solar power Independent Power Producer (IPP) model project costing AED14.2 billion.

DEWA's vision is aligned with strategies at both federal and local levels as stipulated in UAE Vision 2021, National Agenda, UAE Centennial 2071, Dubai Plan 2021, and Smart Dubai goals. Accordingly, budget allocations have been made in 2018 for investments in strategic innovation, R&D, renewable energy, green technology, smart grid, energy efficiency, demand side management and other projects.

"We have a holistic approach for the energy sector and we translated that into workable strategies. The budget supports the vision of our leadership to provide citizens and residents with excellent services in a smart and well-connected city, which is recognised as a global model for developing clean energy, inspiring innovation and creativity and promoting sustainability. Accordingly, our investment in disruptive technologies and the launch of the world's first Sharia-compliant Green Fund are testimony to DEWA's commitment to realising the aspirations of His Highness Sheikh Mohammed bin Rashid Al Maktoum," said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.

"AED10.076 billion of the 2018 budget is allocated to capital projects and capital purchases, compared to AED8.692 billion in 2017. The 2018 budget includes AED2.684 billion for electricity and water generation, AED5.013 billion for power transmission, AED1.745 billion for power distribution and AED0.519 billion for water transmission and distribution projects" explained Al Tayer.



DEWA briefs delegation from Saudi Aramco on its best practices

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, has welcomed a high-level delegation from Saudi Aramco. The delegation included Khalid Al Salouli, Aramco Director and Head of the Energy Industrial City; Nabil Chaachou, Aramco Energy Industrial City project manager; Jaap Kalkman, Partner at Arthur D. Little and Global Head of its Energy & Utilities Practice, and Lukas Vylupek, Principal at Arthur D. Little responsible for the Energy Industrial City project.

The meeting was attended by Waleed Salman, Executive Vice President of Business Development & Excellence; Rashid Bin Humaidan, Executive Vice President of Distribution Power; Khawla Al Mehairi, Executive Vice President of Strategy & Government Communications, and Marwan

Al Sabbagh, Vice President of Projects & Connection Services.

The meeting heightened cooperation between the two organisations, with Saudi Aramco able to review world-class practices and expertise at DEWA, including benchmarking and key performance indicators. DEWA is working to deliver the best possible services in electricity and water that are reliable, efficient, and always available, to achieve the happiness of its customers and stakeholders.

Al Tayer was briefed on Aramco's Energy Industrial City project, which will be developed over 50 square kilometres. The delegation expressed its desire to cooperate with DEWA, and benefit from its expertise in the fields of generation, transmission, and distribution.



Sheikh Zayed bin Sultan bin Khalifa Al Nahyan visits Mohammed bin Rashid Al Maktoum Solar Park to explore Dubai's experience in promoting sustainability and renewable energy

Sheikh Zayed bin Sultan bin Khalifa Al Nahyan, Chairman of His Highness Sheikh Sultan Bin Khalifa Al Nahyan Humanitarian & Scientific Foundation, visited the Mohammed bin Rashid Al Maktoum Solar Park. He was welcomed by HE Saeed Mohammed Al Tayer, MD & CEO of DEWA. The meeting was attended by Waleed Salman, Executive Vice President of Business Development and Excellence at DEWA, Ishaq Al Hammadi, Executive Managing Director of Shuaa 1, and Abdul Hamid Al Muhaidib, from ACWA Power.

During the visit, Al Tayer explained the key components of the solar park, as well as its completion stages and strategic objectives. The visit included the Solar Testing Centre at the solar park, which includes test technologies for photovoltaic panels and for concentrated solar power (CSP) as well.



DEWA wins
8 awards in
Ideas. America
2017

DEWA has been recognised as a global leader in innovation and creativity after winning eight international awards and honourable mentions in nine categories, at the awards ceremony in Arizona USA, at the 75th Ideas.America.

DEWA won three gold prizes in the Idea of the Year category, and Team Idea of the Year. DEWA also received three silver awards: the performance excellence for savings per implemented suggestion award, the annual net savings per eligible employee, and performance excellence for total dollars saved. DEWA also received a silver award for Safety Idea of the Year.

DEWA also received the bronze award for the Best Program Administrator, the Kudos Award, and honourable mentions for the participating team, and another in the Best Communication Excellence category, and an honourable mention in the Evaluator of the Year Award.

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, expressed his happiness with this great achievement, which is a new global recognition of DEWA's efforts to instil a culture of creativity, innovation and excellence in government work as part of its vision to become a sustainable innovative world-class utility. This enhances Dubai's leading position in innovation all over the world.



* Rashid bin Humaid Al Nuaimi visits Mohammed bin Rashid Al Maktoum Solar Park to review DEWA's experiences in driving renewable energy



▶ HH Sheikh Rashid bin Humaid Al Nuaimi, Chairman of Ajman Municipality and Planning Department, accompanied by HE Dr Thani Ahmed Al Zeyoudi, Minister of Climate Change and Environment, and officials from Ajman Municipality and Planning Department, visited the Mohammed bin Rashid Al Maktoum Solar Park. They were welcomed by HE Saeed Mohammed Al Tayer, MD&CEO of DEWA. The solar park is the largest single-site solar project in the world. It will generate 5,000 MW by 2030.

The delegation from Ajman Municipality and Planning Department included Khalid Moeen Al Hosani, Deputy Director General, and several senior officials. The meeting was attended by Waleed Salman, Executive Vice President of Business Development and Excellence at DEWA, Khawla Al Mehairi, Executive Vice President of Strategy and Government Communications at DEWA, Ishaq Al Hammadi, Executive Managing Director of Shuaa 1, and a number of DEWA officials.

Al Tayer welcomed His Highness, Dr Al Zeyoudi, and the guests, highlighting the importance of the visit and DEWA's intention to enhance joint cooperation with Ajman Municipality and Planning Department and all local and federal government bodies and organisations in the UAE. This helps promote

comprehensive sustainable development and the UAE's leadership in sustainability and the transformation towards a green economy that is based on knowledge and innovation.

"Our visit to the Mohammed bin Rashid Al Maktoum Solar Park comes today as part of Ajman Municipality's commitment to learn about the best practices and successful experiences of one of the largest and most distinguished service organisations in the world. DEWA is a leading example of excellence in government work and service provision according to the highest international standards. We are keen to share experiences and learn about DEWA's efforts in sustainability and achieving comprehensive sustainable development, through ambitious projects and initiatives. These projects have shaped the energy sector in the region, and established Dubai and the UAE's position in the transition towards a green economy and using clean energy. This supports the directives of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai," said HH Sheikh Rashid bin Humaid Al Nuaimi.

"Ajman Municipality and Planning Department keeps pace with the rapid developments that Ajman has achieved

in a short period of time, whether in infrastructure or major projects in vital sectors such as roads, energy, urban planning and so on. These projects were implemented according to international standards, under the directives of His Highness Sheikh Humaid bin Rashid Al Nuaimi, Member of the UAE Supreme Council and Ruler of Ajman, and the follow up of the Sheikh Ammar bin Humaid Al Nuaimi Crown Prince of Ajman and Chairman of the Executive Council of Ajman.," added HH Sheikh Rashid bin Humaid Al Nuaimi.

Al Tayer talked about DEWA's key projects, initiatives, and programmes that it is implementing in accordance with the directives of the wise leadership to achieve the objectives of the UAE Centennial 2071, the UAE Vision 2021, and the Dubai Plan 2021 to secure a happy and better future for generations to come and raise the UAE's status to become the best country in the world.

HH Sheikh Rashid bin Humaid Al Nuaimi, Dr Al Zeyoudi, and Al Tayer witnessed the signing of an MoU by Salman, and Al Hosani, to enhance cooperation between the two sides to exchange knowledge and expertise in sustainability, innovation, access to best practices and initiatives to preserve the environment and achieve the sustainable development goals, and the development of smart infrastructure.



MD & CEO welcomes Bahraini Minister of Electricity and Water Affairs at Mohammed bin Rashid Al Maktoum Solar Park

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, received a high-level delegation from Bahrain, headed by HE Dr Abdulhussain Mirza, Minister of Electricity and Water Affairs of Bahrain. The meeting was held at the Mohammed bin Rashid Al Maktoum Solar Park, the largest single-site solar park in the world based on the Independent Power Producer (IPP) model.

The meeting was attended by HE Dr Matar Hamed Al Neyadi, Undersecretary of the Ministry of Energy and Industry in the UAE, HE Mohammad Boushehri, Undersecretary of the Ministry of Electricity and Water of Kuwait, Mohammed A. Abunayyan, Chairman of ACWA Power, and from DEWA; Waleed Salman, Executive Vice President of Business Development and Excellence, Dr Yousef Al Akraf, Executive Vice President of Business Support and Human Resources,

Marwan Bin Haider, Executive Vice President of Innovation and the Future, and Jamal Al Hammadi, Vice President of Special Projects.

During the visit, Al Tayer presented DEWA's most important projects, initiatives, and programmes, which adopt sustainability as part of its vision, in addition to the most important components of the solar park, as well as its completion stages and strategic objectives.

The delegation visited the Solar Testing Centre at the solar park, which includes test technologies for photovoltaic panels and for concentrated solar power (CSP) as well. Al Tayer also reviewed the water desalination unit at the solar park. The desalination plant is powered by a photovoltaic array and uses reverse osmosis technology to produce 50 cubic metres of drinking water a day.



DEWA strengthens ties with US Department of Energy

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, welcomed a high-level delegation from the US Department of Energy. The delegation was headed by Dan Brouillette, Deputy Secretary of Energy, and included Paul R. Malik, US Consul General in Dubai, and Glen Sweetnam, Director for the Office of African and Middle Eastern Affairs in the Office of International Affairs at the US Department of Energy, and several advisors from the Deputy Secretary's Office, and staff from the US Consulate in Dubai.

Waleed Salman, Executive Vice President of Business Development & Excellence, Dr Yousef Al Akraf, Executive Vice President of Business Support and Human Resources, and Marwan Bin Haider, Executive Vice President of Innovation and the Future from DEWA also attended.

Al Tayer welcomed the delegation, and stressed that these meetings are part of DEWA's desire to share best international experiences and expertise, and enhance cooperation with US government agencies and the private sector in energy.

The delegation expressed interest in participating in DEWA's projects, especially on clean energy, exchanging expertise, information, and techniques, and contributing to the sustainable growth of Dubai.





Supreme Council of Energy launches State of Green Economy Report



▶ HE Saeed Mohammed Al Tayer, Vice Chairman of Dubai Supreme Council of Energy today launched the State of Green Economy Report 2018. The Supreme Council of Energy compiled the report in collaboration with the United Nations Development Program (UNDP), and the Dubai Carbon Centre of Excellence (Dubai Carbon). The report was launched at the Youth Hub in Emirates Towers, Dubai.

The ceremony was attended by HE Dr Aisha Bin Bishr, Director General of the Smart Dubai Office, HE Huda Al Hashimi, Assistant to the Director General for Strategy and Innovation at the Prime Minister's Office, HE Ahmad bin Butti Al Muhairbi, Secretary General of the Supreme Council of Energy, Abdullah Kalban, MD & CEO of Emirates Global Aluminium, HE Ahmad Bin Shafar, CEO of Empower, Waleed Salman, Chairman of Dubai Carbon, Frode Mauring, UNDP Resident Representative, and representatives from the public and private sectors, international organisations, and the media. During the event a number of individuals and organisations from the public and private sectors were honoured during the ceremony for their contribution to the report.

The State of Green Economy Report 2018 includes eight chapters on green economy development, under the theme 'Youth and building the future'. It reviews the efforts of various organisations in green economy, with a general perspective by young Emiratis. The chapters cover several topics, such as the World Green Economy Summit (WGES), Innovation and Technology, Roadmap to the Future, Energy, Renewable Technology, Smart Cities, Green Transformation, Policies and Governance, Youth, and the Private Sector.

DEWA wins '2017 Middle East and Africa Renewables Deal of the Year'

DEWA won the '2017 Middle East and Africa Renewables Deal of the Year' by Project Finance International (PFI) magazine for the third phase of MBR Solar Park 800MW Solar PV Project. PFI, a subsidiary of Thomson Reuters, is a specialised magazine in tracking and analysing projects, financial budgets and project deals worldwide.

HE Saeed Mohammed Al Tayar, MD & CEO of DEWA received the award, in the presence of Waleed Salman, Executive Vice President of Business Development and Excellence division at DEWA, and the project's team.

The PFI Awards is one of the industry's most outstanding annual awards and is awarded annually to honour individuals, organisations and projects with the best achievements and financial transactions in the world. The average number of deals that run for prizes each year ranges from 300 to 350.

DEWA awards contract for sea water reverse osmosis-based desalination plant in Jebel Ali

DEWA has awarded an AED 871 million contract for the construction of 40 Million Imperial Gallons Per Day (MIGD) Sea Water Reverse Osmosis (SWRO) based desalination plant in Jebel Ali, to a joint venture comprising ACCIONA Agua S.A and Belhasa Six Construct (BeSIX).

This new SWRO Plant including pre-treatment facilities will be developed using 2-pass RO system. This Plant is expected to be commissioned by May 2020 to meet the reserve margin criterion set for peak water demand for the year 2020 and beyond asserted that DEWA has a strategy to build production plants based on Reverse Osmosis which requires 90% less energy than that of Multi-stage flash distillation based plants, making it a more sustainable choice for water desalination, and reducing the carbon emissions associated to this process.



DEWA wins 'Best Employer Brand' and 'Best Cultural Environment for Learning' in the Public Sector category at LinkedIn MENA Talent Awards

DEWA has won the Best Employer Brand and Best Cultural Environment for Learning awards, in the Public Sector category, at the LinkedIn MENA Talent Awards 2017. The ceremony was held by LinkedIn, the world's largest professional network, at Four Seasons Hotel, Dubai. The ceremony was attended by Marwan Bin Haider, Executive Vice President of Innovation and the Future; Dr Yousef Al Akraf, Executive Vice President of Business Support and Human Resources; Fatma Hamad Alsuwaidi, Senior Manager for Knowledge Management, and several officials and staff from DEWA.

DEWA received the award in recognition of the fruitful collaboration between DEWA's Knowledge Management department and LinkedIn, which promotes a culture of learning among DEWA's staff. It provides 2,000 employees with the opportunity to discover the knowledge resources available on LinkedIn Learning, one of the leading platforms for smart learning. It provides members with a library of over 10,000 pieces of content, including knowledge-based, training and quality management, and technology and innovation products from leading experts around the world. DEWA has achieved a benchmark in the MENA region in the average number of hours an employee spends in learning, at a rate of 90 minutes per week.



DEWA participates in 4th Future Accelerators Programme



DEWA has announced its participation in the fourth Dubai Future Accelerators Programme, which is organised by Dubai Future Foundation. The announcement was made in the presence of HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of the Executive Council of Dubai. The programme is held for nine consecutive weeks from March 2018. The programme is an innovative platform that brings together start-ups, from around the world, with leading government organisations in Dubai, to reach innovative solutions to their current and future challenges.

"DEWA is keen on participating in the fourth Dubai Future Accelerators Programme, to keep abreast of the Fourth Industrial Revolution, be familiar with the technological developments around the world through provided by the participating start-ups so as to find sustainable and innovative solutions to the most significant challenges related to its work, in addition to adopting solutions such as disruptive technologies in DEWA's main sectors. This supports DEWA's vision to become a sustainable innovative world-class utility," said HE Saeed Mohammed Al Tayar, MD & CEO of DEWA.

Al Tayar emphasised that DEWA's participation in the fourth Dubai Future Accelerators Programme supports its ongoing efforts to establish the concept of innovation as a cornerstone of continuous growth, development, and excellence in performance.





Chairman of Suqia discusses collaboration with UNHCR

HE Saeed Mohammed Al Tayar, Chairman of the Board of Trustees of the UAE Water Aid Foundation (Suqia), welcomed a delegation from the United Nations High Commissioner for Refugees (UNHCR). The delegation included Amin Awad, Director of the Bureau for the Middle East and North Africa, Andrew Harper, Director of the Division of Programme Support and Management, Toby Harward, Head of Office, and Dalal Al Sharhan, Senior External Relations Associate. The meeting supports Suqia's charitable and humanitarian efforts, under the umbrella of the Mohammed bin Rashid Al Maktoum Global Initiatives (MBRGI).

The meeting discussed Suqia's projects to support Research & Development to develop sustainable solutions to water scarcity around the world, as well using clean energy in water desalination. It also discussed the UNHCR's efforts to improve the lives of refugees and displaced people around the world, and provide camps with clean energy and drinking water. Al Tayar discussed cooperation with the UNHCR to achieve shared goals to improve the living conditions of needy communities around the world, noting that Suqia's projects have benefited over 8 million people so far in 25 countries, in collaboration with leading charitable and humanitarian organisations. He said that during the Year of Giving, Suqia implemented 85 development projects in 21 countries benefiting 550,000 people.

FNC reviews DEWA as role model for services to Emiratis

HE Saeed Mohammed Al Tayar, MD & CEO of DEWA, has welcomed members of the Technical Affairs, Energy, and Mineral Resources Committee of the Federal National Council (FNC). The delegation included Afra Al Basti, Rapporteur of the Technical Affairs, Energy and Mineral Resources Committee of the FNC, Khaled bin Zayed Al Falasi, and Dr Jaber Al Zaabi, Assistant Secretary General for Sessions and Committees of the General Secretariat of the FNC. This is part of the Committee's work plan to discuss the policy of the Federal Electricity and Water Authority (FEWA). The plan includes organising field visits to review the services provided to customers and listen to the opinions of stakeholders and citizens. Recommendations are included in the Committee's report, which will be discussed by the FNC.

The meeting was attended by Waleed Salman, Executive Vice President of Business Development & Excellence, Dr Yousef Al Akraf, Executive Vice President of Business Support and Human Resources, Khawla Al Mehairi, Executive Vice President of Strategy & Government Communications at DEWA, Abdullah Al Hajri, Executive Vice President of Billing Services, and Jassim Rajab, Financial Controller.

During the meeting, the Committee members discussed the Emiratisation of technical jobs, DEWA's services for customers, conservation tips and ways to reduce electricity use and costs, DEWA's renewable-energy projects in 2015-2017, and its policy to recruit graduates in specialised and technical jobs. The Committee's members also enquired about the challenges facing DEWA in providing services to Emiratis, as well as its most important initiatives and future projects for power plants and water production to meet increasing demand in Dubai.



Dubai Supreme Council of Energy strengthens cooperation with National Oil & Gas Authority in Bahrain



HE Ahmed Buti Al Muhairbi, Secretary General of the Supreme Council of Energy, received a high-level delegation from the National Oil and Gas Authority, in Bahrain, headed by HE Jassim Issa Al Shirawi, Director General of Oil and Gas Affairs and Hisham Zabari, Senior Advisor in the Oil and Gas Authority. Al Muhairbi welcomed the Bahraini delegation and emphasised the importance of such meetings which would enhance joint cooperation, as well as the latest developments and best practices in the energy sector.

During the meeting, the parties reviewed the Demand Side Management Strategy 2030, and the Dubai Clean Energy Strategy 2050, which aims to diversify the energy mix so clean energy will generate 75% of Dubai's total power output by 2050. The delegation was briefed on the experience of the Dubai Supreme Council of Energy, and its Innovative programmes and initiatives. Al Muhairbi discussed the Dubai Integrated Energy Strategy, which was recently finalized, and also reviewed the results of the Green Mobility initiative.

At the end of the visit, the Bahraini delegation thanked the officials from the Dubai Supreme Council of Energy for their welcome and comprehensive presentation of the Council's experience in the field of energy, clean energy, and sustainability.

DEWA concludes 4th Future Engineers camp, organised in cooperation with Al Jalila Cultural Centre for Children

DEWA concluded the 4th Future Engineers camp, which it organised in cooperation with Al Jalila Cultural Centre for Children (AJCCC) in Dubai. A total of 40 students took part in the camp. They spent over 80 training hours learning about the basics of Robotics, and developing smart applications. The camp included specialised programmes to develop skills in communications, teamwork and scientific research, as well as daily educational and fun activities and competitions. The participants' happiness rate about the winter camp is 99.86%. During the graduation ceremony, the Future Engineers presented their innovative designs for robots and apps that they successfully uploaded on Google Play. The outstanding students with distinguished projects were honoured, and appreciation certificates were presented to the participants.



DEWA achieves 88.8% in the Sustainability Culture Indicator in 2017

DEWA achieved a world record in the Sustainability Culture Indicator achieving 88.8% in 2017, which exceeds the global average of 62% achieved by the international participating entities during the same year. The Sustainability Culture Indicator is conducted annually by organisations to measure their ability to instil a culture of sustainability among the business community. This highlights DEWA's uniqueness in promoting a culture of sustainability among stakeholders.

The survey witnessed the participation of over 3,000 employees from DEWA's different divisions and departments. The results showed a remarkable increase across all individual and organisational levels in the areas of commitment, leadership, and sustainability. This reflects DEWA's efforts throughout the year, to improve institutional performance, and implement a culture of sustainability among employees while enhancing their abilities as per the highest international standards.

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, expressed his pleasure with DEWA's outstanding results in the Sustainability Culture Indicator. He noted that it reflects DEWA's efforts in integrating a culture of sustainability in all its work, and making it an integral part of DEWA's vision, mission and corporate values.



DEWA installs 3,392 smart meters in Hatta as part of the Hatta Comprehensive Development Plan

DEWA has installed 3,392 smart meters (1,849 for electricity and 1,543 for water) for buildings in Hatta that are based on the latest international standards in December 2017. This is part of DEWA's Smart Applications through Smart Meters and Grids initiative to support the Smart Dubai initiative to transform Dubai into the smartest and happiest city in the world. This is part of the Hatta Comprehensive Development Plan, launched by HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai.

"DEWA is currently replacing old mechanical and electromechanical meters with new smart meters. It has also implemented several smart procedures in electricity networks, and is using SCADA systems, and smart monitoring devices, as well as control and automation systems to provide electricity and water services to the highest standards of availability, efficiency, and reliability. By 2020, we will have over 1, 200,000 smart meters in Dubai," said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.

"The Smart Grid is a key component of DEWA's strategy to develop advanced infrastructure. We have begun to strengthen the electricity and water infrastructure to be smarter, by relying on modern smart network technologies and providing advanced features, including automatic decision making and interoperability across the entire electricity and water network. Smart Grid also increases efficiency and allows consumers to optimise consumption of energy and water. The Smart Grid includes plans and programmes with investments totalling AED 7 billion on 11 programmes to be completed in the short-, medium-, and long-term between 2014 and 2035," added Al Tayer.



MD & CEO welcomes UAE Genes in Space winner, Alia Al Mansoori

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, welcomed 15-year-old Alia Al Mansoori, UAE Genes in Space winner. The competition was held at the Global Space Congress, in Abu Dhabi, in February 2017. Her project included a study that might help protect astronauts from protein expression changes. This shows DEWA's support for young Emiratis in science fields.

Waleed Salman, Executive Vice President of Business Development & Excellence, Dr Yousef Al Akraf, Executive Vice President of Business Support and Human Resources, Marwan Bin Haidar, Executive Vice President of Innovation and the Future, and Khawla Al Mehairi, Executive Vice President of Strategy & Government Communications also attended the meeting.

Al Tayer welcomed Al Mansoori and expressed pride in her achievement at such a young age, as it confirms the UAE's global success in establishing the foundations of scientific renaissance in space, engineering and mathematics in record time.

Al Mansoori thanked Al Tayer for his warm welcome. She also commended the unlimited support of the wise leadership and government officials for future generations to enable them to achieve their dreams and enhance the UAE's global position in all fields.

DEWA joins the UN Global Compact



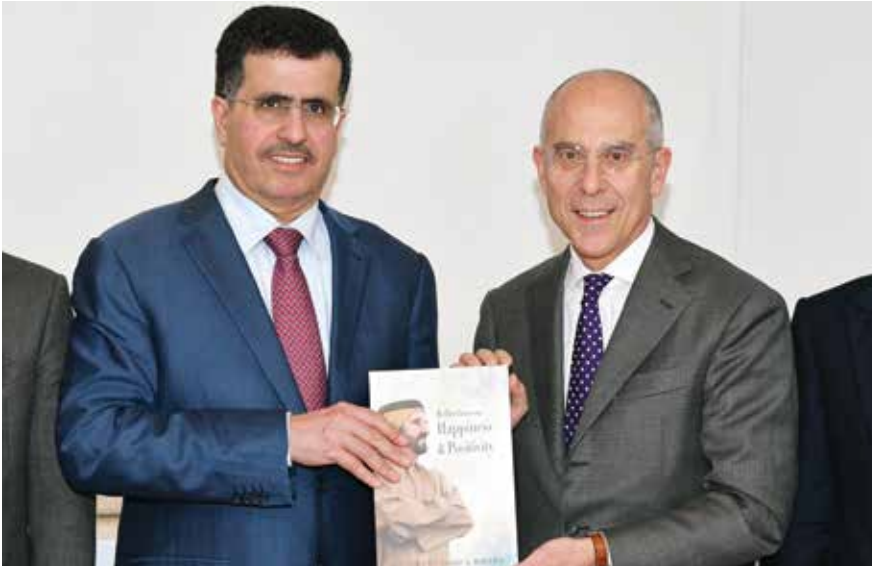
DEWA announced its joining the United Nations Global Compact (UNGC), the world's greatest corporate sustainability initiative. With this announcement, DEWA becomes the UAE's first government utility to join the UNGC and adopt its ten basic principles in the fields of human rights, labour, environment, and anti-corruption.

DEWA will highlight its efforts

in implementing and adopting the ten principles of the UNGC in its next version of its annual Sustainability Report. DEWA supports the 17 goals of sustainable development adopted by the UN for the year 2030.

The UNGC is a voluntary initiative aiming to encourage companies and organisations worldwide to adopt sustainable and socially-responsible policies, and is considered the world's largest organisational corporate sustainability initiative. It includes around 13,000 organisations from over 160 countries worldwide.

MD & CEO heads high-level delegation to visit Enel



HE Saeed Mohammed Al Tayar, MD & CEO of DEWA, led a delegation to Rome to visit Enel's Group headquarters and facilities. Enel Group is a global market leader with domain expertise

in the production and distribution of electricity and natural gas serving over 65 million end users worldwide.

DEWA was invited by Enel to enhance

cooperation and exchange best expertise and global experiences and practices and conduct benchmarking in smart meters, smart networks, cyber security, innovation, disruptive technologies, and the latest developments in digital transformation and automation.

The delegation included Nasser Lootah, Executive Vice President of Generation at DEWA; Waleed Salman, Executive Vice President of Business Development & Excellence at DEWA; Dr Yousef Al Akraf, Executive Vice President of Business Support and Human Resources; Marwan Bin Haidar, Executive Vice President of Innovation and the Future; and Ahmed Abdullah, Senior Manager of External Communications.

Al Tayar and the accompanying delegation met Francesco Starace, Group CEO of Enel, Livio Gallo - Head of Enel Global Infrastructure & Networks, Antonio Buondonno, Head of Enel Global Infrastructure & Networks East Europe, Africa & Middle East Business Development, and other senior employees from the Group.

Al Tayar and the delegation visited Enel's National Control Centre in Rome as well as the Smart Grids Lab in Milan.

Al Namoos connects electricity up to 150kW in one step within 7 days, with new-connection charges waived



HE Saeed Mohammed Al Tayar, MD & CEO of DEWA has announced new improvements to consultants and contractors as part of the Al Namoos service. Now, connections of up to 150kW will be done in just one step within seven days. Connection charges are also waived for new connections of up to 150kW for commercial and industrial customers. The move supports the vision and directives of HH Sheikh

Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to streamline doing business in Dubai and achieve the happiness of stakeholders. This is despite the fact that UAE, represented by DEWA, ranked first in the world for getting electricity. Al Tayar made this announcement at DEWA's ceremony to honour enrolled consultants and contractors. The ceremony was attended by DEWA's Executive Vice Presidents, Vice Presidents, and staff, as well as a large number of consultants and contractors.

Consultants and contractors who attended the honouring ceremony praised DEWA's new measures in electricity connections, noting that they will save their time and effort, as well as reduce cost for commercial and industrial contractors.



DEWA honours Ideal Home winners with electric car, solar systems, and AED105,000 in prizes

DEWA honoured winners and partners of the second Ideal Home initiative. The initiative was launched by DEWA, in collaboration with 9 government agencies in Dubai. This is part of DEWA's commitment to its corporate social responsibility, and its efforts to consolidate environmental sustainability and promote happiness within society.

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, honoured the winners. The ceremony was attended by Major General Mohammed Ahmed Al Marri, Director General of the General Directorate of Residency and Foreigners Affairs—Dubai, Khalifa Hassan Aldrai, CEO of Dubai Corporation for Ambulance Services, HE Ahmed Abdul Karim Julfar, Director General of the Community Development Authority, Major General Khalil Ibrahim Al Mansouri, Assistant Commandant for Criminal Investigations Affairs at Dubai Police, and other senior government officials. DEWA also honoured its partners in the initiative: Dubai Police, Dubai Municipality, the General Directorate of Residency and Foreigners Affairs, the Roads & Transport Authority, Dubai Health Authority, Dubai Civil Defence, Dubai Corporation for Ambulance Services, the Community Development Authority, and the Smart Dubai Government Establishment.

200 homes took part in the second Ideal Home initiative. Out of these,

60 were shortlisted based on the criteria set by the partners. The government agencies conducted a total of 180 field visits, with an average of three visits per home, in addition to several workshops and awareness campaigns. The first stage included energy efficiency audits to all nominated homes in cooperation with Taqati. Each home was provided with an energy efficiency report that included energy and water saving tips tailored to the consumption of each house. In the second stage, partners collaborated to organise visits to raise awareness. In the third and final phase, the homes were evaluated and 10 ideal homes were selected.

Mohammed Hassan Ahmed Al Fardan, who came first, won an electric car. Ahmed Abdullah Saeed Abdullah as second and received a cash prize of AED20,000. Zuhair Abdullah Ahmed, came third and received AED15,000. Winners from 4th to 10th place received cash prizes of AED10,000 each. In addition, solar panels will be installed on the rooftops of the ten winners' houses. Hamdan Nasser Humaid came fourth, Ahmed Mohammed Amin Abdulrahman Kalat was fifth, Khadija Abdulrahman Younis Ali came sixth, Mohammed Sharaf Mohammed was seventh, Zainab Sayed Morsi Hassan came eighth, Adel Abdullah was ninth, and Rashid Mohammed Abdullah was tenth.

DEWA awards AED 1.1 billion contract for the construction of 4th phase of H-Station at Al Aweer

DEWA has awarded the contract for the construction of the 4th phase of H-Station at Al Aweer, worth AED 1.1 billion, to a consortium comprising Siemens and ELSEWEDY Power. DEWA works to enhance the quality of life in Dubai.

"We work tirelessly to support the UAE in reaching first place in everything we do, and to enhance our infrastructure and our total production capacity, which currently is 10,200MW of electricity and 470 million imperial gallons (MIGD) of desalinated water per day. Currently, DEWA has over 4,000MW of projects under construction. The project aims to test, supply, and commission three gas turbines with a total capacity of 815MW. The turbines are expected to be operational in phases starting from 29 February 2020 and ending on 30 April 2020," said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.

The power station is one of DEWA's most important projects, to help meet the growing demand for electricity. The station is equipped with the latest control systems and technologies to reduce emissions. The turbines will be completely fueled with natural gas.

H-Station at Al Aweer has a current total capacity of 1,996MW under climatic conditions and high temperatures of up to 50 degrees Celsius. Once the 815MW 4th phase is complete, the station will have a total capacity of 2,811MW.



DEWA certified as Investors in Excellence for the 4th time



▶ DEWA has met the Investors in Excellence (IiE) standard for the fourth year in a row, becoming one of the highest performing organisations in the world; adding to DEWA's roster of achievements.

The IiE certificate is awarded to organisations and companies that achieve advanced and remarkable results in corporate excellence, following a thorough and comprehensive assessment by Investors in Excellence. DEWA achieved a qualitative leap in its performance by obtaining results that have not been achieved before by any organisation outside the United Kingdom.

DEWA strengthens ties with US Green Building Council & Green Business Certification



▶ HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, welcomed Mahesh Ramanujam, CEO of the US Green Building Council (USGBC) and Green Business Certification, to enhance cooperation in innovation, renewable energy, climate change and sustainability.

Al Tayer presented to the CEO of USGBC, DEWA's renewable and clean energy and sustainability projects that are aligned to the UAE National Agenda, the UAE Vision 2021, and the UN Sustainable Development Goals.

Ramanujam commended DEWA's efforts and initiatives, in promoting sustainability and green economy, in the UAE.

Saeed Mohammed Al Tayer inaugurates DEWA workshops in the presence of Danish Minister for Environment & Food

▶ HE Saeed Mohammed Al Tayer, MD & CEO of DEWA inaugurated the workshops that DEWA organised in its Sustainable Building in Al Quoz. The workshops reviewed and exchanged best international practices and discussed enhancing investment opportunities in electricity and water, building retrofits, energy efficiency, and sustainability. The event was attended by HE Esben Lunde Larsen, Minister for Environment & Food in Denmark; HE Merete Juhl, Danish Ambassador to the UAE, HE Morten Siem Lynge, Danish Consul General in Dubai, officials from the Danish Government, and representatives from leading energy and water companies from Denmark.

The workshops were also attended by Waleed Salman, Executive Vice President of Business Development and Excellence; Dr. Yousef Al Akraf, Executive Vice President of Business Support and Human Resources; Khawla Al Mehairi, Executive Vice President of Strategy and Government Communications, and other officials from DEWA.





DEWA organises its annual gala dinner, themed 'Be proud, we are Zayed's legacy'

DEWA organised its 9th annual gala dinner which carried the theme: "Be proud, we are Zayed's legacy" in Madinat Jumeirah in Dubai. The event, which celebrated the values of the Year of Zayed, is part of DEWA's commitment to enhancing communications with staff and providing a happy and positive work environment for them. The event was attended by HE Matar Humaid Al Tayer, Chairman of the Board of Directors of DEWA; HE Saeed Mohammed Al Tayer, MD & CEO of DEWA; Abdullah Mohammed Al Hashimi, Majed Hamad Al Shamsi, Saeed Mohammed Al Shared, and Nabil Abdul Rahman Arif, Board Members of DEWA; DEWA's Executive Vice Presidents and Vice Presidents, and around 1,200 staff.

In his keynote speech at the event, HE Saeed Al Tayer noted that DEWA organised its 9th Gala Dinner, which carried the theme 'Be proud, we are Zayed's legacy' in line with celebrating the 'Year of Zayed' in the UAE, which marks 100 years since the birth of the country's Founding Father the late Sheikh Zayed bin Sultan Al Nahyan, may his soul rest in peace.

"In the Year of Zayed, we recall the noble values and principles that the late Sheikh Zayed instilled in the hearts of UAE citizens and residents. We are also reminded of his efforts in establishing a unique, collaborative experience and

building a country that has become a role model for happiness, tolerance and acceptance. Today, our wise leadership, represented by His Highness Sheikh Khalifa bin Zayed Al Nahyan, President of the UAE; His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, and His Highness Sheikh Mohammed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces, and Their Highnesses the Members of the Supreme Council and Rulers of the Emirates, follow the steps of Sheikh Zayed, according to a vision that not only anticipates the future but also makes it, and continues the march towards development and prosperity, to make the UAE the best country in the world," said HE Saeed Al Tayer.

"'We are Zayed's legacy' is a phrase that makes us proud to be associated with the name of Sheikh Zayed, and motivates us to achieve more. However, it also carries great responsibilities. As His Highness Sheikh Mohammed bin Rashid Al Maktoum once said, "We are all the 'children of Zayed,' and his children don't hold his name and love to the nation alone, but they hold the values of his morals and indulgence and his love to all the people." At DEWA, we are guided by the vision of our wise leadership in

serving the nation, according to an integrated institutional approach to serve society. This is based on DEWA's organisational values: stakeholders' happiness, good governance, excellence, innovation, and sustainability," continued Al Tayer.

"We are Zayed's legacy is not only a slogan, but a way of life. Through our hard work, we give back to our country inspired by the values of the late Sheikh Zayed bin Sultan Al Nahyan whose legacy will live forever. We will continue to work tirelessly to undertake achievements that contribute to raising the profile of the UAE. In this way, we will be proud to be the children of Zayed," concluded Al Tayer.

DEWA staff emphasised that "Be proud, we are Zayed's legacy" truly expresses their feelings of pride to be lined with the name of the late Sheikh Zayed. They expressed their happiness to be at the annual gala dinner, and valued the care they receive from DEWA's management, noting that the event's theme will be always remembered. The staff commended the organisation and activities of the gala dinner, adding that it is an important event to promote communications among staff and the management, and establish a positive environment at DEWA that makes staff happier.



DEWA honours top energy-efficient customers as part of its pilot project to conserve water and electricity in Dubai

DEWA honoured customers who reduce their consumption, as part of the first phase of its pilot project to encourage homeowners and households across the Emirate in implementation of the Demand Side Management Strategy, to reduce energy and water demand by 30% by 2030. This is part of DEWA's efforts to support sustainable development in Dubai, boost the Emirate's efforts in reducing energy and water consumption, and conserve natural resources.

The project included direct communication with customers, through various communication channels. It provided them with customised reports explaining their consumption details, tips to reduce their consumption, and comparisons between electricity and water consumption, as well as those of neighbouring homes.

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, honoured 10 customers out of 600 customers who live in Mirdif, Dubai. This is part of the first phase of the pilot project, which was implemented by DEWA, from March to June 2017.

HRH Princess Haya bint Al Hussein visits Suqia's stand at DIHAD 2018



The UN Messenger of Peace and the Chairperson of the International Humanitarian City, HRH Princess Haya bint Al Hussein, wife of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, visited the stand of the UAE Water Aid Foundation (Suqia), under the umbrella of the Mohammed bin Rashid Al Maktoum Global Initiatives (MBRGI), during the inauguration of the 15th Dubai International Humanitarian Aid & Development Conference and Exhibition (DIHAD 2018). The event was held from 5 to 7 March 2018 at the Dubai International Convention Centre, under the patronage of HH Sheikh Mohammed bin Rashid Al Maktoum, with the United Nation's (UN) official support, along with many of the world's most prestigious aid entities.

During the visit, Princess Haya was briefed on Suqia's achievements, projects and humanitarian aid initiatives. Through its stand, Suqia highlighted its pivotal role in strengthening the UAE's position in supporting global efforts to address humanitarian challenges, particularly addressing the challenges of water scarcity by providing safe drinking water to communities suffering from scarcity and water pollution. Over 8 million people in 25 countries around the world have benefited from Suqia's projects and initiatives over the past three years.

HE Saeed Mohammed Al Tayer, Chairman of the Board of Trustees of Suqia, expressed his appreciation for the visit stating that it honours Suqia for its achievements during the previous years. Al Tayer stressed the importance of Suqia's participation in DIHAD 2018. It is an ideal platform for making partnerships, sharing knowledge, meeting global decision-makers and specialists in relief and international humanitarian work. This year's exhibition includes more than 396 organisations from different fields such as development banks, environmental solutions providers and relief tools. It is also hosted during the Year of Zayed, where Suqia is committed to present its projects and enhance international cooperation to perpetuate the national and human legacy of the late Sheikh Zayed bin Sultan Al Nahyan, to achieve the objectives of the UAE Centennial 2071, which places the Emirati people at the top of its priorities.



MD & CEO of DEWA inaugurates Marsh Energy Industry Conference

HE Saeed Mohammed Al Tayer, MD&CEO of DEWA, inaugurated the 7th Marsh Energy Industry Conference, organized by Marsh, a global leader in insurance broking and risk management, at the Westin Hotel in Al Habtoor City - Dubai.

The Marsh Energy Industry Conference is a global platform that brings together industry leaders, key influencers and international experts from more than 45 countries, to discuss the most important challenges facing the world's energy industry and opportunities for improvement, and the risks faced by energy manufacturers starting with exploring the fields of hydrocarbons to power generation and transmission. The conference also reviews the most advanced tools and methods of risk management.

DEWA awards contracts for four 400/132kV substations

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA has confirmed that DEWA awarded contracts to construct four 400/132kV substations at the same time. The contracts are worth AED 1.28 billion, with the 4 substations adding to DEWA's existing 21 400/132kV substations. This is part of DEWA's efforts to increase the capacity and efficiency of its electricity and transmission networks.

The projects included the AED 314,932,395 construction contract to Grid Solution SAS to build the Canal Garden Station, to meet expected demand growth from new projects and to reduce the load on the Gardens and Al Barsha. It is scheduled to be completed by February 2020. DEWA awarded the second contract to Siemens for the Dubai South station substation, worth AED 323,038,910 to meet growing load demand. The new substation will be built within the Dubai World Central project, and is scheduled to be completed by March 2020.

The AED 304,544,763 construction contract for the Dubai North station was awarded to Al Fanar Company to meet the growing load demand for new substations, which are being built to expand the infrastructure in and around Dubai Airport. It is expected to be completed by January 2021. The AED 338,871,270 construction contract for Shams station was awarded to ABB, to meet growing load demand resulting from the planned expansion of the 1,500 MW power production capacity using PV panels at the Mohammed bin Rashid Al Maktoum Solar park, which is expected to be completed by December 2020.

The main transmission stations are equipped with the latest digital technology, which will contribute to supporting the reliability and efficiency of these stations and ultimately serve Dubai's ambitious urban and economic plans.





HH Sheikh Mansour bin Mohammed bin Rashid Al Maktoum reviews DEWA's job opportunities and scholarships for Emiratis at Careers UAE 2018

HH Sheikh Mansour bin Mohammed bin Rashid Al Maktoum visited DEWA's stand during its participation in Careers UAE 2018. DEWA's officials briefed HH Sheikh Mansour about its initiatives in Emiratisation and scholarships, and its efforts to attract Emiratis, especially for technical and engineering jobs. HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, emphasised that DEWA is keen to take part in Careers UAE, which is a leading platform that brings together Emirati professionals and employers.

"DEWA's Emiratisation plans contribute to the development of the UAE's energy and water sector by preparing a generation that recognises the importance of professional work, and DEWA's strategy to prepare Emiratis to lead the energy and water sectors. DEWA has so far achieved excellent results in Emiratisation, with UAE nationals comprising 86% of senior management and 51% in middle management," said Al Tayer.

"DEWA has many programmes to train and prepare Emiratis in the engineering and technical fields as part of its Emiratisation plan, especially after its success in the Emiratisation of many administrative and financial jobs. We have many training programmes for Emirati students to complete their studies in the UAE or abroad in mechanical and electrical engineering, and in renewable energy," said Dr. Yousef Al Akraf, Executive Vice President of Business Support and Human Resources at DEWA.

At Careers UAE 2018, DEWA presented the scholarships it provides to Emirati students. These include a Bachelor's degree in electrical engineering, in collaboration with the Higher Colleges of Technology in Dubai (Dubai Men's College); Bachelor's degrees in either electrical or mechanical engineering in collaboration with different government and private universities; a Bachelor's degree in either electrical or mechanical engineering in collaboration

with the United Arab Emirates University; and a Bachelor's degree in electrical or mechanical engineering for 60 students in private universities; 20 scholarships in renewable energy at Sharjah University, and 10 scholarships in renewable energy in universities abroad.

DEWA also highlighted the DEWA Academy, which trains and qualifies young Emiratis both academically and practically in various technical and professional areas covering production, transmission and distribution of energy and water, and water desalination. Graduates will receive their diplomas from the UK's Business and Technology Education Council (BTEC), one of the pioneering vocational organisations in the world. The certificates are equivalent to vocational high-school diplomas, enabling graduates to work in different technical fields at DEWA. Students from the DEWA Academy present several projects at DEWA's stand at Careers UAE.

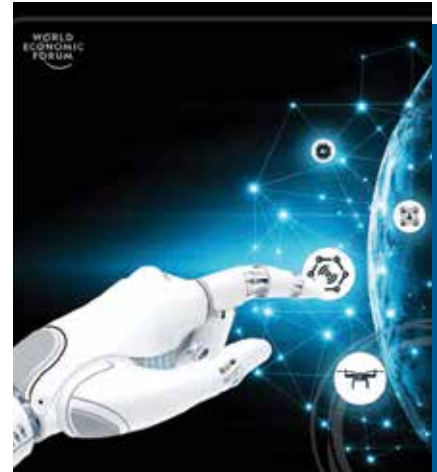


MD&CEO visits Mohammed bin Rashid Al Maktoum Solar Park

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, conducted a field visit to the Mohammed bin Rashid Al Maktoum Solar Park. The solar park shows the vision of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to promote sustainability and transform Dubai into a global centre for clean energy and green economy.

Al Tayer was accompanied by Nasser Lootah, Executive Vice President of Generation, Waleed Salman, Executive Vice President of Business Development & Excellence, Khawla Al Mehairi, Executive Vice President of Strategy & Government Communications, and Jamal Shaheen Al Hammadi, Vice President of Special Projects.

Shuaa Energy 2 briefed Al Tayer on the progress of the 800MW third phase of the solar park, which was established by DEWA, which owns a 60% stake in the company. The 800MW third phase will be completed in 3 stages over 16 square kilometres. The first 200MW stage is expected to be operational by April 2018. The 300MW second stage will be operational in the first half of 2019, and the third 300MW stage will be completed in the first half of 2020.



DEWA first utility to partner WEF Center for the Fourth Industrial Revolution

DEWA has joined the Center for the Fourth Industrial Revolution of the World Economic Forum (WEF) as a partner. DEWA is the first government utility to join the San Francisco-based centre, which includes international organisations such as Microsoft, SAP, and ABB. This is part of DEWA's efforts to keep pace with the Fourth Industrial Revolution and develop disruptive technologies in power and water.

"DEWA has joined the World Economic Forum's Center for the Fourth Industrial Revolution as a partner to keep up with the rapid developments, anticipate opportunities and challenges, and develop long-term proactive plans and disruptive technologies. The areas that we will be involved in include Artificial Intelligence (AI), Internet of Things (IoT), blockchain technologies, autonomous mobility, and drones. We will also participate in the development of international policies and criteria related to Fourth Industrial Revolution technologies. This supports our vision to become a sustainable innovative world-class utility," said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.



DEWA's efforts contribute to achieving significant savings in electricity and water use over 9 years

ACCUMULATED ELECTRICITY & WATER SAVINGS 2009 - 2017 الوفّر التراكمي للكهرباء والمياه



وفّر الكهرباء (ك.و.س)
ELECTRICITY SAVING (KWH)

1,677,075,602



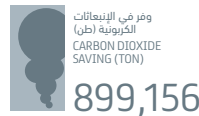
وفّر الكهرباء والمياه (درهم)
ELECTRICITY & WATER SAVING (AED)

1,037,760,141



وفّر المياه (جالون)
WATER SAVING (IG)

6,663,736,678



DEWA gives great importance to the sensible use of electricity and water in line with its efforts to achieve the Dubai Plan 2021, to make Dubai a smart, integrated and connected city whose resources are sustainable, the Dubai Clean Energy Strategy 2050, to establish a sustainable model in energy conservation that supports economic growth without damaging the environment and natural resources, as well as make Dubai the city with the lowest carbon footprint by 2050. DEWA launches several environmental programmes, initiatives, and awareness campaigns that have achieved significant savings over the past years. The incurred savings have proven that all members of society can contribute to supporting national and international efforts to limit climate change and global warming.

DEWA's programmes and initiatives have achieved significant savings in electricity and water across all sectors. Between 2009 and 2017, customers saved over 1.677 TW/h of electricity and 6.66 billion gallons of water, worth over AED 1 billion. The savings resulted in offsetting around 900,000 tonnes of carbon emissions. DEWA's programmes and initiatives managed to reduce electricity use by 19% and water by 27% in the residential sector. The commercial sector reduced electricity use by 9% and water by 29%. The industrial sector reduced electricity use by 14% and water by 28%. Educational institutions succeeded in reducing electricity use by 10% and water by 24%. Government and semi-governmental organisations reduced electricity use by 12% and water by 21%. Accumulated savings from electricity and water consumption, equate to over one million trees, more than 104 million LED light bulbs, and over 12,000 Olympic-sized swimming pools.



HE DR. ZAKI ANWAR NUSSEIBEH

Sheikh Zayed was a
true leader, father, and human

▶ HE Dr Zaki Anwar Nusseibeh, Minister of State, is one of the leading figures who witnessed the founding of the UAE. He accompanied the late Sheikh Zayed bin Sultan Al Nahyan, after he first met him in London in 1966. Dr Nusseibeh held many positions in media and research, before he then became Director of the Media Office at the Presidential Court. He was recently appointed Minister of State.

Al Masdar magazine held an exclusive interview with HE Dr Zaki Anwar Nusseibeh.

is also a great man who loved all mankind. He considered mankind as a family gathered under the umbrella of brothers and sisters, who were created to construct the land and help one another. In all his work, we saw his humanitarian side. He took care of Emiratis, Arabs, and everyone, regardless of their creed or religion.

» **Tell us about the Spirit of the Union from the perspective of the late Sheikh Zayed.**

The union was a dream for Sheikh Zayed,

before he became the President of the UAE. HH Sheikhha Fatima bint Mubarak, Mother of the Nation, said that Sheikh Zayed dreamed of uniting the Emirates since he was ruling in Al Ain. He followed the footsteps of his grandfather Sheikh Zayed I, who tried to unite the UAE in 1903 and 1905, but was unable to do so at that time. In 1964, this topic was raised to Sir William Luce, a British diplomat at that time. The British government felt this was impossible. When the British left the region in 1968, Sheikh Zayed's desire became a requirement. He

» **The late Founding Father, Sheikh Zayed bin Sultan Al Nahyan, was one of the greatest leaders, appreciated by the peoples and countries of the region and the world. He has left a great culture and human legacy. In light of the Year of Zayed, tell us about the human values that characterised his personality.**

There are many great leaders in history, such as Napoleon Bonaparte and Sir Winston Churchill, who came at a difficult stage in the history of their nation and were able to lead it to development. There were also some exceptional leaders, who rarely appeared in the history of nations. Such historical leaders overcame circumstances, and made history, with a holistic human approach to life around him. Thus, the late Sheikh Zayed was a historical and political leader who was able to unite the seven Emirates. He





saw the necessity of achieving this union to preserve the security, stability and welfare of the people of the UAE. He believed that the wealth, created by Allah in the UAE, is for the welfare of the people of the UAE, in addition to his view of helping everyone around him. There were many difficulties at the establishment of the UAE, but Sheikh Zayed had absolute confidence that this union will happen, and will keep this region safe and secure.

» **Sheikh Zayed, was an example of a great leader and a father to the people of the UAE. Tell us about the unique relationship that Sheikh Zayed established between him and his people.**

It was a father-son relationship. He was a great father to all his people and to anyone in need. The UAE went through several stages, witnessing the stages, including the stages of economic recovery. In the 1930s, the UAE witnessed a period of poverty and isolation. Sheikh Zayed felt the need to compensate his people for those years. From the very beginning, he invested in education. He said, "Wealth is not money. Wealth lies in men." He was keen on empowering his people, in education and culture, and wanted them to live freely and with dignity.

Sheikh Zayed managed to be a father and a leader, so his personality was both serious and friendly, so everyone respected him, but also felt close to him at the same time.

He was a savvy politician, an inspiring poet, and he spoke spontaneously because his words stemmed from the heart. I recall that after a meeting between Zbigniew Brzezinski, Former US National Security Adviser, and the late Sheikh Zayed, Brzezinski said that Sheikh Zayed's words come out of the heart, and that his words do not change, unlike some world leaders who speak in closed rooms with their foreign visitors, and then make clear statements. Hence, Sheikh Zayed's words

had credibility, strength and could influence global leaders.

» **The late Sheikh Zayed was a symbol of philanthropy and giving. Tell us about this side of his personality, from a local, regional and global perspective.**

I was blessed for meeting Sheikh Zayed in the 1960s. Today, his sons have the same appreciation for me. I witnessed the process of renaissance of the UAE, and I witnessed the late Sheikh Zayed's role in building this country with the founding fathers, and the people of this nation. I look to today's leadership, and think that if they lived 50 years ago, they would've followed Sheikh Zayed's same approach, for the development of the country and the people. This unique humanitarian approach left a mark on the entire region. When we look at the UAE's experience and its future development and sustainable renaissance, we realise that it renews our hope for the entire Arab region, and serves as a model for countries that wish to build the future of their peoples on solid and sustainable foundations. We want to make the Islamic and Arab civilisation a global civilization, like how it was in the past. All the UAE's projects are global renaissance projects. The UAE's message is that the future of the Arab region will not be as disappointing as it was in the past.

» **Tell us about Sheikh Zayed's role in spreading peace in the region and the world.**

Sheikh Zayed believed that God created man on this earth to construct it, and that people should cooperate with everyone, regardless of their colour, race or creed. The late Sheikh Zayed appreciated people as much as they did good in the world. Charity was an essential element of life to him, and his message was a message of love and peace. He hated war, and always asserted that wars are destructive and everyone loses in a war. But he also stated that when duty calls, we must obey. He was decisive when needed,

and adopted courageous attitudes, which is the UAE's policy and approach today.

» **Sheikh Zayed bin Sultan Al Nahyan, was always quick to sympathise with Arab crises, especially humanitarian ones. He always supported the oppressed and helped those in need, in accordance with Arab and Islamic values. Tell us about his noble personality.**

Sheikh Zayed suffered while seeing the painful events that were taking place around him. He had a strong sense of Arab nationalism, and was a strong supporter of the Palestinian cause and the Palestinian people. He also defended it, at international forums, along with other causes for justice. I believe that the UAE's leaders today follow the same approach and policy. The UAE wants to achieve security, peace and stability in this region based on justice, international resolutions and international legitimacy. This was the late Sheikh Zayed's policy.

» **Tell us about your favourite memories and personal incidents with the late Sheikh Zayed.**

I have many memories with the late Founding Father. Personally, there is a beautiful incident that I can never forget. When my father died in Jerusalem, his funeral and burial ceremony were next to the Al Aqsa Mosque, so I could not attend my father's funeral. There was a European politician talking to the late Sheikh Zayed about the Palestinian issue, when Sheikh Zayed stressed the need to resolve the issue and give back people their rights. In contrast, the European politician told Sheikh Zayed that there are several humanitarian issues that the Palestinians suffer from, for example, the father of the translator Zaki Nusseibeh passed away, but he was unable to attend his funeral. Sheikh Zayed then said that God rewarded him with a father and a family in Abu Dhabi. Indeed, his words compensated me for the great deprivation and grief that I felt at the time.

Saudi Arabia races towards clean energy



world in 2017 shows that the worldwide spending in clean energy climbed 3% to \$333.5bn in 2017. The study shows that China's investment in all clean energy technologies is USD 132.6 billion. This is an increase of 24%, and sets a new world record, followed by the United States of America, which is the second largest market for clean technologies, in terms of volume of investments. The investments in the US reached USD 56.9 billion, a 1% increase compared to 2016.

Denmark generates electricity wholly from wind power for one day

Denmark has recently been able to rely entirely on wind power for one day, partly because of the installation of a new wind-powered facility at sea, which broke the record for the largest amount of power generated from a single turbine within 24 hours. On February 22, 2018, Denmark generated enough electricity through wind turbines to supply the country with all its needs for one day. Turbines were able to generate 97GWh of electricity on a day characterised by strong winds. 70GWh was generated from facilities on land, while the remaining 27GWh were generated from offshore facilities. The electricity produced by only one type of renewable energy was enough for 10 million houses.

▶ The Kingdom of Saudi Arabia will bid to generate 4,120MW of renewable energy through 8 projects in 2018. 800MW will be offered in wind technology in 2018 out of 4,120MW of renewable energy.

In October 2017, the international consortium led by Masdar, in partnership with Électricité de France (EDF), won the rights to develop the first Skaka IPP PV solar project, a 300MW facility to be built in Al Jouf, Saudi Arabia. This consortium bid the lowest price of 1.79 cents.

India & France... The largest international solar alliance

Emmanuel Macron, President of France, and Narendra Modi, Prime Minister of India, inaugurated a major solar power plant in March 2018, set up by the French ENGIE Group, in Uttar Pradesh. This came after Macron's visit to India for the Summit of International Solar Alliance in New Delhi, with the participation of 35 countries and the presence of over 20 world leaders. It also supports the commitments made at the one-planet summit hosted by Paris in December.

The Indian government has adopted an ambitious development plan to balance development and environmental goals to reduce dependence on coal and produce 40% of electricity from renewable energy sources by 2030. It is currently working on increasing solar energy production sources to 25 times, over the next 7 years, to reach 100GW by 2022, with the help of French companies, which currently produce about

10% of solar energy in India.

Worldwide spending in clean energy climbed 3% to \$333.5bn

The latest annual study by Bloomberg on new energy finance investments around the





The sustainable city story

Berlin: City of the Future and Dreams

▶ Berlin, the capital of Germany, is considered one of the most sustainable cities that has been designed with an environment-friendly infrastructure to address climate change. Forests, parks, rivers, and lakes form one-third of its area.

Germany is ahead of European countries in relying on clean energy resources, such as the sun, wind, and water.

In mid-2016, Germany achieved an important milestone by providing an average of 95% of total energy through sustainable energy, by using wind, solar, biomass and hydropower.

Global operations centre

First Solar, the world's largest provider of large-scale solar power plants for

operations and maintenance services in the world, has opened its operations centre in Berlin, the third of its kind in the world. The new operations centre will provide leading capabilities in remote monitoring, supervision and control of real-time installations of solar assets in the EMEA region.

Smart transportation network

Berlin is characterised by environmentally friendly transportation, especially the use of a two-wheel bike, which is easy to use in Berlin due to the well-built bicycle tracks that the Government has provided for riders to easily reach all areas. There are also hundreds of bicycle trails on and off road.

The Berliner Verkehrsbetriebe (BVG),

the main public transport company of Berlin, announced that the first two passengers will test buses without a driver starting this year.

Eco Friendly products

Germany, specifically Berlin, focus on the organic, eco-friendly market, where industry and retail experts have promoted their products using terms such as 'natural materials', 'organic furniture' or 'environmental design.' The first internationally-recognised eco-friendly brand is Der Blaue Engel, the German Blue Angel. This brand is designed for low-emission flooring, wall paint, wall paper, other products made from safe and harmless material, lush and lumber furniture and eco-friendly electronic devices.