



Al Masdar

Issue 57 - December 2015
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page 8

HH Sheikh Mohammed bin Rashid Al Maktoum launches DCES 2050 & inaugurates 2nd phase of Solar Park

page 12

National Innovation Strategy

page 14

Dubai Supreme Council of Energy and DEWA participate in COP21

page 18

Dubai Solar Show



دبي الذكية
SMART DUBAI

STRATEGIC PARTNER

هيئة كهرباء ومياه دبي
Dubai Electricity & Water Authority



WE'RE PAINTING DUBAI'S FUTURE WITH RAYS OF LIGHT FROM SHAMS DUBAI



A SOLAR ENERGY INITIATIVE THAT WILL CHANGE THE SKYLINE OF DUBAI

An increasing number of households and businesses globally are installing solar panels, why should you be left behind? At DEWA, in line with the vision of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, for a sustainable and smart Dubai, we've taken the lead with our Shams Dubai initiative. We encourage you to install solar panels in your premises, to generate your own clean electricity to power your home, work place and even export surplus electricity to DEWA's network.

INSTALL SOLAR PANELS AND CONTRIBUTE TO A GREENER FUTURE, NOW.

For details on how you can be a contributor of renewable solar energy, please visit:

www.dewa.gov.ae/shamsdubai

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DUBAI, UNITED ARAB EMIRATES





**"A man has two choices, either to be a follower or a leader, and we greatly
aspire to be pioneers."**



HH Sheikh Mohammed bin Rashid Al Maktoum

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

Message from MD & CEO of DEWA



HE Saeed Mohammed Al Tayer
MD&CEO of DEWA

The UAE's 44th national day has witnessed a great deal of love and support from the citizens and residents of the country and on this special occasion, we would like to renew our loyalty and our commitment to HH Sheikh Khalifa bin Zayed Al Nahyan, President of the UAE, HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, Their Highnesses, the Members of the Supreme Council and Rulers of the Emirates, Their Highnesses the Crown Princes, the Sheikhs, the citizens and residents of the UAE, we ask almighty Allah for health, stability and security for the UAE's wise leadership.

The throats blared with national anthem in Martyr's Day and we raised our highest appreciation and gratitude to all the people of the UAE who answered the nation's call and shown their courage and their bravery in doing their duty for their nation in support of righteousness and justice. We recall our pride in the dedication, devotion and loyalty of the people of the UAE who gave their lives for their duty. We recognise the outstanding role played by the armed forces to protect our homeland, its people and the values of justice and peace.

The support that the UAE receives is a result of patriotism, hard work, loyalty, and dedication. Dubai's level of international competitiveness can be attributed to the loyalty and the efforts of the UAE's people along with the directives of our wise government. DEWA has had the honour of actively contributing to Dubai's achievements and has maintained its position as a global hub for sustainable development and green-practices, and a centre for new solar and sustainable technologies.

Since its establishment, DEWA has been making firm progress towards the adoption of innovative solutions and the concept of innovation as corporate culture and as a major pillar for sustainable development. This supports the National Innovation Strategy, launched by HH Sheikh Mohammed bin Rashid Al Maktoum, to make the UAE one of the most innovative countries in the world.

HH Sheikh Mohammed bin Rashid Al Maktoum launched the second phase of one of the largest solar energy projects in the world, the Mohammed bin Rashid Al Maktoum Solar Park to realise Dubai's strategy in building a knowledge economy improving efficiency and renewable energy initiatives especially solar energy and contribute to achieving DEWA's goal to promote sustainability in the energy supply, diversification of energy sources, and creating a work environment that encourages innovation.

The second phase of the project is the beginning of a new phase of the economy based on environmental sustainability and clean energy, realising the vision of His Highness to make Dubai the city with smallest carbon footprint in the world, and in support of the long term national Green Economy for Sustainable Development initiative launched by His Highness to build a green economy in the UAE, the UAE Vision 2021, and the Dubai Plan 2021, to make Dubai a clean smart and sustainable city with a healthy and sustainable environment, confirming of the leadership of Dubai in solar energy and creating a new sector in the region.

Our wise leadership realises the need to secure energy supplies and find alternative solutions for conventional energy and the importance of the development of renewable and alternative energy sector, including a direct impact on sustainable development.

During the UAE Innovation Week initiative launched by His Highness, we launched a range of innovations and outstanding products as we work to support the sustainable growth of Dubai

DEWA works closely with different government organisations in the UAE to develop the capabilities of our employees and increase competitiveness between the private and government sectors, to achieve the National Innovation Strategy and achieve DEWA's vision to become a sustainable, innovative world class utility.



Our Vision

A sustainable innovative world-class utility.

Our Mission

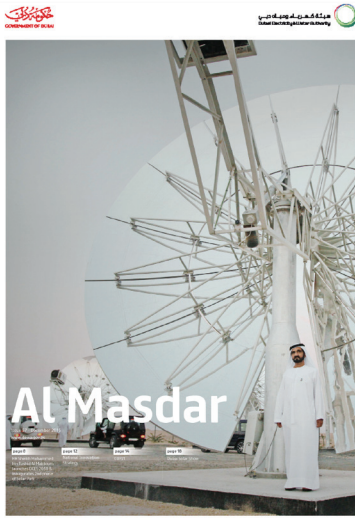
We are committed to the happiness of our stakeholders and promoting Dubai's vision through the delivery of sustainable electricity and water services at a world-class level of reliability, efficiency and safety in an environment that nurtures innovation with a competent workforce and effective partnerships;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

Our Values

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

Our Motto

For Generations to Come.



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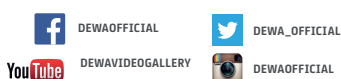
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Cover story

8



With a total investment of AED 50 billion to produce 5,000 MW of clean energy by 2030

HH Sheikh Mohammed bin Rashid Al Maktoum launches DCES 2050 & inaugurates 2nd phase of Solar Park

News

18



■ Dubai Solar Show set to be the largest of its kind in the region



■ Rammas Service

- DEWA launches revamped website
- DEWA upgrades electricity and water infrastructure
- Preferred bidder for 1st phase of 1,200 MW Hassyan Clean Coal Power Plant
- DEWA Sponsors Innovation Award
- DEWA signs MoU with NCMA



■ Electric vehicles promote sustainability

- ERM Conference 2015
- DEWA announces Release of Request for Proposal (RFP) for 800MW third Phase of the Solar Park
- Creative ideas in the Mohammed bin Rashid Smart Majlis
- DEWA organises Health and Safety Week 2015

Events

12



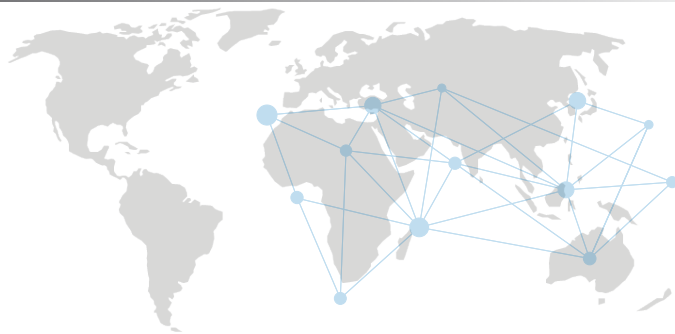
Dubai Supreme Council of Energy and DEWA participate in **COP21**



DEWA actively contributes to the **National Innovation Strategy**

Achievements

22



- UAE, represented by DEWA, ranks 1st in MENA and 4th globally in getting electricity in World Bank's Doing Business 2016 report

DEWA receives:

- Middle East Solar Awards
- Asian Smart Cities Awards 2015
- Sword of Honour in health and safety and Globe of Honour in environment by British Safety Council
- Energy Company of the Year
- 5 awards at Hamdan bin Mohammed Awards for Smart Government 2015

Opinion

38



Shams Dubai:
The sun that never sets

CSR

36



DEWA fulfills wishes of staff with special needs

Women's Committee

42



The 11th Women's Forum for Economy & Society in France

Supreme Council of Energy

32



- HH Sheikh Ahmed bin Saeed Al Maktoum honours winners of EEA 2015
- Dubai Supreme Council of Energy promotes resources sustainability
- Supreme Council of Energy and DEWA participate in 6th Desert Energy Leadership Summit
- Dubai Supreme Council of Energy and Dubai Petroleum raise the UAE flag
- DEWA to run a series of community activities to mark World Energy Day

Cover story





With a total investment of AED 50 billion to produce 5,000 MW of clean energy by 2030

HH Sheikh Mohammed bin Rashid Al Maktoum launches DCES 2050 & inaugurates 2nd phase of Solar Park

HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai has inaugurated the second project of the Mohammed bin Rashid Al Maktoum Solar Park. This project will be operational by April 2017. The Solar Park will generate 1,000 MW by 2020 and 5,000MW by 2030. His Highness also inaugurated the construction of DEWA Innovation Centre, which includes a number of research and development laboratories in clean energy and will oversee research and development projects, with a total investment of AED 500 million. HE Saeed Mohammed Al Tayer, Vice Chairman of the Dubai Supreme Council of Energy and MD&CEO of DEWA met His Highness and the guests. HH Sheikh Mohammed bin Rashid Al Maktoum was accompanied by HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai, HH Sheikh Maktoum bin Mohammed bin Rashid Al Maktoum, Deputy Ruler of Dubai and Chairman of the Dubai Technology and Media Free Zone Authority, HH Sheikh Ahmed bin Saeed Al Maktoum, Chairman of the Dubai Supreme Council of Energy, HE Mohammed bin Abdullah Al Gargawi, Minister for Cabinet Affairs, HE Dr. Sultan bin Ahmed Sultan Al Jaber, Minister of State, HE Abdullah Al Shaibani, Secretary General of the Dubai Executive Council, HE Khalifa Saeed Sulaiman, Director General of the Dubai Protocol Department, HE Ahmed bin Humaidan, Director General of Dubai Smart Government Department, HE Fatima Al Foora Al Shamsi, Assistant Undersecretary for Electricity, Clean Energy and Desalinated Water Affairs at the UAE Ministry of Energy, Eng. Ahmed Al Kaabi, Director of the Petroleum Economics Department, at the UAE Ministry of Energy, HE Ahmad Bin Shafar, CEO of Emirates Central Cooling Systems Corporation (Empower), HE Mohammad Abunayyan, Chairman of ACWA Power, HE Majed Hamad Al Shamsi, Board Member of DEWA, and other senior officials from Dubai. His Highness and the guests made a tour of

the site and different departments in the Solar Park, which is the largest single-site solar project in the world. Its capacity will be 5,000MW by 2030, with total investment of AED 50 billion. This utility-scale project is the lead project in a series of promising projects that use renewable energy to generate electricity in Dubai.

"Launching the second project of the Mohammed bin Rashid Al Maktoum Solar Park by His Highness Sheikh Mohammed bin Rashid Al Maktoum, marks the beginning of a new era of an economy that is based on environmental sustainability and clean energy. This supports the vision of His Highness for Dubai to be the city with the least carbon footprint in the world. This also supports the long-term National Green Economy for Sustainable Development initiative, launched by His Highness, to build a green economy in the UAE, and the Dubai Plan 2021 for Dubai to a smart and sustainable city whose environmental elements are clean, healthy, and sustainable. The park also affirms Dubai's leading role in solar energy and creates a new sector in the region. Our wise leadership realises the importance of providing energy supplies and finding alternative solutions to traditional energy, and the importance of developing renewable and alternative energy, because it has a direct impact on the sustainable development," said Al Tayer.

Al Tayer noted that DEWA, through the Dubai Supreme Council of Energy, has contributed to launching the Dubai Clean Energy Strategy to provide 7% of Dubai's energy from clean energy sources by 2020. It will increase this target to 25% by 2030 and 75% by 2050. Dubai Integrated Energy Strategy 2030 initially targeted the energy mix to be 71% from natural gas, 12% from nuclear and clean coal, and 5% from solar energy. After launching a tender for the second phase, DEWA has set a new record price tendered for solar photovoltaic energy, with a set tariff of 5.4 US cents per kWh. This led the Dubai Supreme Council

Cover story

of Energy to raise the targeted renewable energy mix in Dubai from 1% to 7% by 2020 and from 5% to 25% by 2030, which is a pioneering achievement that positions the UAE as a pioneer in the region in producing renewable and clean energy.

"The Mohammed bin Rashid Al Maktoum Solar Park provides promising opportunities for Dubai. DEWA is working to provide solar energy to citizens and residents in Dubai by cooperating with the most efficient and capable stakeholder to guarantee a brighter future for everyone. The park is a pioneering sustainability project because it is not only a centre for generating electricity from solar energy, but also home to a research and development centre, and an innovation centre to support renewable energy technologies, energy efficiency, and an academy to equip staff and prepare generations to come," added Al Tayer.

HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, launched the Mohammed bin Rashid Al Maktoum Solar Park, at Seih Al Dahal in early 2012. The first phase was successfully completed after one year, with a capacity of 13MW. Since the project was launched in October 2013, it has been able to produce clean energy and reduce carbon emissions and has been adopted by Dubai Executive Council as a model for clean development. The project, which covers 4.5 square kilometres, by 2030 will contribute to reducing 4 million tonnes of carbon emissions each year. This will support the green initiatives and programmes adopted by Dubai Government to reduce carbon emissions.

The first phase of the Mohammed bin Rashid Al Maktoum Solar Park was adopted by the Dubai Supreme Council of Energy, and is managed and operated by DEWA. It achieved impressive results early on, when its station produced huge amounts of electricity that surpassed forecasted results. The first phase received a considerable attention from the business and energy sectors since its launch. DEWA received several offers from international solar energy companies, reflecting the trust and interest from investors in large projects adopted by Dubai Government.

The Mohammed bin Rashid Al Maktoum Solar Park will have an interactive innovation



centre, equipped with the latest technologies in clean and renewable energy to enhance national energy skills, support business competitiveness, develop renewable energy technologies, support the development process in the whole region, and encourage social awareness about renewable and sustainable energy.

The Solar Park includes a Research and Development Centre to conduct studies on industrial and social needs, and scientific research in renewable energy. It also acts as a link between researchers and developers to develop strategies for productive and innovative ideas.

The Solar Park also has two test technologies for photovoltaic (PV) panels and for concentrated solar power (CSP). The first centre tests 30 types of PV panels from international manufacturers. The panels are studied, evaluated and tested for long-term reliability in local weather conditions. Researchers cooperate with international organisations, to study the impact of dust on PV equipment. These tests will help to develop the standards of PV products.

All of these elements contributed to DEWA winning the Best Sustainable Project of the Year in the UAE, at the 2014 MEED Quality

Awards. This is the first time this award was given to a renewable energy project in the region. DEWA also won an award for Distinguished Technical Project, for phase 1 of the Mohammed bin Rashid Al Maktoum Solar Park at the 18th Dubai Government Excellence Programme Awards (DGEP).

The park will also house several world-class facilities, including two 400/132 kV substations rated at 570 megavolt-ampere (MVA), at a cost of AED 275 million. Work is being completed according to schedule: 50% of the construction is complete, and it will be inaugurated in Q4 of 2016.

The station incorporates four parts. Key products to be supplied include eight 400 kV transformers and 11 gas-insulated switchgears (GIS). The second part has ten 132 kV transformers with GIS, three 400/132 kV transformers rated at 1,515 MVA and three 400/132 kV power transformers (ICT). The third part has a 132 kV transformer and 21 GIS. The fourth part is for control and protection.

The inauguration ceremony included a presentation about the park and its phases, the objectives of the initiative, and DEWA's development projects that balance economic development with sustainable energy and



a clean and safe environment. This includes the Sirb initiative: DEWA's fleet of high-end drones. The initiative uses drone technology to support Dubai's infrastructure and to contribute to providing efficient services. This initiative will greatly improve DEWA's operational efficiency by accelerating operations, increasing safety during regular network testing and maintenance, and accurately detecting failures. It will also help DEWA to monitor its generation, and conduct field surveys for new projects and new connections for all buildings in Dubai. This will enhance customer trust in DEWA's services and make cost-savings. The drones provide early detection by using thermal imaging to identify overhead power lines. This limits risks, reduces costs, enables quick response times and ensures accuracy, making it easier to make informed decisions. The drones use state-of-the-art upgradable technologies such as high-definition cameras that are equipped with night-vision, lasers and GPS sensors, and can measure pressure, height, magnetic fields, and use ultrasound scanning.

DEWA has launched three smart initiatives To support the Smart City initiative:

1. **Shams Dubai** encourages building owners to install PV solar panels to produce electricity. The electricity generated is used on-site and the surplus is exported to DEWA's grid. The Dubai Executive Council issued resolution number 46 for 2014 to put in place a comprehensive framework at the legislative level to connect electricity produced from solar power to the distribution system.
2. **Smart Applications** DEWA launched its smart grid strategy with a planned budget of AED 7 billion dirhams, to facilitate an efficient high-level infrastructure to support management of energy

demand and to connect renewable energy resources. The smart grid includes demand-side management, asset management, distribution automation, substation automation, system integration, and smart meters.

3. **Green Charger** establishes the infrastructure for electric vehicle charging stations in Dubai. DEWA is now building 100 vehicle charging stations in Dubai, it aims to increase the number of electric and hybrid cars in Dubai to 2% by 2020 and 10% by 2030.

DEWA actively contributes to the

National Innovation Strategy

Dubai is becoming the most innovative city in the world in accordance with the National Innovation Strategy launched by HH Sheikh Mohammed Bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, which will see the further development of innovation within the UAE as it becomes a hub for innovators and international talent. To support the National Innovation Strategy, HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of the Dubai Executive Council, launched the Dubai Innovation Strategy, which will focus on 10 different sectors and introduce 20 different initiatives with the goal of enhancing innovation across the board.

As a utility that adopts innovation as government culture, DEWA strives to achieve the vision of the country's leaders and continuously exerts efforts to develop the concept of innovation among the clean energy and water sectors. DEWA is making great progress on adopting innovative solutions for all operations in different fields. DEWA organised and held an innovation brainstorming session for employees in early 2015 in the presence of HH Sheikh Mohammed bin Rashid Al Maktoum, in a move to grow the Emirate's innovation efforts.

The session saw contributions and participation of staff by drafting and implementation relevant policies and resolutions. The event sought to probe ideas and observations that could potentially improve DEWA's performance.

DEWA's Innovation Week, Remarkable Attendance and Success

UAE Innovation Week acted as a platform from which DEWA could present their latest innovative breakthroughs. It inspired the organisation of DEWA Innovation Week, which featured a host of 30 different innovative initiatives and activities including the Government Information Lab, where real-life devices can be used to promote development, in addition to 40 state-of-the-art renewable energy and water innovations. Conducted in conjunction with DEWA's Innovation Week, the Innovation Exhibition provided DEWA staff members, innovators and emerging businesses with information regarding DEWA's most recent innovative work. The exhibi-

tion also featured services and items not yet available to the market, as well as some of the most recent research and technical concepts from China, the USA, Germany, Spain and Austria. DEWA organised talks regarding renewable energy and water under the title 'I Talk,' in addition to a Design Thinking Lab comprised of a series of workshops, spread over three days to explore challenges faced by DEWA and to discover innovative methods for overcoming them.

One of the workshops featured an initiative from the Mohammed bin Rashid Smart Majlis. DEWA also organised a Build-It-Yourself Robotics Kit competition for 500 school children from the age of six up to high school. Another activity, 'My Innovation' ('Ibtikari' in Arabic), encouraged innovators and designers from the UAE and abroad to present their innovations via the smart platform. 'My Innovation,' on the other hand, hosted various science and engineering competitions where university students and engineering specialists identified solutions for sustainability and water issues. The fifth Innovation Conference was also held as part of DEWA's Innovation Week, and saw the participation of international experts and decision makers, in addition to partners of DEWA and the employees of various Dubai-based government and private organisations. The conference was organised to address matters related to sustainability, renewable energy, and water. DEWA's latest Innovation Week was marked by launch of DEWA's Innovation Center which aims to develop renewable energy and energy efficiency technologies and promote innovations and education in the field of renewable energy and water. The Innovation Centre's objectives include adopting creative ideas and proposals from our Tawasol programme, the Creativity Lab, The Suggestions Team, and the ongoing development of creative ideas.

DEWA Adopts Innovative Ideas through the Mohammed bin Rashid Smart Majlis

DEWA has received (by November 9th 2015) 334 innovative ideas and seven (7) development comments from the Mohammed bin Rashid Smart Majlis, which was launched by HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai. The Majlis enables Dubai's residents and supporters

around the world to submit innovative ideas and comments to contribute to Dubai's journey towards becoming the smartest and fastest-developing city in the world. A high-level committee from DEWA commended Khaled Hattab from the Kingdom of Bahrain, who submitted an Idea called a Smart Portfolio. This is an online account under the building's name which the landlord can top up through various easily-accessible channels. DEWA has also recognized Waleed Al Shehhi, who proposed the installation of smart panels inside houses to control and monitor internal use, and Haitham Ba Ebeed, who suggested providing charging facilities for electric cars in villas and residential areas.

Prestigious Awards for Innovation

DEWA won two awards at the IdeasUK 29th International Conference held in 2015 for Process Improvement and Health and Safety. DEWA also received UAE Ideas Award 2014, an IdeasUK 2014 award for innovation, and was recognized at the 71st IdeasUSA conference for having the best administrative system for managing feedback. Success is a continuous process, dependent on flexible management that can respond to developments as well as qualified employees who are able to tackle any challenge they face at work.

DEWA's fifth Innovation Conference explores sustainability, energy, renewable energy and water

HE Saeed Mohammed Al Tayer, MD & CEO of Dubai Electricity and Water Authority (DEWA), has affirmed that DEWA adopts innovation as a major pillar and a core government value. He explained that this supports the directives of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to improve government performance across all sectors, encourage a culture of innovation as standard practice, develop government services, combat challenges, and contribute to improving efficiency.

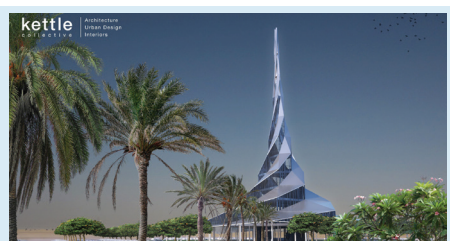
Al Tayer made these observations as part of his keynote speech during the fifth Innovation Conference, held as part of DEWA's Innovation Week. International experts participated in the conference organised at the Grand Hyatt Hotel in Dubai to discuss innovation in sustainability, renewable energy, and water.



Shams Dubai initiative.



Al Saada Park project.



Innovation Centre project.

Innovation Week activities at the DEWA head office:



DEWA's fifth Innovation Conference explores sustainability, energy, renewable energy and water



HE Saeed Mohammed Al Tayer, MD & CEO of Dubai Electricity and Water Authority (DEWA) has affirmed that DEWA adopts innovation as a major pillar and a core government value.

This supports the directives of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to improve government performance across all sectors, to encourage a culture of innovation, and to spread it as a standard process, to develop government services, combat challenges and to contribute to improving efficiency.





Dubai Supreme Council of Energy and DEWA conclude participation in COP21 in Paris



The UAE had a significant presence at the 21st United Nations Climate Change Conference (COP21) in Paris. The UAE delegation actively participated in the conference, which brought together over 150 world leaders from 30 November to 11 December 2015 to reach a new agreement to address climate change. The UAE delegation took part in a number of important discussions, reflecting the country's ongoing support and contribution to international affairs.

The delegation engaged in discussions to further enhance cooperation between the UAE and the international community to combat climate change, and further demonstrate the UAE's commitment to implementing best

practices in sustainability, building renewable energy projects, and supporting Research and Development (R&D). A delegation from the Dubai Supreme Council of Energy and DEWA, led by HE Saeed Mohammed Al Tayar, Vice Chairman of the Supreme Council of Energy and MD & CEO of DEWA, played a key role in highlighting the success of the UAE and Dubai in sustainability and renewable energy.

The UAE delegation, led by Dr. Sultan Ahmed Al Jaber, the UAE's Minister of State and Special Envoy for Energy and Climate Change, met with French Foreign Minister Laurent Fabius, President of COP21 in Paris. The meeting was attended by HE Madhed Hareb Mughir Al Khaili, UAE Ambassador to France, HE Saeed Mo-

hammed Al Tayar, Vice Chairman of the Dubai Supreme Council of Energy and MD & CEO of DEWA, and HE Dr. Thani Ahmed Al Zeyoudi, UAE Permanent Representative to the International Renewable Energy Agency (Irena) and Director of Energy and Climate Change at the UAE Ministry of Foreign Affairs.

Al Tayar delivered speeches at both COP21 and the World Climate Summit (WCS), organised by World Climate Ltd. He also launched the Green Economy Report 2016, which supports the Green Economy for Sustainable Development initiative launched by HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, and his vision of establishing

a cooperative platform to facilitate the emergence of a knowledge economy that advances sustainable development.

Al Tayer handed a copy of the report to Ólafur Ragnar Grímsson, President of Iceland, attended by Dr. Sultan Al Jaber, Minister of State and Special Envoy for Energy and Climate Change. The report showed the commitment of the UAE and Dubai to develop and implement green initiatives across all sectors, making a strong case for a green transition to a robust low-carbon economy that is strongly aligned to the UN Climate Agreement 2015

"We are here together, united in our desire to make a positive impact for the betterment of our planet and nations. To add our support to this important cause, I would like to share with you our success story in the development of a sustainable green economy. Like many of you here today, we believe in collaborating to facilitate a binding agreement in Paris 2015, to achieve the 2030 UN Sustainable Development Goals to end poverty, protect the planet, and ensure prosperity for all," said Al Tayer.

"The State of the Green Economy Report 2016 reflects our vision to build a green future for generations to come. This report is the first knowledge product which was developed to collate best practices that will contribute to knowledge sharing for the global good."

"Thanks to the vision of His Highness Sheikh Khalifa bin Zayed Al Nahyan, President of the UAE, and His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, the United Arab Emirates is working to achieve the UAE Vision 2021 to become one of the best countries in the world by 2021. The UAE has named 2015 as the Year of Innovation, with a dedicated National Innovation Strategy and a budget of USD 2.2 billion for innovation, of which 50% is for research and development. On 28 November 2015, His Highness Sheikh Mohammed bin Rashid Al Maktoum, announced the Dubai Clean Energy Strategy 2050, to make Dubai a global centre for clean energy and green economy. The Strategy has a target of 75% of all Dubai's total power output being sourced from clean energy by 2050. Our strategy involves moving from a carbon-intensive economy to a greener one, by the Dubai Green Fund, which is worth USD 27 billion, encouraging green investment and green growth," he added.

Al Tayer pointed that the strategy consists of five main pillars. The first, Infrastructure, includes initiatives such as the Mohammed bin Rashid Al Maktoum Solar Park, which is the largest single-site project to generate electric-



ity from solar energy in the world. The strategy witnessed international interest was well received by participants of the summit.

Al Tayer noted that the subjects in the report will be discussed at the World Green Economy Summit (WGES) on 5-6 October 2016 as well as at the Water, Energy Technology and Environment Exhibition (WETEX 2016) from 4-6 October 2016. He invited the participants to attend these important events in Dubai.

"Our participation forms part of the UAE Government's solid commitment to enhancing co-operation with the international community in addressing climate change and showcasing our active role in adopting the best sustainable practices through renewable energy projects and support for related research and development activities. We highlighted the Dubai Clean Energy Strategy, launched by His Highness Sheikh Mohammed bin Rashid Al Maktoum, to make the Emirate a global centre of clean energy and green economy, and increase the percentage of clean energy in Dubai to 7% by 2020, 25% by 2030, and 75% by 2050," said Al Tayer.

"The UAE is committed to economic diversity and sustainable development that focuses on implementing knowledge, innovation, and sustainable growth to guarantee economic prosperity. The country will continue to launch ambitious initiatives in renewable energy and put effective mechanisms in place to limit carbon emissions."

Saeed Mohammed Al Tayer visited DEWA's stand at the exhibition within the 21st Conference of the Parties, and was received by Michel Vilair, Managing Director of Reed Exhibitions, the organiser of the exhibition. The stand drew large crowds of visitors, showing interest in DEWA's latest work with a focus on innovation

as a major pillar of government work. DEWA showcased its current and future projects and programmes related to energy efficiency, renewable and clean energy, innovation and sustainability, as well as its latest smart services and initiatives.

The Mohammed bin Rashid Al Maktoum Solar Park, the biggest single-site solar projects in the world based on the Independent Power Producer (IPP) model, attracted a large number of visitors, and energy and environment experts alike. The solar park will generate 1,000 megawatts (MW) of electricity by 2020 and 5,000 MW by 2030. By 2030, the Park will contribute to reducing 6.5 million tonnes of carbon emissions each year. This supports the green initiatives and programmes by Dubai Government to reduce carbon emissions.

DEWA operates the solar park whose 13MW first phase became operational on 22 October 2013. The 200MW second phase will be operational in April 2017.

The solar park includes an interactive innovation centre, and an R&D centre that tests different photovoltaic (PV) panels and concentrated solar power (CSP) technologies.

DEWA also showcased its three smart initiatives that support the Smart Dubai initiative to transform Dubai into the smartest city in the world, improve the quality of life and achieve the Emirate's sustainable development. The first initiative, Shams Dubai, encourages building owners to install PV panels on rooftops to generate electricity and connect it to DEWA's grid. This will help diversify energy resources, promote the use of renewable energy, and increase the latter's percentage in total electricity production. The second initiative is called Smart Applications and Meters, which uses smart applications to speed up service connec-

Events

tion, improve response times, and encourage better use of energy. DEWA has implemented a strategy and a roadmap of smart electricity and water grids worth AED 7 billion to build a solid infrastructure to better support energy demand management and connect renewable energy resources. DEWA has begun laying out the infrastructure for smart meters and it plans to install more than one million new units of these advanced meters for new subscriptions, with the existing mechanical and electro-mechanical units scheduled for replacement in the coming years. The third initiative, the Green Charger, establishes the necessary infrastructure to build charging stations for electric vehicles in Dubai to encourage using them.

Al Tayer also showcased Dubai's practices in water desalination using environmentally-friendly technologies, during the panel discussion during the launch of 'Global Clean Water Desalination Alliance – H2O minus CO2,' which was attended by Dr. Al Jaber.

The panel discussion was moderated by Jean-Louis Bal, President of Syndicat des Energies Renouvelables in France. The panel was attended by Ahmed Belhouli, CEO of Masdar, Paddy Padmanathan, CEO of ACWA Power, Jean-Louis Chaussade, CEO of Suez Environnement, Rapahel Schoentgen, VP of Research at Engie, and Andrea Watson, Head of Strategy and Integrated Applications at the US National Renewable Energy Laboratory.

Al Tayer also participated in a discussion panel at the opening of the World Climate Summit at Hotel Potocki in Paris. Manuel Pulgar-Vidal, Minister of State for Environment in Peru was the keynote speaker at the session. The discussion panel was moderated by Yves de Boer, Secretary General of the Global Green Growth Institute (GGGI) and former head of the United Nations Framework Convention on Climate Change (UNFCCC). John Bryant, Chairman and CEO of Kellogg, Huang Ming, Chairman and CEO of Himin Solar, Anders Runevad, Group President and CEO of Vestas, and John Woolard, Vice President of Energy at Google, participated in the discussion panel.

Al Tayer highlighted Dubai's achievements in implementing best international practices in energy security, energy efficiency and energy demand side management based on the Dubai Integrated Energy Strategy 2030 to reduce energy demand by 30%.

"In Dubai, we are retrofitting 30,000 existing buildings. Informing individuals on how to save energy and reduce waste by rationalising electricity and water use is a top priority for a brighter future, for generations to come.



Realising the importance of this issue, DEWA has launched the Conservation Awards –For A Better Tomorrow. Annual campaigns and initiatives also raise society's awareness about preserving natural resources. These initiatives managed to achieve significant successes in saving electricity and water," said Al Tayer.

Al Tayer noted that DEWA adopts the latest technological solutions to ensure the highest levels of availability, reliability, and efficiency in all its services. DEWA's results are one of the best internationally for customer minutes lost per year. DEWA's figures reached 4.9 minutes, which is one of the lowest statistics in the world, compared to 15 minutes recorded by leading international utilities. Losses in power transmission and distribution networks were reduced to 3.26%, compared to 6-7% in Europe and the USA.

Al Tayer delivered a speech in a session entitled the Lima-Paris Action Agenda, organised by the International Renewable Energy Agency (IRENA) in Paris.

Al Tayer emphasised that the UAE is a pioneer in the transition towards a green economy, implementing green initiatives, adopting economic diversification and its commitment to achieving sustainable development, based on knowledge, innovation, and sustainable green growth, to achieve economic prosperity. This is achieved by launching ambitious initiatives in renewable energy, solar energy, smart grids and developing a strategy to reduce carbon emissions.

"We will continue our efforts with the Dubai Carbon Centre of Excellence, formed in partnership with the United Nations Development Program, to develop Clean Development Mechanisms to reduce greenhouse gas emissions to pre-industrial levels to support this goal. Furthermore, His Highness has committed a USD 136 million (AED 500 million) fund

that will be invested directly in research and development for next-generation clean energy sources. And Dubai will host the Solar Decathlon Middle East in 2018 and 2020 to bring solar power and sustainability even closer together through innovation," said Al Tayer.

"The UAE has submitted its Intended Nationally-Determined Contributions (INDCs) to the UN Framework Convention on Climate Change (UNFCCC), together with 145 other countries, to tackle climate change, especially in terms of environmental stewardship of energy by conserving our natural resources, such as the increase of renewable targets I have mentioned, and the Dubai Supreme Council of Energy's Carbon Abatement Strategy to reduce carbon emissions by 16% by 2021. Collectively, the INDCs can slow the rise in temperature. Although they are not sufficient to limit global temperature rising to the recommended level of 2 degrees Celsius this century, the INDCs assessed in the Emissions Gap report represent a historic step in the de-carbonising of our economies. To close the gap and limit the global temperature rise to 2 degrees Celsius by 2100, it is essential that a new universal climate agreement is adopted by governments at COP21," explained Al Tayer.

"Financing a transition to a low-carbon world requires determined and timely deployment of smart public policies. The Dubai Green Fund proposed by Dubai Clean Energy Strategy 2050 will contribute over USD 27 billion towards clean energy projects in the Emirate and will establish a Free Trade Zone specifically for green investments. Dubai is already making best use of Public-Private Partnerships to make these projects a reality, as proven by Dubai getting the world's lowest tariff for utility scale solar power."

"Climate change is a reality, and something our nation is not just talking something about,



but is actively doing something about. Our nation takes its commitments and the vision of its leaders very seriously. We will make that brighter future for your children, our children, and their children. I trust that we are all united in this goal," concluded Al Tayer.

The delegation from the Dubai Supreme Council of Energy and DEWA has met with decision-makers and CEOs from energy, water and environmental businesses in France during their participation in COP21 in Paris.

A special briefing was held with a number of French government organisations such as the French Business Council, the Movement of the Enterprises of France (MEDEF), the Renewable Energies Syndicate (SER), the French Trade Commission, UBI France, the French Business Council in Dubai, and the French embassy in

the UAE.

DEWA's stand, especially the Mohammed bin Rashid Al Maktoum Solar Park and the UAE Water Aid initiative, received a high level of interest from visitors especially that information was presented on smart platforms.

The UAE Water Aid initiative works to provide potable water to the needy, the disadvantaged, and those who are in distress around the world. It contributes to finding permanent and sustainable solutions to water scarcity around the world.

The last day of the exhibition saw the attendance of HE Ahmed bin Amir Humaidi, Qatar's Minister of the Environment, a delegation from the French Ministry of Foreign Affairs, a delegation from Energy and Climate Change department of the UAE Ministry of Foreign Af-

fairs including HE Matar Al Niadi, Undersecretary for the Ministry of Energy, HE Abbas Ali Al-Naqi, Secretary General of the Organisation of Arab Petroleum Exporting Countries (OAPEC), a delegation from Qatar General Electricity & Water Corporation (KAHRAMAA), a delegation from the Energy, Mineral Resources, Water and Environment Ministry of Estonia, a delegation from the Moroccan National Office for Electricity and Water, and a delegation from the African Climate Resilient Infrastructure Summit (ACRIS), organised by The African Union.

DEWA was invited to join the summit by the ACRIS delegation and received invitations from other German, Swiss, and Dutch companies.

DEWA's stand attracts large turnout at COP21

DEWA's stand at the exhibition at the 21st Conference of the Parties to the 1992 United Nations Framework Convention on Climate Change (COP21) took place in Paris and drew large crowds of visitors, who showed great interest in DEWA's latest achievements that focused on innovation as a major pillar of government work.

DEWA displayed its current and future projects and programmes related to energy efficiency, renewable and clean energy, innovation and sustainability, as well as its latest smart services and initiatives.

"Our participation in this international event comes in line with the wise leadership's vision as part of our strategy aimed at enhancing the competitiveness and position of Dubai and the UAE on the international arena and attracting investments in energy sector," said HE Saeed Mohammed Al Tayer,

Vice Chairman of Dubai Supreme Council of Energy and MD&CEO of DEWA.

"At COP21 exhibition, we displayed DEWA's strategies and achievements and shed light on the Dubai Clean Energy Strategy 2050 launched by HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, at the end of UAE Innovation Week, to make Dubai an international hub for clean energy and a green economy."

"The goal of this strategy is to increase the percentage of clean energy in the Emirate to 7% by 2020, 25% by 2030, and 75% by 2050.

One of the biggest projects of DEWA is the Mohammed bin Rashid Al Maktoum Solar Park, which is one of the biggest single-site solar energy projects in the world" added Al Tayer.

"We are also showcasing DEWA's smart initiatives that support the 'Smart City' initiative to transform Dubai into the smartest city in the world, improve the quality of life and achieve sustainable development in the Emirate. The first initiative is Shams Dubai, The second initiative is 'Smart Applications and Meters' and The third initiative, which is the "Green Charger," said Al Tayer.



Events

Dubai Solar Show

set to be the largest of its kind in the region

Dubai Electricity and Water Authority (DEWA) is organising the first Dubai Solar Show, in conjunction with the 18th Water, Energy, Technology, and Environment Exhibition (WETEX 2016), which is organised under the directives of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, and under the patronage of HH Sheikh Hamdan bin Rashid Al Maktoum, Deputy Ruler of Dubai, Minister of Finance and President of DEWA, from 4 to 6 October at the Dubai International Convention and Exhibition Centre.

Dubai Solar Show will cover approximately 13,000 square metres and will attract exhibitors from around the world.

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA made the announcement at a press conference by at Grand Hyatt hotel in Dubai. The conference was attended by Dr Yousef Ibrahim Al Akraf, Chairman of the sales & logistical support committee for WETEX, Khawla Al Mehairi, Chairman of the marketing and media committee for WETEX, and Jamal Hammadi, VP of Special Projects-Strategy & Business Development, and many representatives from the Dubai Supreme Council of Energy and Dubai Electricity and Water Authority and media outlets.

"I am pleased to welcome you to this conference to announce the first Dubai Solar Show, which will be organised by Dubai Electricity and Water Authority in conjunction with the 18th Water, Energy, Technology, and Environment Exhibition (WETEX), from 4-6 October 2016. WETEX is held under the directives of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, and under the patronage of His Highness Sheikh Hamdan bin Rashid Al Maktoum, Deputy Ruler of Dubai, Minister of Finance, and President of DEWA," said Al Tayer.

In his speech, Al Tayer pointed out that analysts expect that by 2030, the solar market will increase ten-fold, and solar will become



the main source of electricity around the world. Solar energy is forecasted to generate \$5 trillion in revenue over the next 15 years, displacing fossil fuels.

"The significant development of solar photovoltaic technologies, combined with 75% drop in cost over the past 10 years, have made it a popular option in various parts of the world to increasingly rely on solar energy. The cumulative capacity of solar energy now stands at about 185GW. Solar power additions in 2015 alone are estimated at about 50GW, up from 37 in 2014. This is clearly reflected in the Middle East. According to the Middle East Solar Industry Association, only 70MW of solar PV projects were awarded between 2006 and 2013 across the region, while projects of 294MW were awarded in 2014 alone. This is a four-fold increase in demand for solar energy in one year compared to the seven previous years combined," added Al Tayer.

"Earlier this year, DEWA signed an Independent Power Producer agreement to generate 200MW at the Mohammed bin Rashid Al Maktoum Solar Park, to be operational by April 2017. Last month, HH Sheikh Moham-

med bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, inaugurated the second project of the Solar Park, the largest single-site project of its kind in the world, based on the IPP model. It will generate 1,000MW by 2020, and 5,000MW by 2030, with total investments of AED 50 billion. His Highness also launched the Dubai Clean Energy Strategy 2050, to make Dubai a global centre of clean energy and green economy, and provide 7% of Dubai's energy from clean energy sources by 2020, 25% by 2030 and 75% by 2050. Dubai also aims to install solar panels on the roofs of all buildings in Dubai by 2030. DEWA has already launched Shams Dubai initiative to encourage building owners to install photovoltaic panels to generate electricity and connect it to DEWA's grid," added Al Tayer.

"The UAE, under the directives of our wise leadership, has taken an early start to bid farewell to the last drop of oil. At DEWA, we encourage research and development in solar energy. DEWA Innovation Centre will oversee research and development projects with a total investment of AED 500 million. We will also host the Solar Decathlon Middle

East, which was created through an agreement between the Dubai Supreme Council of Energy and Dubai Electricity and Water Authority, and the United States Department of Energy. Participants will be university students from all over the world. Dubai will host the first two rounds of the Solar Decathlon, which is held for the first time in the Middle East and Africa. Dubai will host the first decathlon in 2018 and again in 2020 to coincide with World Expo in Dubai, whose theme 'Connecting Minds, Creating the Future' fits well with this distinguished international competition," said Al Tayer.

"As the world's renewable energy industry continues to rapidly grow, DEWA is organising the first Dubai Solar Show, which will be the largest of its kind in the region. It will be held in conjunction with the 18th Water, Energy, Technology, and Environment Exhibition (WETEX) 2016 from 4 – 6 October 2016 at the Dubai International Convention and Exhibition Centre. It will cover approximately 13,000 square metres, and will welcome exhibitors from around the world."

"Dubai Solar Show will be a key platform for the public and private sectors to make deals, build partnerships, review the latest solar-energy technologies, learn about current and future projects in the region and market needs, and explore opportunities to take part in solar-energy projects and programmes. Organising the show in conjunction with WETEX and the World Green Economy Summit is a chance to reach thousands of exhibitors, participants, officials, and decision makers in the UAE, the Arabian Gulf, and the Middle East as a whole."

"Participants and visitors can avail of the busy agendas of the two events which feature conferences, workshops, and specialised activities. They can also meet experts and specialists from around the world to discuss developing solar energy and expanding its adoption in the region to achieve the sustainable development and ensure a sustainable future for us and for generations to come," said Al Tayer.

"I invite all companies and organisations working in solar technologies to take part in Dubai Solar Show and explore the various investment opportunities offered by this promising sector," concluded Al Tayer.



Electric vehicles promote sustainability

Electric cars, batteries and charging stations advances interest



The world has made impressive technological advances with electric cars, in keeping with the modern world's focus on developing vehicles that use less fuel. The advancement in electric vehicle technology has accelerated over the past decade, and many renowned global automobile companies have gone in the direction of producing, or making plans to produce, electric cars. Electric car batteries are recharged at dedicated charging stations, just like a petrol station.

Automobile manufacturers are in a race to develop electric cars that can run longer distances without recharging by using high-quality batteries.

DEWA started installing and managing the required infrastructure to power these vehicles in line with the Smart Dubai initiative launched by HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai to make Dubai the smartest city in the world. DEWA recognises that more and more people are attracted to

the concept of using a cost-efficient, clean car that preserves a clean and sustainable environment. DEWA installs and manages the required infrastructure to supply cars with electric power, to decrease air pollution and preserve the environment.

"Inspired by the vision of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, DEWA works to achieve its development goals, which support the UAE Vision 2021 and the Dubai Plan 2021. The strategic objectives of these initiatives support the long-term national Green Economy for Sustainable Development initiative, to establish the UAE as one of the global leaders in this area, and a global hub for exporting and re-exporting green products and technologies, while maintaining a sustainable environment that supports economic growth in the long run," said HE Saeed Mohammed Al Tayer, MD and CEO of DEWA.

"Our objective for the transition towards the smartest city in the world is to achieve

the happiness of society and provide instant and seamless smart services anytime, anywhere, and support the overall transition towards sustainability, including energy sustainability," said Al Tayer.

"Dubai has all the elements to reach top positions globally and has become a leading global hub for trade, finance, tourism, and green economy. The Green Charger initiative will hugely and effectively contribute to boosting the spread of electric cars in Dubai, which will decrease the carbon footprint of the Emirate," added Al Tayer.

DEWA opened the first charging station in February and installed 16 Green Charger stations for public use. Twelve stations were built at DEWA offices that can charge 24 cars at once. Four charging stations have been installed at the Dubai Silicon Oasis and Dubai Design District (D3).

DEWA will increase its use of electric cars in the near future to support the transition towards green transportation and the move towards green solutions in Dubai. DEWA is continually staying up to date on the latest



updates in this field and conducts research and development to make Dubai a leader in electric vehicles.

The concept of electric cars is based on the use of electricity as an alternative to fuel. Electric cars achieve an important goal: to preserve the environment by using less energy and water.

DEWA adds 8 electric cars to its fleet

DEWA has added 8 fully-electric cars to its fleet, becoming the first government organisation in Dubai to use cars that only use batteries.

DEWA aims to implement the Dubai Green Transport initiative and encourage the use of sustainable transportation with hybrid and electric vehicles, which will cut total carbon emissions in Dubai.

"In line with the strategy to reduce carbon emissions in Dubai by 16% by 2021, we take pride in being the first government organisation to add high-performance electric cars to its fleet. This move supports Dubai's ambition to achieve a 10% increase in the total number of hybrid and electric

cars in use by 2030. DEWA is the first public utility to make this ambition a reality," said Al Tayer.

"DEWA is making history by beginning a new phase of adopting green transportation solutions in Dubai. We are confident that the infrastructure of charging stations will encourage everyone in Dubai to deploy electric vehicles in their operations, and we hope individuals will also join in the initiative as well," added Al Tayer.

Types of Charging Stations for Electric Vehicles

DEWA has invested in the latest technologies to stay up-to-date with global trends based on the development of electric car batteries, the reduction of the time to charge cars from hours to minutes, and the decrease in weight and cost.

DEWA has also established a strong foundation to accelerate the use of electric cars across the Emirate, powered by a world-class advanced infrastructure.

DEWA is setting up three types of charging stations. Fast-charging stations that take

20-40 minutes will be installed at petrol stations. Medium-charging stations that take 2-4 hours will be installed in shopping malls, parks, and offices.

Home charging stations that take 6-8 hours to charge.

Partnerships to achieve Green Charger initiative

DEWA collaborates with relevant stakeholders and signs MoUs with pioneering entities to support the Green Charger initiative.

These include car dealers, national airports, shopping malls, petrol stations, Dubai Municipality, RTA, hotels, and owners and operators of parking lots in Dubai.

Electric vehicle owners can visit any of DEWA's customer service centres to register and get the Green Charger card.

The documents required for registration are the user's Emirates ID card, driving licence and vehicle registration. Customers will receive their Green Charger bills via email, which they can settle using any of DEWA's payment channels.

For the third time in a row

UAE, represented by DEWA, ranks 1st in MENA and 4th globally in getting electricity in World Bank's Doing Business 2016 report



The UAE, represented by DEWA, has been ranked 1st in the Middle East and North Africa (MENA), and 4th globally in getting electricity, for the third consecutive year, according to the World Bank's Doing Business 2016 report, which measures doing business in 189 countries around the world. The UAE has made this achievement despite expanding the focus of the indicator sets in the report to be more comprehensive.

"The ranking of the UAE as the first in the Middle East and North Africa and fourth globally, adds to the UAE's roster of achievements and top positions in different fields, and underlines its competitiveness and excellence compared to many developed countries around the world," said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.

"At DEWA, we adhere to the directives of His Highness Sheikh Mohammed bin Rashid Al Maktoum, to improve government services, make our citizens and residents happier, and more satisfied with our services. Our aim is to contribute to the excellence of the UAE and enhance its competitiveness to achieve the UAE Vision 2021," said Al Tayer.

"The status the UAE has reached globally is the result of the concerted efforts of local and federal work teams."

"As His Highness Sheikh Mohammed bin Rashid Al Maktoum once observed, "Working as a team, everybody takes part in building the UAE,"" added Al Tayer.

DEWA's results are among the best internationally. DEWA's customer minutes lost per year in 2014 was 4.9 minutes,

compared to 15 minutes recorded by leading utilities in the European Union. DEWA has achieved several milestones globally, surpassing major European and American companies in different areas.

For example, losses in power transmission and distribution networks decreased to 3.26%, compared to 6-7% in Europe and the USA. Water network losses decreased to 9.1%, compared to 15% in North America.

DEWA wins 5 awards at Hamdan bin Mohammed Awards for Smart Government 2015



DEWA won five awards at the 3rd Hamdan bin Mohammed Award for Smart Government 2015, organised by The Dubai Model Centre of the General Secretariat of the Executive Council of Dubai. The categories included Best m-Government Service Award for DEWA's App, the City Makers' Prize for the Red Team, which includes Dubai Municipality, RTA, and the Mohammed bin Rashid Housing

Establishment, and the Best Partnership with the Government Category for the Red Team's TM initiative, which includes DEWA, Dubai Municipality, RTA, and the Mohammed bin Rashid Housing Establishment. The Business Sector Services app by DEWA, RTA, and Dubai Municipality won the Customer Life Category (Integrated mApp) category. DEWA's Khalifa Al Anazi won the Best Service Star Category.

DEWA awarded Sword of Honour in health and safety and Globe of Honour in environment by British Safety Council



DEWA has been awarded both the Sword of Honour for health and safety, and the Globe of Honour for environment from the British Safety Council. Dr. Yousef Al Akraf, Executive Vice President of Business Support and Human Resources at DEWA, received the awards at an awards ceremony at Drapers' Hall in London.

DEWA is one of seven organisations worldwide to receive the Globe of Honour, which it achieved for the 4th year running, and one of 50 organisations worldwide awarded with the Sword of Honour, which it achieved for the 8th year in a row. DEWA is one of seven organisations globally to receive both awards.

DEWA wins 2 awards at Middle East Solar Awards



DEWA has received the awards for Best Roof-top Solar Project of the Year and Best Government Entity Effective Policy of the Year at the 2016 Middle East Solar Awards. The awards were given in recognition of DEWA's successes at the Mohammed bin Rashid Al Maktoum Solar Park project

and its Shams Dubai initiative to regulate solar energy generated from buildings by photovoltaic solar panels and their integration into DEWA's power grid.

The awards recognised the accomplishments made by DEWA in the region's solar energy sector.

Asian Smart Cities Awards 2015



DEWA received two awards at the Asian Smart Cities Awards 2015, which was organised by the Asian Leadership Summit, and held at Taj Dubai Hotel in Burj Khalifa, under the theme "Asian Sustainability Pioneers". Many of Asia's top public and private

organisations took part in the ceremony, where many initiatives and projects were nominated and discussed.

DEWA won in two categories, 'Smart Utilities Initiative' and 'Smart Technology for Smart City'.



Energy Company of the Year
Gulf Business Industry Awards 2015



First government entity in Dubai to receive
DEWA's CSR efforts recognised by MVO 8000 certification and ISO 26000



Renewing Health, Safety, and Environment systems

1. ISO 2004:14001
2. ISO 2008:9001
3. OHSAS 2007:18001

DEWA organises 2nd annual Enterprise Risk Management Conference



DEWA has organised the 2nd annual Enterprise Risk Management Conference 2015, at Madinat Jumeirah, Dubai. The conference was held under the patronage of HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of the Dubai Executive Council, and in partnership with the Institute of Risk Management (IRM). The conference promoted enterprise risk management in regional organisations, and raised awareness about risk management in the public and private sectors.

HE Saeed Mohammed Al Tayer, MD and CEO of DEWA, highlighted in his speech the importance of enterprise risk management policies, and related practices and expertise.

Al Tayer also received the ISO 31000 certificate from the British Standards Institution.

DEWA has built a risk management system according to the certificate's requirements, to ensure achieving its strategic objectives by developing policies, procedures, and guidelines related to safety and mitigating negative impact of risks if they occur.

The conference was attended by HE Abdullah Abdul Rahman Al Shaibani, Secretary General of the Dubai Executive Council, HE Maj Gen Mohammed Ahmed Al Marri, Director General of the General Directorate of Residency and Foreigners Affairs in Dubai, HE Dr. Rashid Al Leem, Chairman of Sharjah Electricity and Water Authority, HE Ahmed Al Muhairbi, Secretary General of the Dubai Supreme

Council of Energy, Executive Vice Presidents and Vice Presidents of DEWA, participants from the public and private sectors, representatives from IRM, risk management experts and professionals.

"The objective of this conference whose theme is World Risk 2015, and is held in partnership with the UK IRM, is to promote the concept of enterprise risk management, and build awareness about it, especially among government organisations in Dubai," said Al Tayer.

"Risk management, and cyber risks in particular, is a major international topic that countries discuss," said Al Tayer.

Creative ideas in the Mohammed bin Rashid Smart Majlis



DEWA has received 334 innovative ideas and 7 development comments from the Mohammed bin Rashid Smart Majlis, which was launched by HH Sheikh Mohammed

bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai. The Majlis enables Dubai's residents and supporters to send innovative ideas

to make Dubai the smartest and fastest-developing city in the world. HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, heads a committee to review these ideas. These are either implemented, sent to relevant government bodies, or studied further. DEWA has implemented 3 ideas so far and honoured the suggestors.

DEWA announces Release of Request for Proposal (RFP) for 800MW third Phase of the Mohammed bin Rashid Al Maktoum Solar Park



To support the Dubai Clean Energy Strategy 2050 launched by HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to make Dubai a global centre of clean energy and green economy, and is progressing its increasing clean energy.

His Highness announced during the inauguration of the 200MW second phase of the Mohammed bin Rashid Al Maktoum Solar Park, that 75% of Dubai energy will come from clean energy by 2050 and 25% by 2030. The second phase will be operational by 2017. The park will generate 1,000MW by 2020 and 5,000MW by 2030.

DEWA increased the share of renewable energy targets in Dubai's energy mix to 7% by 2020 and 25% by 2030, to support the vision of His Highness and released a request for Expressions of Interest (EOI) for the 800MW third phase of the park on 8 September 2015, receiving 95 EOI responses on 29 September.

DEWA received 21 RFQ responses from international IPP bidders and consortium partners on 29 November 2015. The RFP was released to qualified bidders on 28 December 2015.

"The project is based on the IPP model and is another milestone that will put Dubai and the UAE at the forefront of the region in producing renewable and clean energy and supports the vision of HH Sheikh Mohammed bin Rashid Al Maktoum. The response to RFP project's tender is expected to be received towards the end of the 2nd quarter of 2016," said HE Saeed Mohammed Al Tayer, MD&CEO of DEWA.

MoU with Seven Tides International



DEWA has signed a Memorandum of Understanding (MoU) with Seven Tides International, a Dubai-based luxury hospitality developer and holding company, to enhance cooperation between the two parties, to achieve DEWA's three smart initiatives: Shams Dubai, Smart Applications and Grids and Green Charger.

The MoU will encourage building owners to install photovoltaic solar panels to generate electricity, and develop smart applications to speed up electricity connections.

It aims to guarantee fast response times for the immediate reconnection of electricity during power outages, in addition to smart consumption, using smart meters, to enhance the happiness of residents and citizens. The MoU also intends to improve the sustainability of natural resources, in addition to establishing an infrastructure for electric vehicle charging stations.

WETEX signs MoU with Kallman Worldwide



HE Saeed Mohammed Al Tayer, MD & CEO, DEWA, President and Founder of the Water, Energy, Technology, and Environment Exhibition (WETEX 2016), recently signed a memorandum of understanding (MoU) with Tom Kallman, President and CEO of Kallman Worldwide, which organises US National Pavilions' participation in exhibitions and conferences in the Middle East and North Africa, to promote the 18th WETEX in the US and boost American companies' participation. DEWA is organising WETEX under the directives of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, and under the patronage of HH Sheikh Hamdan bin Rashid Al Maktoum, Deputy Ruler of Dubai, Minister of Finance, and President of DEWA, from 4 – 6 October 2016 at the Dubai International Convention and Exhibition Centre.

DEWA signs MoU with NCEMA



DEWA has signed a Memorandum of Understanding (MoU) with the National Crisis and Emergency Management Authority (NCEMA), to enhance cooperation and teamwork between both parties, and allow further exchange of knowledge in the disaster management field.

"With the signing of this MoU, we seek to continue our efforts towards achieving the directives of our wise leadership, by providing high living standards, and by making the UAE a global provider of world renowned services, to the benefit of citizens and residents. This falls in line with DEWA's strategic risk management plans, to improve risk management preparations, and to identify roles and responsibilities in case an emergency were to occur, and to reinforce Dubai's status as a cosmopolitan city," said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.

Rammas service

DEWA showcases its latest innovations and technologies



What is Rammas service?

DEWA contributes towards Dubai's transition into a smart city by adopting smart, integrated, and connected technologies that enhance its leadership in all areas. DEWA has launched a beta version of its Rammas artificial intelligence service. DEWA is one of the leading government organisations to use this technology. This emphasises its commitment to adopting technological innovation as a key approach in its operations. Rammas acts as a virtual employee available round the clock on DEWA's smart app to reply to customers' enquiries. Rammas provides an innovative form of service delivery. It can accommodate a huge amount of data simultaneously, search customers' records to find

what they need, and answer their queries straight away.

What makes Rammas different from other services?

The service automatically adapts and develops to keep up with different customer requests and changes in the nature of queries and DEWA's services.

This enhances efficiency, making it easier for customers to get the service they want, making them happier.

The service can predict a customer's electricity and water usage for the next six months, taking into account elements such as humidity and temperature that may affect the energy usage.

The service's abilities mirror those of an actual employee. It learns from experience, and can understand customer needs based on enquires. The service accurately answers customers' enquires by analysing and evaluating available data and information.

What languages is the service available in?

The service is currently available in English. It will be able to understand different accents and comprehend different pronunciations of words, enabling customers to make easy use of the service.

Rammas supports both verbal and written means of communication, which can be combined to make enquiries and get the required answers.

What is special about DEWA's smart App? What services does it provide?

1. DEWA recently launched an updated version of its smart application, to provide its customers with a unified and seamless experience when using it. The app is both efficient and easy-to-use. It combines many features, which enrich the user's experience. The app introduces a new and innovative way of displaying services by providing a single integrated package that includes all services and features on its homepage. As soon as users open the homepage of their accounts, they can find services including bills, charts, and usage comparison. The updated app gives users the option to add other accounts to their main account so that they can manage more than one account at the same

time. They can add a photo for each account to identify them instead of memorising account numbers.

2. DEWA's app features services such as the Hayak initiative, which is a communications channel that allows customers to directly communicate with DEWA's call centre staff using video or chat technology. It also includes the Ash'ir (Arabic for 'to signal') service, which is a communications channel dedicated to speech- and hearing-impaired customers. They can directly communicate with the contact centre staff round the clock using sign language.

3. DEWA's app serves all its stakeholders. These include customers, businesses, the government, and job seekers.

4. DEWA offers its services via its smart



application, which supports a wide range of operating systems, which include iOS, Android, Blackberry, Windows, Samsung entertainment devices, Samsung Gear watches, Apple Watches, as well as Etisalat's online eLife.

DEWA launches revamped website



HE Saeed Mohammed Al Tayar, MD & CEO of DEWA, has launched DEWA's revamped website, offering visitors an improved experience that provides efficiency and happiness for all its customers and stakeholders. This step supports the directives of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to improve government services to world-class standards. "At DEWA, we work according to the futuristic vision of His Highness Sheikh Mohammed bin Rashid Al Maktoum. This vision forms a roadmap for us and for our work processes, initiatives, and current and future projects. The launch of our updated website supports the Smart Dubai initiative, launched by His Highness, to make Dubai the smartest city in the world. The website also reinforces DEWA's

pioneering role in smart services locally and internationally," said Al Tayar, commenting on the launch of the new-look website.

The revamped website also offers special services for each category of customer. It was restructured according to a comprehensive study to meet customer needs, to enhance customer services, and to improve quality of service.

All services have been divided into more specific categories, according to customer requirements, to facilitate and speed up surfing and navigation. The website layout is clearer and more transparent, and has been optimised to work across various smartphones and devices.

DEWA has prioritised its customers, to improve services and achieve their happiness.

Revamped website new features

1. Enquire about electricity and water bills
2. Get electricity and water connections
3. Get clearance certificates from DEWA
4. Show graphs showing electricity and water use
5. HAYAK: Talk to a DEWA agent on live video chat about services and bills
6. Track the status of your requests and complaints

DEWA organises sustainability reports workshop for top management

DEWA is the first electricity service utility in the MENA region that produces sustainability reports according to the GRI G4 standards



DEWA has conducted a workshop on sustainability for its top management. This is the latest in a series of workshops for stakeholders organised by DEWA to encourage and support creative ideas: to develop government performance, spread a sustainable culture among its employees, and support DEWA's efforts to enhance the competitiveness of the UAE and Dubai as a global hub of sustainability and green economy.

"In line with the long-term national Green Economy for Sustainable Development initiative to build a green economy in the UAE, launched by His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President, and Prime Minister of the UAE and Ruler of Dubai, we are working to instil sustainability as a major part of our corporate strategy and culture in all areas of our projects and activities at DEWA. We organise these workshops to achieve our vision to become a sustainable innovative world-class utility. This is in preparation for another workshop, which will take place shortly to introduce our partners and stakeholders to DEWA's practices

and sustainability performance. We are now working to prepare our third Sustainability Report, according to Global Reporting Initiative (GRI G4) standards for issuing sustainable reports, used by corporations around the world," said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.

"DEWA is the first service utility in the Middle East and North Africa (MENA) region that produces sustainability reports according to the GRI G4 standards. DEWA was also one of 15 organisations in the UAE to provide such a report in 2014 according to these standards, and one of 55 international service utilities to do so according to the 2014 standards."

"This workshop completes a special DEWA top management training programme, which was organised earlier this year in cooperation with the Cambridge Institute for Sustainability Leadership (CISL), in line with the directions of our wise leadership, to develop and train UAE staff. We are primarily interested in providing our employees with the required skills to cope with the work demands of DEWA. We aim, through this workshop, to support DEWA's

strategy to improve and develop the skills of Emirati top management, introduce them to the latest international standards, and support our targets to build pioneering and excellent leadership in comprehensive government sustainability. Workshops organised by DEWA introduce top management to DEWA performance and sustainability procedures. They deliver great results, in preparation for the next sustainability report," said Al Tayer.

DEWA is preparing to issue the third annual sustainability report in response to its partners' wishes for it to be more transparent about sustainability and its performance at DEWA. It is preparing the report internally to the best standards of transparency and professionalism.

The Global Reporting Initiative for sustainable reports is an independent, international non-profit organisation, which supervises the issuing of sustainability reports, which include social, ecological and economic performance. It helps corporations, companies, government departments and other organisations to better understand the issue of sustainability.

Preferred Bidder for 1st phase of 1,200 MW Hassyan Clean Coal Power Plant



HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, has today announced the ACWA Power and Harbin Electric consortium as the Preferred Bidder for the first phase of the 1,200 MW Hassyan Clean Coal Power Project. The consortium bid a Levelised Cost of Electricity (LCOE) of 4.501 cents/KWh based on May 2015 coal prices. At the conference, Al Tayer thanked the companies that sent their bids.

"This ambitious project supports the vision and directives of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, the roadmap that guides our ambitious initiatives and development projects. It also supports the Dubai Plan 2021 to for Dubai's environment to be clean, healthy, and sustainable. Today, DEWA is adding another initiative to diversify Dubai's energy mix and

support the Dubai Integrated Energy Strategy 2030 developed by the Dubai Supreme Council of Energy to diversify Dubai's energy mix to include 71% from gas, 15% from solar power, 7% from clean coal, and 7% from nuclear power. I would like to thank all the international applicants who submitted their competitive bids to participate in this leading project. This wide international participation reflects the trust and confidence of international investors to invest in Dubai Government's major energy projects," said Al Tayer.

"To achieve DEWA's vision to become a sustainable world class utility, we are working to establish sustainability, which is a roadmap for a brighter and happier future for Dubai, by launching distinguished world-class initiatives and projects in green development. The Hassyan clean-coal power plant will use the

best available technologies and the highest global standards in this field. It will use the Ultra-supercritical (USC) technology to reduce any negative impact on the environment. DEWA has requested that the project meets flue gas emission limits more stringently than emission limits in the Industrial Emissions Directive (IED) of the European Union and in the International Finance Corporation (IFC) Guidelines. All the necessary environmental studies have been carried out. The Hassyan clean coal power plant project will use the IPP model on a build, own, operate (BOO) basis and DEWA will be the major stakeholder with a 51% share. The project is supported by a 25-year Power Project Agreement (PPA). The bidder has been required to put in place arrangements for the assured delivery of coal to the project over the life of the agreement.

DEWA Sponsors Innovation Award



The Emirates Talent Association is inviting UAE National students of 12 to 18 years of age, to apply for the international IQ Test, to measure their intelligence quotient according to global standards.

This test will help students determine their approximate intelligence level and take advantage of the test results to develop mental abilities and improve their education.

DEWA organises Health and Safety Week 2015



DEWA, inaugurated the Health and Safety Week, which will be run internally across all DEWA branches, as well as externally at Mirdif City Centre, from 27 to 31 December 2015.

The event was attended by DEWA's EVPs, senior managers, employees, partners, contractors, customers and stakeholders.

DEWA upgrades electricity and water infrastructure



DEWA has allocated over AED 2.6 billion towards the development of world-class electricity and water infrastructure and renewable energy generation in Dubai. This will contribute to the country's growth ahead of World Expo 2020, which will showcase Dubai's state-of-the-art public facilities and focus on exploring renewable energy in support of the Green Economy for Sustainable Development initiative, launched in cooperation with the Dubai Expo 2020's theme of 'Connecting Minds, Creating the Future' that focuses on the concepts of Sustainability, Mobility and Opportunity.

Q&A

Design, build, and operate solar-

Solar Decathlon Middle East

1. What is Solar Decathlon?

Solar Decathlon Middle East (SDME) is an international competition created through an agreement between the Dubai Supreme Council of Energy, DEWA, and the US Department of Energy. Universities from all over the world are competing to design, build, and operate solar-powered energy-efficient houses. They should contribute to environmental protection and be capable of adapting to the region's weather. The competition will be held for the first time in the Middle East after successes in the USA, Europe, China, Latin America, and the Caribbean.

2. When the competition will be held?

Dubai will host the first two rounds of the Solar Decathlon, which is held for the first time in the Middle East, in 2018 and again in 2020 to coincide with World Expo in Dubai, whose theme 'Connecting Minds, Creating the Future' fits well with this distinguished international competition.

3. Why is DEWA organising this competition?

In DEWA, we invest heavily in developing people capable of spearheading research and development in clean and renewable energy to preserve natural resources and protect the environment.

At DEWA, we are providing all the necessary support to contribute to the success of Solar Decathlon Middle East, as part of our mission to deliver sustainable electricity and water services at a world-class level of reliability, efficiency, and safety in an environment that nurtures innovation, and achieve our vision to become a sustainable innovative world class utility.

We will encourage students to design, build, and operate solar-run sustainable houses that are efficient in terms of cost and energy use, while taking into account the region's climate. DEWA is hosting this competition to support the Dubai Clean Energy Strategy 2050, to transform Dubai into an international hub for

clean energy and green economy. Dubai aims to become the city with the smallest carbon footprint in the world.

By organising this competition, we spread knowledge and raise awareness of the benefits that clean and renewable energy offer.

We encourage using materials that reduce the environmental impact of houses and buildings. It also informs the public about the importance of renewable energy, energy efficiency, and available technologies to reduce consumption. The Solar Decathlon provides practical models of efficient, low-cost solar-run houses that are comfortable for residents.

4. How many teams will participate in the Solar Decathlon?

20 teams will participate in the Solar Decathlon, providing a unique opportunity for university students to acquire key experiences and skills, and then apply the theories they learned, showcase their skills and abilities in innovation and design, and achieve a sustainable lifestyle



powered energy-efficient houses

that ensures the sustainability of these important projects.

5. How much are the prizes?

The total value of all the prizes is AED 10 million.

6. How are the teams evaluated?

The evaluation is based on ten categories:

a. Architecture: To assess the coherence of the design, the flexibility of space, the integration of technologies in architecture, and the incorporation of energy efficient strategies.

b. Engineering and Construction: To assess the construction and engineering systems and their design merit and implementation.

c. Energy Management: To evaluate the houses' electrical energy self-sufficiency, management and reduction of energy consumption, electrical energy efficiency, efficiency of all the house components, and their own solar energy consumption.

d. Comfort Conditions: To assess the capacity for providing interior comfort through the control of conditions such as temperature,

humidity, lighting as well as the quality of the air inside the houses.

e. Environmental Acoustics: To assess internal and external acoustical performance. Structural and non-structural elements acoustical reaction to extreme weather conditions in GCC region.

f. House Functionality: To evaluate the houses' functionality and the efficiency of their selected appliances to maximise the performance of the house, while complying with the demanding standards of modern present-day society.

g. Sustainability: To evaluate the skilful and environmental sensibility of the teams (house design, techniques, systems and components).

h. Vegetation and Hardscaping: To measure the constructed surfaces' ability to stay cool in the sun by reflecting solar radiation and emitting thermal radiation.

i. Communication: Assess team communicating creatively, effectively and efficiently.

j. Innovation: To evaluate the innovation degree of the house in the preceding contests, focusing on emergent or radical and revolutionary changes in the house, and in its systems or in its components, which increases its value and also improves its performance and efficiency.

7. What is the area of the designed houses?

Each house will be between 50 to 100 square metres in size.

The size of the location where the decathlon is taking place is 5,000 square metres (includes houses, internal pathways, services, administration, assemblies, and communication seminars).

8. How can I get more information on SDME?

Go to <http://solardecathlonme.com> for more information on Solar Decathlon Middle East. You can find examples of homes from past events on:

<http://www.solardecathlon.gov/index.html>



HH Sheikh Ahmed bin Saeed Al Maktoum honours winners of Emirates Energy Awards 2015



HH Sheikh Ahmed bin Saeed Al Maktoum and HE Saeed Mohammed Al Tayar with the winners.

Under the patronage of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, His Highness Sheikh Ahmed Bin Saeed Al Maktoum, Chairman of The Dubai Supreme Council of Energy attended the Emirates Energy Award 2015 ceremony at Armani Hotel Dubai, attended

by HE Saeed Mohammed Al Tayar, Vice Chairman of The Dubai Supreme Council of Energy, and HE Ahmad Buti Al Muhairbi, Secretary General of the Dubai Supreme Council of Energy.

Organized by the Supreme Council, the Emirates Energy Award was launched under the theme 'For a Sustainable Future' to

highlight the most important innovations and scientific research in the field of energy efficiency and management.

The EEA also honours individuals, leading authorities and institutions at the national, regional and international levels for their contribution to sustainable energy initiatives.

Dubai Supreme Council of Energy promotes resources sustainability at C40 Cities Climate Leadership Group



HE Saeed Mohammed Al Tayar, Vice Chairman of the Dubai Supreme Council of Energy and MD & CEO of DEWA, has stated that, "Dubai joining the C40 is the result of the wise directives of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, and of a series of plans, programmes, and initiatives launched by His Highness, including the long-term

national Green Economy for Sustainable Development initiative to build a green economy in the UAE. This initiative enhances sustainable development and achieves the aspirations of citizens and residents, thereby offering a brighter future for Dubai."

Al Tayar also highlighted that this is a step towards the UAE Vision 2021 and Dubai Plan 2021, to put a roadmap in place to guarantee ambitious initiatives and develop projects that combine economic development with sustainable energy and a clean and safe environment. This helps to make Dubai a smart and sustainable city that achieves sustainability of resources and provides a clean, healthy

and sustainable environment. It also helps to achieve a green economy, and establish sustainable communities for generations to come.

DEWA has launched three pioneering initiatives to support the Smart City initiative, launched by HH Sheikh Mohammed bin Rashid Al Maktoum, to make Dubai the smartest city in the world within three years. These initiatives comprise the Smart Applications initiative, Shams Dubai, which encourages residents and building owners to install photovoltaic solar panels to generate electricity and connect them to DEWA's grid, and the Green Charger initiative, to build electric vehicle charging stations in Dubai.

Supreme Council of Energy and DEWA participate in 6th Desert Energy Leadership Summit



The Dubai Supreme Council of Energy and DEWA have participated in the 6th Desert Energy Leadership Summit on Tuesday 3 November under the patronage of HH Sheikh Ahmed bin Saeed Al Maktoum, Chairman of the Supreme Council of Energy in Emirates Towers, Dubai. The summit, organised by the Desertec Industrial Initiative, brought together officials and decision-makers from the

public and private sectors from around the world including Saudi Arabia's ACWA Power, Germany's RWE, and the State Grid Corporation of China.

HE Ahmed Buti Al Muhairbi, Secretary General of the Dubai Supreme Council of Energy gave on behalf of HE Saeed Mohammed Al Tayer, Vice Chairman of the Dubai Supreme Council of Energy and MD & CEO of DEWA, saying that the UAE, under the leadership of 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 dedicated to diversifying its energy mix and increasing its share of clean energy.

"According to the Renewable Energy Policy Network for the 21st Century 2014 report, the UAE ranked third worldwide behind Spain and the USA in the generation of concentrated solar power. Our wise leadership is pursuing excellence to achieve a vision that recognises that renewable energy achieves a balance between development and sustainability. This will help future generations to live in a clean, healthy, and safe environment."

DEWA to run a series of community activities to mark World Energy Day



DEWA organised an outreach campaign incorporating a series of community activities at Mirdif City Centre, to celebrate World Energy Day. As part of the various activities, DEWA will highlight its Shams Dubai initiative

to encourage tenants and building owners to install photovoltaic solar panels to generate electricity. DEWA will connect the system to its network. The electricity will be used onsite and the surplus exported to DEWA's grid.

From 22 to 24 October at Mirdif City Centre, DEWA will organise a workshop for its mascots, Noor and Hayat, who personify energy and water as an electricity flash and a droplet of water, respectively. Children will be able to participate in designing and creating a customised Emirati outfit for the characters,

which also supports the promotion of national identity. Photos will be taken of each participant's creation and then posted onto Social Media (Instagram) with a hashtag (#hayat_noor) as part of a competition. The designs with the most Likes will receive prizes. There will also be a young engineers' workshop to educate children about electricity circuits and how they work, through a smart educational electronic kit. This will also give children an insight as to why we must be more conscious of conserving energy.

Coinciding with the anniversary of HH Sheikh Khalifa bin Zayed Al Nahyan's accession to the Presidency of the UAE

Dubai Supreme Council of Energy and Dubai Petroleum raise the UAE flag

Employees at the Dubai Supreme Council of Energy and Dubai Petroleum Establishment raised the UAE flag along with other ministries and government bodies to celebrate UAE Flag Day. This supports the directives of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice-President and Prime Minister of the UAE and Ruler of Dubai.

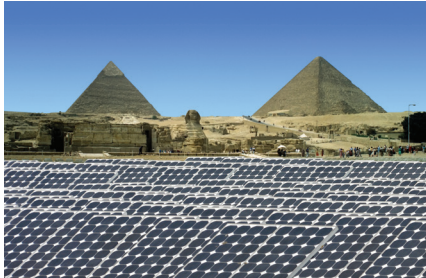
The celebrations coincide with the anniversary of HH Sheikh Khalifa bin Zayed Al Nahyan's accession to the Presidency of the UAE. This year's celebrations showcased feelings of pride towards the UAE's soldiers. "I congratulate HH Sheikh Khalifa bin Zayed Al Nahyan, in his accession to the

Presidency of the UAE, and his brother, HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, on this day, to enhance values of loyalty to our beloved country," said HE Saeed Mohammed Al Tayer, Vice Chairman of the Dubai Supreme Council of Energy and MD & CEO of DEWA.

"The UAE flag represents our ambitions and sacrifices, and it is the flag of our pride and honour. We celebrate this day when all the UAE people gather as one, and express their love and pride for the achievements of our wise government," said HE Ahmed Buti Al Muhairbi, Secretary General of the Dubai Supreme Council of Energy.



Egypt to build 4,300 MW solar, wind plants in 3 years



Egypt aims to build solar and wind power plants in the next three years with combined capacity of 4,300 megawatts, Egyptian president Abdel Fattah al-Sisi told an energy conference in Abu Dhabi on Mon-

day. The plan is part of Egypt's strategy for renewable energy to contribute to more than 20 percent of its energy mix by 2020, he added.

"Egypt's strategy includes transforming Egypt into a central trading hub for energy to make use of its geographical situation centred between the major producers and consumers of energy, and the availability of infrastructure such as the Suez Canal and the SUMED pipeline," Sisi said. He did not specify how the solar and wind projects might be financed, but foreign aid from the Gulf and elsewhere may be involved.

UAE-based Access Power, a private firm, is leading a consortium in bidding to develop solar and wind power plants for Egypt, Reda El Chaar, chairman of Access Power, told Reuters this week.

Access Infra Africa, a partnership between Access Power and French renewable energy company EREN Développement, has been prequalified by Egypt's Ministry of Electricity to develop four solar plants with total capacity of 200 MW and two wind plants of 100 MW, El Chaar said.

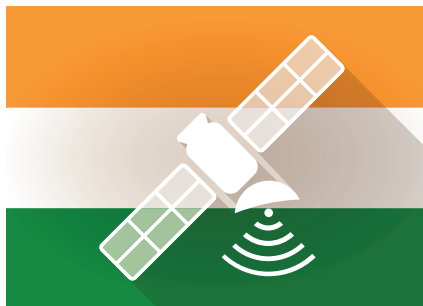
Milan bans cars for three days to fight pollution



Now even cities that aren't famous for their pollution are taking drastic measures to clean up their air. Today, Milan's streets are filled with bikes and pedestrians as part of three-day car ban. Beijing and Delhi are both planning major initiatives to kick cars off their streets, at least part of the time, Gizmodo said.

Milan is blanketed in a thick smog that's created unhealthy air quality conditions for the past 31 days. This is due to excessively warm, dry weather that's persisted for several weeks—parts of Italy have not seen rain for almost two months. Many cities in China and India have been experimenting with limiting cars in their downtowns to curb dangerous levels of particulate matter in the atmosphere.

India Adopts Solar Energy to Preserve its Exports



The deserts of Rajasthan may be the showcase for India's solar revolution but the oil explorer that struck gold beneath the same sands insists the country needs to pump out more fossil fuels to wean itself off imports.

Ahead of climate negotiations in Paris, India sought to deflect criticism by pointing to the solar panels and wind turbines sprouting across the sparsely-populated princely state. Yet deep in the desert, and less well-publicised, are four oil fields operated by an offshoot of Scotland-based Cairn Energy.

"We would all like solar power and clean energy, but the reality is today you need all kinds of energy -- you need clean energy, you need fossil fuels," Cairn India's chief executive Mayank Ashar told reporters on a site visit.

Climate Change Rapidly Warming World's Lakes



Climate change is rapidly warming lakes around the world, threatening freshwater supplies and ecosystems, according to a new NASA and National Science Foundation-funded study of more than half of the world's freshwater supply. The study used temperature data taken via satellites and ground measurements from 235 lakes around the world and analyzed temperature changes over 25 years.

"What we wanted to do was see how lakes were changing over the entire globe and look at what variations there were in the warming rates across the globe but also how much variation there was between lakes that were close together," said Sam Hook, the Science Division Manager at NASA's Jet Propulsion Laboratory and co-author of the study.

Beijing pollution: Schools keep children indoors



Schools in the Chinese capital Beijing have been ordered to keep children indoors amid extremely high levels of air pollution. Pollution climbed to up to 35 times World Health Organisation (WHO) safety levels on the

third day of the city's Orange Alert, the second highest level. Factories have been told to cut production and heavy duty trucks ordered off the roads. Coal, used to power both Chinese factories and heat homes, is a major factor behind the smog, which has been exacerbated by humidity and a lack of wind. A particularly cold November meant a surge in coal burning, both in homes and power plants. Most of China's power is coal-generated.

A measure of pollution called PM2.5 - concentrations of airborne particles smaller than 2.5 microns in diameter - hit 900 micro-

grams per cubic meter in southern Beijing. WHO recommends a maximum limit of 25 micrograms per cubic meter.

China's environment ministry announced that only eight of the country's 74 biggest cities passed the government's basic air quality standards in 2014. Many of the worst cities are in northeast China.

Many Chinese companies found that employees in China demand cleaner office air more than money. It's not only about salaries, promotions and career prospects. These companies need to offer cleaner air within their offices to attract and retain staff.

France to spend two billion Euros on African renewable energy projects



François Hollande pledged to increase at least €2 billion France's funding for renewable energy in Africa over the period 2016-2020. This effort will represent a 50% increase in French bilateral commitments compared to the last

five years. The announcement came in presence of Egyptian president Abdel Fattah al-Sisi who represented Africa in the summit. Projects financed by France can come under the framework of the African Renewable Energy Initiative, promoted by the African Union. They will enable projects designed both by African governments and by civil society organisations and local authorities to be implemented. These programmes can encourage the use of solar, wind, hydroelectric and geothermal power, depending on each country's potential. The President said France would gradually triple its bilateral commitments in Africa, to

reach €1 billion a year by 2020. This effort responds to the African countries' call for sustainable development financing to be more dedicated than it is today to adapting to climate disruption. France's development aid will focus primarily on projects which are part of the African initiatives the Great Green Wall and the protection of Lake Chad and the Niger River. François Hollande stated his ambition that the COP21 should help bring practical projects to fruition in Africa, encourage the adoption of a more carbon-friendly development model and support adaptation to the climate change observed on the continent.

COP21 climate change summit reaches deal in Paris



A deal to attempt to limit the rise in global temperatures to less than 2°C has been agreed at the climate change summit in Paris after two weeks of intense negotiations. The pact is the first to commit all countries to cut carbon

emissions.

The agreement is partly legally binding and partly voluntary. Earlier, key blocs, including the G77 group of developing countries, and nations such as China and India said they supported the proposals.

Nearly 200 countries took part in the negotiations to strike the first climate deal to commit all countries to cut emissions, which would come into being in 2020. The measures in the agreement included to peak greenhouse gas emissions as soon as possible and achieve a balance between sources and sinks of greenhouse gases in the second half of this century, and to keep global temperature increase

«well below» 2°C (3.6°F) and to pursue efforts to limit it to 1.5°C.

\$100 billion a year will be dedicated in climate finance for developing countries by 2020, with a commitment to further finance in the future. French President Francois Hollande called the proposals unprecedented, while UN Secretary-General Ban Ki-moon called on negotiators to «finish the job». Observers say the attempt to impose emissions targets on countries was one of the main reasons why the Copenhagen talks failed.

DEWA participates in 8th Arabia CSR Forum and Awards

HE Saeed Mohammed Al Tayer, MD & CEO of Dubai Electricity and Water Authority (DEWA), has delivered a keynote speech at the 8th Arabia CSR Forum and Awards. The event was organised by the Arabia CSR Network under the auspices of The League of Arab States and with the support of The United Nations Global Compact, in strategic cooperation with the United Nations Environment Programme (UNEP).

"I'm honoured to be a part of the 8th Arabia CSR Forum and Awards. Dubai Electricity and Water Authority has promoted CSR, to support the vision of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE, and Ruler of Dubai, and is playing an instrumental role as a socially-responsible government institution to support the UAE Vision 2021, to make the UAE one of the best countries in the world by 2021, and the Dubai Plan 2021 to make Dubai a tolerant and inclusive society, which embraces civic values," said Al Tayer, in his speech to the forum.

"DEWA rigorously adopts plans and strategies that comply with the best practices and global standards to achieve its vision in corporate so-

cial responsibility. For a long time, DEWA's community initiatives formed an integral part of its strategy directed towards good public service. We are not only providing electricity and water services, but we also support all social measures that boost the growth and prosperity of Dubai and the UAE through our social initiatives and programmes," added Al Tayer.

"To support the initiative of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, we launched the Ruwaad programme, to boost creativity and innovation among orphans. The programme involves sending a group of orphans for creativity training outside the UAE. Our support of this scheme is further evidence that we fully understand the importance of our roles beyond the current responsibilities assigned to us. We are also committed to being an active member of society and promoting social development in general. For many years, DEWA has launched, sponsored and endorsed a wide range of social topics that seek to advance society. Social responsibility has become an integral part of



our strategy, as it is a catalyst for spreading a sense of responsibility to ensure a world-class living experience for individuals by ensuring a healthy and safe environment," added Al Tayer. "This forum accords with DEWA's Vision 2021, and its efforts to engage stakeholders by implementing all its annual social responsibility plans, and to achieve the highest levels of happiness. We are moving forward with our vision to become a sustainable innovative world-class utility. Sustainable development is based on three main components of economy, society and the environment. These are essential as, when they are integrated, the goals of sustainable development will be met."

DEWA fulfills wishes of staff with special needs

through Absher and Omniyati initiatives

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 promote social service, 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 Dubai Executive Council, to turn Dubai into a fully inclusive disability-friendly city by 2020, DEWA is working according to a strategy aimed to establish an inclusive environment for people with disabilities. To achieve this goal, DEWA has launched many programmes and initiatives aimed at customers, employees, and the

community to help everyone with special needs.

"To achieve our vision of social responsibility, a special permanent committee called Maa'n was formed, to supervise the implementation of these strategies. DEWA has clear strategies in place to serve people with disabilities. It has launched in 2014 the Ash'ir service that enables individuals with special needs to communicate directly with DEWA's call centre staff via instant visual conversation using sign language as a means of dialogue, and is the first government organisation in the UAE to launch this service," said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA. "DEWA has also revamped its website



and smart application to better suit the needs of those with disabilities. It accepts large numbers of applicants with special needs and sends them to different departments while meeting their human resource requirements and matching them with a suitable job within the limits of their capabilities, helping them to integrate into society and to build families," added Al Tayer.

DEWA sponsors AccessAbilities Expo 2016

DEWA is Strategic Sponsor of AccessAbilities Expo, which was held in Dubai on 8–10 February 2016, to achieve the vision of HH Sheikh Hamdan bin Mohammed bin Rashid al Maktoum, Crown Prince of Dubai and Chairman of the Dubai Executive Council, to make Dubai the world's best city for people with special needs and their families by 2020, and under the patronage of HH Sheikh Ahmed bin Saeed Al Maktoum, President of Dubai Civil Aviation Authority and Chairman of Dubai Airports.

This exhibition adds to Dubai's track record in caring for people with special needs and integrating them into society. It also helps government organisations to find smart solutions offered by global institutions.

"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 promote social service, and the 'My community... A City for Everyone' initiative launched by HH Sheikh Hamdan bin Mohammed bin Rashid al Maktoum, Crown Prince of Dubai and



اكسبو ذوي الإعاقة
AccessAbilities Expo

ENABLING COMMUNITIES - INTEGRATING LIVES

Chairman of the Dubai Executive Council, to turn Dubai into a fully disability-friendly city by 2020, we are pleased to be strategic sponsor of the AccessAbilities Expo. DEWA is committed to fulfilling its corporate social responsibility in line with its vision to become a sustainable innovative world-class utility, and its strategy to support the UAE Vision 2021 and Dubai Plan 2021 objective to shape an inclusive city that supports cohesive families and communities, forming the bedrock of society," said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.

DEWA's stand at AccessAbilities Expo has services devoted to individuals with special needs to show families how to benefit from them.

Global statistics indicate that globally there are about 700 million people with special needs, including 50 million in the Middle East. DEWA seeks to promote the integration of people with special needs in the community, and provides all requirements for this purpose in its facilities and offices. DEWA has allocated dedicated parking places, and enabled easier wheelchair movement in its offices.





Shams Dubai: The sun that never sets

By

Saeed Mohammed Al Tayer

HE Saeed Mohammed, Vice Chairman of Dubai Supreme Council of Energy and MD & CEO of DEWA

Last September, the United Nations approved the 2030 Agenda for Sustainable Development. Over 150 presidents and government leaders approved 17 sustainable development goals they will work to achieve over the next 15 years. These include combating climate change, ensuring access to water, halt biodiversity loss, and ensuring access to reliable, sustainable energy for all. Energy plays a key role in all the challenges the world is facing today. Providing clean energy can support the economy, contribute to providing food and clean drinking water, and improve general health. According to the UN, three billion people rely on wood, coal, charcoal or animal waste for cooking and heating. This underlines the importance of investing in renewable and clean energy sources to meet the demand for energy, which is expected by 2050 to increase by 60%.

The UAE, under the leadership of 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, attaches great importance to diversifying the energy mix in the UAE. This is based on a wise vision that realises the important role of renewable energy in achieving a balance between development and the environment to ensure the right of future generations to live in a clean, healthy, and safe environment. Energy is the biggest contributor to climate change, causing 60% of the world's greenhouse gases.

Our wise leadership follows in the footsteps of our fathers and grandfathers who paid great attention to the environment and its protection. The late Sheikh Zayed bin Sultan Al Nahyan, the founding father of the UAE, placed great emphasis on environmental sustainability for the benefit of future generations. He observed that, "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."

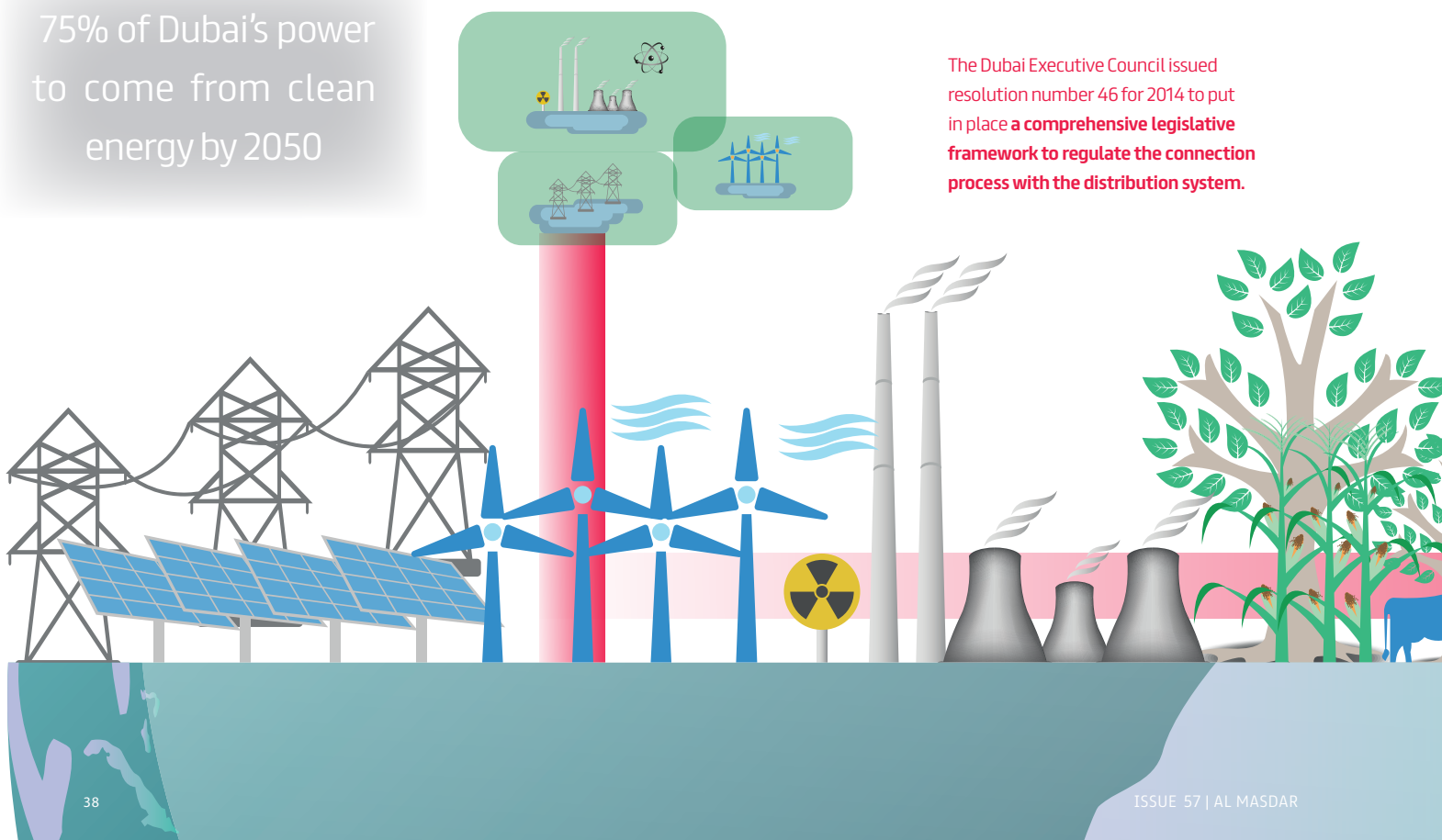
The UAE is committed to the transition towards

a knowledge-based economy, and achieving the sustainable development that depends on innovation and sustainable growth. Diversification of energy sources is one of the key elements for the transformation to a smart and sustainable city and improving the quality of life in it. The UAE has strategic goals in place that will contribute to the dependence on clean energy sources. As HH Sheikh Mohammed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces observed, "We have started our steps and early preparations to sustain our resources until the last drop of oil."

The UAE is investing heavily into mega pioneering projects to produce clean and renewable energy, including solar power and peaceful nuclear energy. In Dubai, the Mohammed bin Rashid Al Maktoum Solar Park, which is managed by DEWA, is the largest single-site solar project in the world. It will produce 5,000MW by 2030. The project supports the Dubai Clean Energy Strategy, launched by His

75% of Dubai's power to come from clean energy by 2050

The Dubai Executive Council issued resolution number 46 for 2014 to put in place a **comprehensive legislative framework to regulate the connection process with the distribution system.**





Highness Sheikh Mohammed bin Rashid Al Maktoum, to provide 7% of Dubai's energy from clean sources by 2020, 25% by 2030 and 75% by 2050. The solar park will reduce over 6.5 million tonnes of carbon emissions annually, which supports Dubai Government's green initiatives and programmes.

In addition to its major initiatives and projects to increase dependence on renewable energy, DEWA launched Shams Dubai initiative that supports the Smart Dubai initiative, launched by HH Sheikh Mohammed bin Rashid Al Maktoum, to transform Dubai into the smartest city in the world. Shams Dubai enables building owners to install photovoltaic solar panels to generate electricity from solar power and connect it to DEWA's grid. The electricity is used on-site and the surplus is exported to DEWA's grid and an offset between exported and imported electricity units is then conducted. To regulate electricity produced from photovoltaic panels to the power distribution

system in Dubai, the Dubai Executive Council issued resolution number 46 for 2014 to put in place a comprehensive legislative framework to regulate the connection process with the distribution system.

Every hour, the sun beams onto Earth more than enough energy to satisfy global energy needs for an entire year. The sun is the oldest energy source, but solar electric power, or photovoltaic, got its start in the 1950s. Since then, the technology has advanced and the cost reduced significantly.

The UAE a region that is sunny every day. That's why taking advantage of this is a strategic necessity, especially in the Arabian Gulf. Over the last few years, the world saw an increase in installing solar photovoltaic systems in houses to produce energy locally. For example, although this past winter was one of the worst on record for the United States' northeast, yet this didn't stop homeowners from investing in solar panelling. According to the Solar Energy

Industries Association (SEIA), 66,440 new solar systems were installed in the first three months of 2015. This makes about 700,000 US households with solar power in total. Solar power is now a fruitful long-term investment.

Let's think practically in installing solar systems in our houses and make use the energy the sun gives us. This makes us partners in producing renewable energy and achieving the goals set by Dubai Government to diversify the energy mix in a smart, sustainable, and happy city.

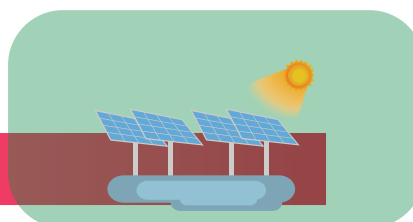
This supports the vision of HH Sheikh Mohammed bin Rashid Al Maktoum to transform Dubai into the city with the smallest carbon footprint in the world by 2050. We must plan our future and the future for generations to come.

As His Highness has observed, "A successful nation does not wait for the future, but rolls up its sleeves and makes the future. A successful nation does not put off today's work for tomorrow, but starts tomorrow's work today."



Diversification of energy sources is one of the key elements for the transformation to a smart and sustainable city and improving the quality of life in it.

The transition towards a knowledge-based economy, and achieving the sustainable development that depends on innovation and sustainable growth



5,000MW
will be produced from solar energy
by 2030



Every hour, the sun beams onto Earth more than enough energy to satisfy global energy needs for an entire year!

Women's Committee



Khawla Al Mehairi

Chairperson of DEWA's Women's Committee

HH Sheikha Fatima bint Mubarak, Chairwoman of the General Women's Union, Supreme Chairwoman of the Family Development Foundation, and President of the Supreme Council for Motherhood and Childhood, empowered women locally and across the Arab world, which is a feat to be proud of. We cannot help but express our admiration for the women of the UAE, their achievements, and the major roles they play in the development of the country alongside the men of the UAE.

HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, has praised the women of the UAE and efforts, saying, "Emirati women have proved their competence in all fields and we are proud of every achievement they have made and thus, we are committed to supporting them until they acquire the highest degrees of excellence and accomplish further achievements in line with our ambitious development vision."

The leaders of our country have adopted a wise approach to the empowerment of women to achieve gender balance. The UAE exerts all efforts to integrate the role of the nation's women, making them key partners in the development and future of our country to achieve sustainable development and motivate innovation. The government takes priority in providing women with the means to work, thrive, and innovate in the clean energy sector while also creating job opportunities for them across all fields and industries.

DEWA is also committed to the empowerment of women in various community based roles, allowing them the opportunity to contribute to the development of society. My taking part in the UAE's delegation of female leaders, from the public and private sectors at the Women's Forum in France last October, stands as a reflection of the UAE's ongoing support towards the empowerment of women locally and regionally, which adhere to the directives of HH Sheikha Manal bint Mohammed bin Rashid Al Maktoum, President of the UAE Gender Balance Council, President of Dubai Women's Establishment and wife of His Highness Sheikh Mansour bin Zayed Al Nahyan, Deputy Prime Minister and Minister of Presidential Affairs.

The UAE's participation in the forum reflects the status of the nation and demonstrates to the world its commitment to women, as well as its efforts on their social and economic development. Dubai will host the Global Women's Forum next February under the patronage of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai. This event will be the first of its kind for the region and see participation by a large number of officials and female empowerment experts from around the world. Dubai's hosting this event for the first time in the region is clear evidence that our country has made a strong impact on the Middle East and North Africa.

DEWA is making every effort to empower all its female employees, and provide them with the opportunities to contribute to the development of our society in support of our strategy to broaden the role of the country's women and develop their abilities to further benefit the nation. Our efforts have recently shown positive results, such as when DEWA's women's sports team won the Sheikha Hind Women's Sports Tournament 2015 that was held last September.

We are proud of what our women's sports team has achieved, having been formed less than a month before the tournament. I would like to thank DEWA's senior management and all the organisations that took part in the tournament on behalf of the entire Women's Committee. I congratulate our champions on their victory, and I'm sure we will continue to see more of their displays of outstanding ability in the future.

The 11th Women's Forum for Economy & Society in France



Khawla Al Mehairi, Vice President of Marketing and Corporate Communications at DEWA, Chairman of DEWA's Women's Committee, and Board Member at the Dubai Women Establishment, participated in the 11th Women's Forum for Economy & Society in Deauville, France, from 14-16 October 2015. Al Mehairi was part of a high-level UAE delegation, which included female leaders from the public and private sectors. The UAE's participation, under the directives of HH Sheikha Manal bint Mohammed bin



Rashid Al Maktoum, President of Dubai Women Establishment and wife of HH Sheikh Mansour bin Zayed Al Nahyan, Deputy Prime Minister and Minister of Presidential Affairs, underlined the UAE's significant achievements in supporting and enabling women locally and regionally. Al Mehairi took part in a discussion panel titled Innovators for Clean Energy, where she highlighted the UAE's achievements in supporting and empowering women, locally and regionally, and the importance

of motivating them to contribute more in the sustainable development process. Al Mehairi highlighted the UAE's approach in empowering women and achieving gender balance, which has had significant positive results. Al Mehairi talked about the UAE's efforts to enhance women's role as partners in shaping the future, and the role they can play in enhancing innovation in clean energy.

DEWA organises Road Race on National Sports Day



DEWA, in collaboration with Zabeel Ladies Club, has organised the Road Race activity on the National Sports Day. A large numbers of ladies, from DEWA's staff and society, took part in the race in an exciting and energetic atmosphere. The activity was part of the National Sports Day, an initiative of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE, and Ruler of Dubai, organised under the slogan "UAE Unites Us".

The Road Race took place at Zabeel Ladies Club. A large numbers of ladies from DEWA's staff and from different parts of Dubai took part in this special sporting event. DEWA's women's sports team supervised the competition. At the end of the race, Fatima Deemas, Vice Chairperson of DEWA Women's Committee, and Khuloud Al Ali, head of the women's sports teams at DEWA, awarded medals and prizes to the runners who took the first ten places.

Our News



DEWA Women's Committee has organised a number of workshops and activities: yoga sessions, Breast Cancer Awareness Day activities, Share your Kitchen Recipes for DEWA ladies, and a workshop for DEWA ladies, where four participants from four different countries shared their recipes with their colleagues. Supporting the Social Family Council initiative launched by Her Highness Sheikha Fatima bint Mubarak, Chairwoman of the General Women's Union (GWU), Supreme Chairwoman of the Family Development Foundation (FDF) and

President of the Supreme Council for Motherhood and Childhood 'Mother of the Nation,' and under the theme 'A Wise Family, a Cohesive Society,' DEWA's Women Committee organised a lecture to all DEWA ladies on this matter, delivered by Dr. Abdul Aziz Al Hammadi, Director of the Family Guidance and Reconciliation Section at Dubai Courts. Finally, the committee celebrated the 44th UAE National Day with several activities for the ladies.

DEWA to participate at Women's Forum 2016 in Dubai

DEWA has been announced as a Strategic Partner of the upcoming Women's Forum Dubai (WFD) will be held under the patronage of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai. It will be led by HH Sheikha Manal bint Mohammed bin Rashid Al Maktoum, President of the UAE Gender Balance Council and wife of HH Sheikh Mansour bin Zayed Al Nahyan, Deputy Prime Minister and Minister of Presidential Affairs. WFD will be held on 23-24 February 2016 in Madinat Jumeirah in Dubai, under the theme 'Let's Innovate'.

A Memorandum of Understanding (MoU) was signed between DEWA and the Women's Forum Dubai co-organisers, Dubai Women Establishment. The MoU was signed at DEWA's headquarters by HE Saeed Mohammed Al Tayer, MD and CEO of DEWA, HE Mona Ghanem Al Marri, Vice-President of the UAE Gender Balance Council and Chairperson of the Board at Dubai Women Establishment (DWE), and Jacqueline Franjou, CEO of Women's Forum for the Economy and Society. The signing ceremony was attended by Shamsa Saleh, CEO of Dubai Women Establishment, Lamia Abdulaziz Khan, Director of Dubai Ladies Club, Hessa Tahlak, Corporate Director of Development Research at DWE, Khawla Al Mehairi, Vice President of Marketing and Corporate Communications and Chairperson of the Women's Committee at DEWA, Fatima Deemas, Senior Manager of Internal Communications and Vice Chairperson of DEWA Women's Committee, Ahmed Abdullah, Senior Manager of External Communications, Khuloud Al Ali, Deputy Senior Manager of Public & Media Relations, and representatives from DWE and DEWA.

The sponsorship is part of DEWA's ongoing efforts to empower women in all areas, and support their contribution to society and the sustainable development of the UAE. DEWA's Women's Committee organises several events and initiatives throughout the year, and participates in national and inter-



national women activities.

As part of the agreement, DEWA representatives are set to share their expertise on advancements in sustainable energy during a plenary session at the Women's Forum Dubai. DEWA will also participate in the 'Discovery' exhibition at the Forum to showcase creative ideas for innovation in sustainable energy from their booth in the 'Energy Hub'. Talks covering topics including clean energy and the role of women in the sector will be delivered by DEWA representatives from the Energy Hub and international delegates will have an opportunity to learn more about DEWA's innovative programmes during special tours.

"We are proud to support the first Women's Forum event to take place in the Middle East and North Africa. DEWA is a strong believer in the important role that women have been playing in the development of the UAE's economy since the establishment of the United Arab Emirates. With the support of the wise leadership, the UAE's efforts to empower women and the post-empowerment phase. DEWA employs 1,610 female staff across all divisions. The number includes 525 in engineering and technical domains. 77% of the total female workforce in DEWA are Emiratis," said Al Tayer.

"DEWA is committed to supporting the leadership's strategy to enhance and encourage a culture of innovation across the UAE. We will continue developing innovative projects and initiatives and support

similar initiatives that ensure achieving this vision," added Al Tayer.

"The UAE is making great strides in advancing innovation across all sectors and DEWA is playing an integral role in these achievements for our nation. Women's Forum Dubai will support the UAE's vision to become one of the most innovative nations in the world and I'd like to thank DEWA for its partnership," said Al Marri.

"The signing of this MoU reflects DEWA's commitment to strengthen the influence of Emirati women as well as maximise their contribution to the UAE's socio-economic growth, and we look forward to working closer together to ensure that Women's Forum Dubai is a major success for both the UAE and the region," Added Al Marri.

Al Tayer will also take part in the Women's Forum Dubai 'CEO Champions' initiative, which will bring male and female global leaders from both the private and public sectors together to exchange ideas and establish new and innovative ways to drive women's corporate empowerment globally. Women's Forum Dubai 2016 will feature a number of important initiatives including Rising Talents, Women in Media, and CEO Champions. Expected to attract over 2,000 participants and 200 speakers and international delegates, Women's Forum Dubai will bring together leaders from around the world – women and men – representing business, government, academia as well as art and culture.



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DEWA launches Happiness Majlis with 'For your happiness' activities for staff

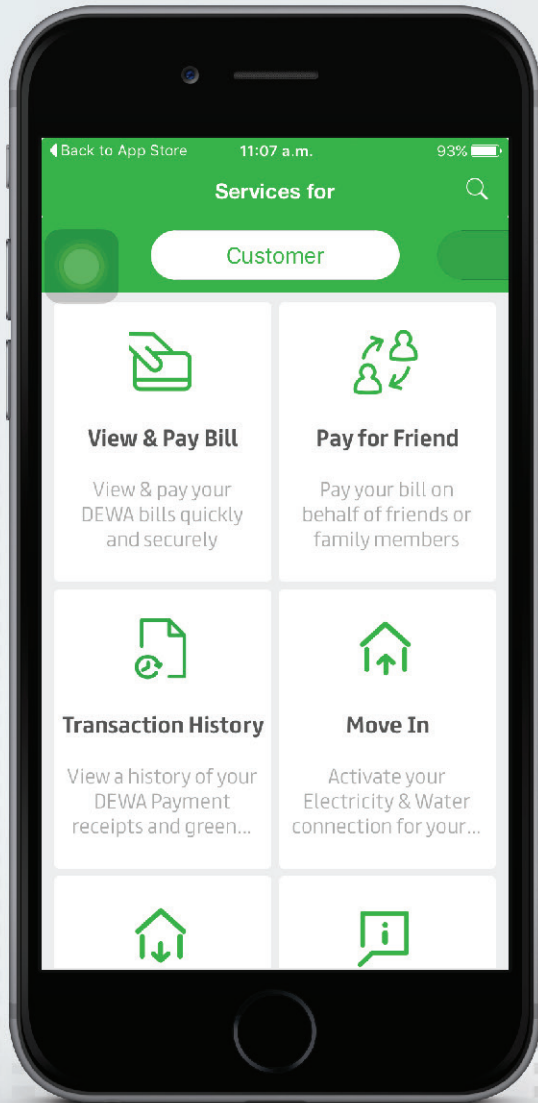


HE Saeed Mohammed Al Tayer, MD & CEO of Dubai Electricity and Water Authority (DEWA), has launched the Happiness Majlis, attended by EVPs, VPs and a large group of DEWA's employees at its headquarters. DEWA is the first government organisation to establish a special majlis for happiness, to provide an effective work environment and support employees. This is in addition to offering a selection of services like electronic meeting room bookings and various activities, to overcome challenges which hinder employees' efforts. The

Majlis is supported by the latest tools and equipment, to offer a creative, relaxing, positive and high-quality work environment, so employees can be more creative and innovative and develop continuously.

DEWA also organised a series of activities build greater interactivity amongst staff, under the theme 'For your happiness.' The activities developed a positive work environment to make DEWA staff happy. DEWA previously organised a visual presentation for quotes by HH Sheikh

Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, about the impact of happiness on employees' productivity and its significance in corporate work. It also included a series of educational and entertainment activities. The event was held under the theme, 'For your happiness.' the event took place at DEWA's offices including its headquarters, Warsan, Al Hudaiba, Sustainable Building in Al Quoz, and Jebel Ali Power Station.



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As part of 44th UAE National Day celebrations

DEWA continues 'Neighbourhood Campaign' in different areas in Dubai

DEWA is extending its Neighbourhood Campaign as part of its 44th UAE National Day celebrations and its continuous efforts to raise community awareness on the importance of Dubai's sustainable development. The move shows DEWA's full support for pride in national identity, emphasises the importance of saving electricity and water, and promote social work and direct contact with all segments of society in residential areas. The campaign reflects DEWA's commitment to encouraging environmental awareness among all members of society and promoting the sustainable development of Dubai.

The campaign involves field visits to several neighbourhoods and housing complexes across the emirate by a specialist team from DEWA who are transported via a bus specially designed for the campaign, which they share with Dubai Police. The team advises the public on how to rationalise consumption and live a sustainable and environment-friendly lifestyle.

"To support our vision of becoming a sustainable innovative world-class utility, DEWA launches awareness programmes and creative initiatives to encourage all members of society to adopt positive practices in their daily lives such as their responsible use of electricity and water. Over the past six years, DEWA has achieved concrete results thanks to its conservation initiatives. It managed to save 1,163 GWh of electricity and 5.4 billion imperial gallons of water, equivalent to AED 752 million, and over 536,000 tonnes of carbon dioxide emissions," said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.

"The Neighbourhood Campaign has been highly successful in raising environmental awareness among the people of Dubai. Its geographic scope has been expanded to include all of the emirate's residential areas and targets both adults and children. It is important to instil a culture of responsible use of resources among the different age groups, and encourage the adoption of the

behaviour and practices that strengthen the foundations of environmental sustainability in Dubai," added Al Tayer.

Coinciding with this year's UAE National Day, DEWA's conservation team visited residential neighbourhoods in Oud Al Muteena and Muhaisnah to distribute gifts of UAE flags and scarves and Noor and Hayat dolls dressed up in the UAE national dress to mark the special occasion. The team also brought along a busload of ice cream to add to the fun.

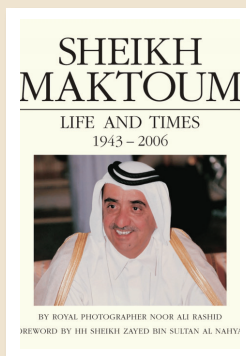
Last year, the Neighbourhood Campaign team visited three public parks and 1,641 houses in 27 neighbourhoods. These included Al Hebab, Al Faqa, Al Margham, Hatta, Al Lusail, Al Marmoom, Al Aweer, and other residential areas in Dubai and three parks. The campaign succeeded in saving 714,000 kWh of electricity and 13 million imperial gallons of water, as well as reducing 329,000 kg of carbon dioxide emissions. Savings were valued at approximately AED 829,000.



Knowledge Management

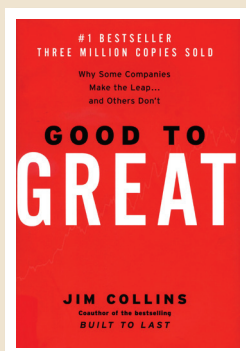


The books featured here are available for loan from the DEWA Knowledge Centres. The Knowledge Centres are located in DEWA offices in Al Quoz (The Sustainable Building), Warsan and Al Qusais. For further information or assistance please email us at knowledgecentre@dewa.gov.ae



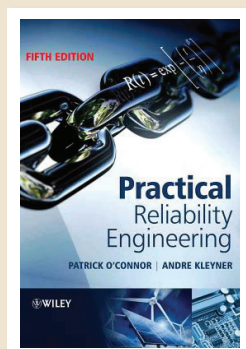
Title: Sheikh Maktoum: life and times 1943-2006
Author: Noor Ali Rashid
Language: English
Pages: 156 pages
Availability: Al Quoz, Warsan and Al Qusais Knowledge Centres
Brief:

This book illustrates how Sheikh Maktoum bin Rashid Al Maktoum continued the vision and work of his father Sheikh Rashid bin Saeed Al Maktoum, the visionary of modern Dubai. Sheikh Maktoum bin Rashid Al Maktoum, the former Vice-President and Prime Minister of the UAE and Ruler of Dubai, succeeded his father in 1990 and died unexpectedly at the beginning of 2006. In this popular book, Noor Ali Rashid illustrates how Sheikh Maktoum continued the vision and work of the Father of Dubai and provides an interesting insight into his private life. The late President of the UAE, Sheikh Zayed bin Sultan Al Nahyan, graciously wrote the foreword to this book.



Title: Good to Great
Author: Jim Collins
Language: English
Pages: 320 pages
Availability: Warsan Knowledge Centre
Brief:

Can a good company become a great one and, if so, how? After a five-year research project, Collins concludes that good to great can and does happen. In this book, he uncovers the underlying variables that enable any type of organization to make the leap from good to great while other organizations remain only good. Rigorously supported by evidence, his findings are surprising - at times even shocking - to the modern mind. Good to Great achieves a rare distinction: a management book full of vital ideas that reads as well as a fast-paced novel.



Title: Practical Reliability Engineering
Author: Patrick O'Connor
Language: English
Pages: 484 pages
Availability: Warsan Knowledge Centre
Brief:

With emphasis on practical aspects of engineering, this bestseller has gained worldwide recognition through progressive editions as the essential reliability textbook. This fifth edition retains the unique balanced mixture of reliability theory and applications, thoroughly updated with the latest industry best practices. It is an essential text for experienced design and reliability engineers, as well as engineers studying for CRE, ASQ or IQA certification and graduate or senior undergraduate students in quality assurance or reliability.