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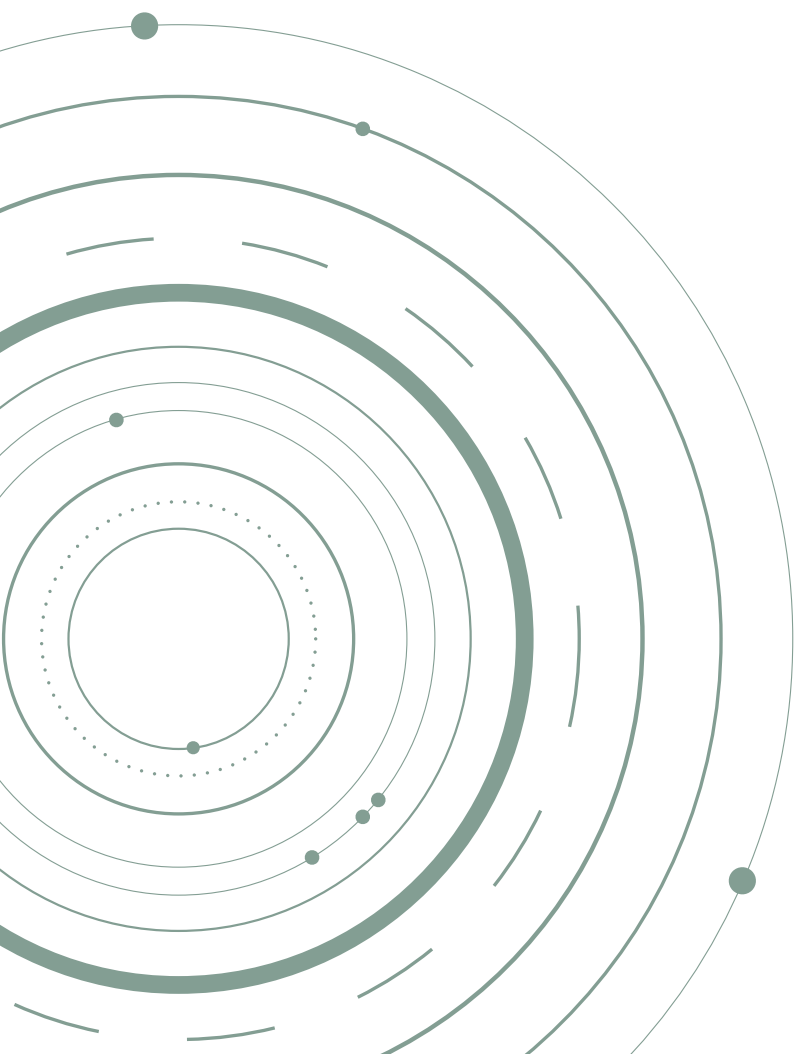


**HH SHEIKH HAMDAN
BIN RASHID AL MAKTOUM
INAUGURATES 21ST
WETEX & 4TH DSS**

WETEX & DSS attract
38,718 visitors



**HH SHEIKH HAMDAN BIN
MOHAMMED BIN RASHID
AL MAKTOUM VISITS 21ST
WETEX AND 4TH DUBAI
SOLAR SHOW**





“

It is our job to provide an environment that unlocks women's potential. Given that, I am confident that women will perform nothing short of miracles.

”

HH Sheikh Mohammed bin Rashid Al Maktoum

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

Our Vision

A globally leading sustainable innovative corporation.

Our Mission

We are committed and aligned to Dubai's 8 Principles and 50-Year Charter supporting the UAE's directions through the delivery of global leading services and innovative energy solutions enriching lives and ensuring the happiness of our stakeholders in a sustainable manner.

Our Values

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

Our Motto

For generations to come.



MD & CEO MESSAGE

HE SAEED MOHAMMED AL TAYER

MD & CEO OF DEWA

In accordance with the wise leadership's vision to diversify the UAE's energy sources, the UAE has launched several federal and local strategies to enhance sustainability efforts. This supports the vision that recognises the importance of renewable energy in balancing development and the environment, to protect the right of future generations to live in a clean, healthy and safe environment. It further supports the UAE's efforts to achieve the UN Sustainable Development Goals 2030, and cutting the adverse effects of climate change. The strategies focus on the shift to clean energy, and the UAE Centennial 2071, to make the UAE the world's leading nation.

DEWA strives to shape and anticipate the future of energy by a futuristic model for utilities in the production, transmission, and distribution of electricity and water. DEWA has investments worth over AED 86 billion over the next five years. We also try to strengthen Dubai's position as a preferred destination for investors, visitors and residents by providing an inspiring environment for excellence, creativity, and innovation.

DEWA currently has an installed capacity of 11,400 megawatts (MW) of electricity and 470 million gallons of desalinated water per day (MIGD). Our projects provide a world-class infrastructure for water and electricity to enhance Dubai's business environment. DEWA's projects also provide all the necessary facilities for investors in a regulatory environment that encourages business. The UAE, represented by DEWA, has maintained first place globally in getting electricity for the third consecutive year, with scores of 100% in all indicators in the World Bank's Doing Business 2020 report. The report measures the ease of doing business in 190 economies around the world.

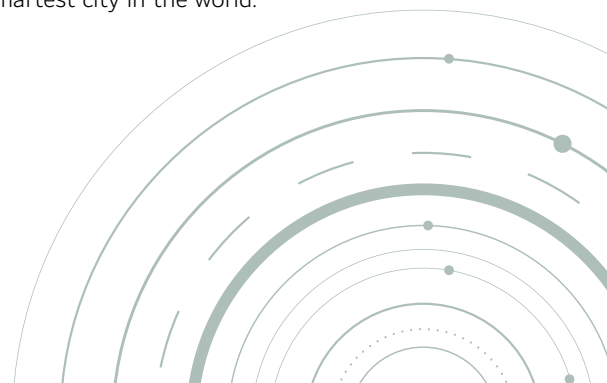
We seek to achieve the Dubai Clean Energy Strategy 2050, to provide 75% of Dubai's total power output from clean

energy by 2050. To achieve this, DEWA launched several green programmes and initiatives, including the Mohammed bin Rashid Al Maktoum Solar Park, the largest single-site solar park in the world. It will have a capacity of 5,000MW by 2030 including 4,000 MW from photovoltaic solar panels and 1,000 MW from Concentrated Solar Power (CSP) with investments totalling AED 50 billion. Upon completion, the solar park will reduce at least 6.5 million tonnes of carbon dioxide emissions annually. DEWA uses the Independent Power Producer (IPP) model for the solar park. This has achieved the lowest international prices for solar electricity on five occasions.

We work to keep pace with the Fourth Industrial Revolution with disruptive technologies such as Artificial Intelligence (AI), drones, energy storage, blockchain, and the Internet of Things (IoT). We support the Dubai 10X initiative launched by HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to propel Dubai into the future, putting it 10 years ahead of other global cities through government innovation. We have decided to reshape the concept of utilities and become the world's first digital utility to use autonomous systems for renewable energy storage and control, to maximise efficiency and output. This is being done by Digital DEWA, our digital arm.

DEWA was one of the first government organisations to provide all its services through various smart channels. This is in accordance with the wise leadership's vision to transform the Government of Dubai into a fully digital government and the first paperless government by the end of 2021. So far, DEWA has a smart adoption rate of 94%.

We will not stop here. We will continue the journey to excellence, work to be top in everything, and make Dubai the happiest and smartest city in the world.



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Biggest-ever WETEX & Dubai Solar Show attracts 38,718 visitors, 2,350 exhibitors from 89 countries

HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum visits WETEX and DSS

HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of The Executive Council, of Dubai, visited the 21st Water, Energy, Technology and Environment Exhibition (WETEX 2019) organised by DEWA under the directives of HH Sheikh Mohammed bin Rashid Al Maktoum, and under the patronage of HH Sheikh Hamdan bin Rashid Al Maktoum, Deputy Ruler of Dubai, UAE Minister of Finance, and President of DEWA.

His Highness Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, said that Dubai is making rapid strides in achieving the vision of

His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to strengthen its green economy and enhance sustainable development as per international best practices in clean and renewable energy adoption. His Highness said that Dubai has achieved considerable success in developing alternative energy solutions that support the Emirate's comprehensive development. Dubai continues to implement mega projects that have made it a global leader in this field.

His Highness further said, "The positive returns from our massive investments in renewable energy production have encouraged us to continue strengthening our capabilities in this domain. Our aim is to establish Dubai as a global model for

reducing carbon emissions and implementing clean energy projects. To build a more sustainable future, we need to be aware of the importance of conserving resources, rationalising consumption and adopting green solutions to preserve the environment for future generations."

HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum was welcomed by HE Saeed Mohammed Al Tayer, MD & CEO of DEWA and Founder and Chairman of WETEX and a number of DEWA officials. He toured the DEWA platforms in addition to visiting the stands of several international companies participating in the exhibition.

Al Tayer briefed His Highness on several DEWA projects, notably the Mohammed bin



low fuel consumption, which in turn reduces harmful emissions. Once deployed across all gas turbines in M-Station, the system will make financial savings of AED17 million a year. The turbine is located at M-Station in Jebel Ali, the largest power generation and water desalination plant in the UAE.

During his visit, His Highness also reviewed DEWA's efforts to ensure the sustainability of desalinated water production through a project to store desalinated water in groundwater aquifers. The ground reservoir, which is currently under construction, can store 6,000 million gallons and retrieve it when needed. This technology provides a strategic reservoir that supplies Dubai with about 50 million gallons of water per day in the event of emergencies, while also ensuring the safety of stored water from external impacts. The project represents an innovative and integrated model that helps protect the environment and provides a sustainable economic solution.

His Highness reviewed DEWA's other most prominent projects such as the Smart Grid Station, which combines the concept of networks and smart homes. This was established as part of DEWA's efforts to develop technologies to connect smart buildings to exchange information; improve energy and water efficiency; and ensure optimal renewable energy in smart cities.

Rashid Al Maktoum Solar Park, the largest single-site solar park in the world based on the independent power producer (IPP) model, with investments of AED 50 billion. When completed, the solar park will reduce 6.5 million tonnes of carbon emissions annually, and will provide thousands of jobs in clean energy and the green economy. Al Tayer explained that completed projects in the solar park are rated for 713MW, and the total capacity of the five phases announced so far will be 2,863MW, rising to 5,000MW by 2030. Of this, 4,000MW will come from photovoltaic technology and 1,000 MW from concentrated solar power (CSP). The IPP model has contributed to lowering the costs of solar power projects on five separate occasions. Achieving the Dubai Clean Energy Strategy 2050 requires a capacity of 42,000 megawatts of clean and renewable energy by 2050.

the UAE and explore the potential for green hydrogen production.

His Highness also learned about the system specifications of the Digital Twin Gas Turbine (GT) Intelligent Controller, which has been developed by a team of DEWA engineers, led by Emirati and Siemens experts. The Intelligent Controller facilitates high turbine efficiency, increased generation capacity and

His Highness was also briefed on the model of DEWA's new headquarters called Al-Shera'a, which is on display at its WETEX pavilion. When completed, Al-Shera'a will be the highest, largest and smartest net Zero Energy Building (ZEB) in the world. Sheikh Hamdan examined a model of the latest high-efficiency electric vehicle, which will be built in Jebel Ali, Dubai.



His Highness was briefed about the Green Hydrogen project implemented by DEWA in cooperation with Expo 2020 Dubai and Siemens, the first project of its kind in the Middle East and North Africa. The initiative, which is considered a model for strategic public-private partnerships, will contribute to the development of a green economy in



HH Sheikh Hamdan bin Rashid Al Maktoum inaugurates 21st Water, Energy, Technology and Environment Exhibition and 4th Dubai Solar Show

HH Sheikh Hamdan bin Rashid Al Maktoum, Deputy Ruler of Dubai, Minister of Finance and President of Dubai Electricity and Water Authority (DEWA), inaugurated the 21st Water, Energy, Technology and Environment Exhibition (WETEX 2019) and the 4th Dubai Solar Show. HH Sheikh Hamdan bin Rashid Al Maktoum was welcomed by HE Matar Humaid Al Tayer, Chairman of DEWA; HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, Abdullah Mohammed Al Hashimi; Majed Hamad Al Shamsi; and other DEWA Board Members.

Also present at the opening ceremony were HE Dr Thani Al Zeyoudi, Minister of Climate Change and Environment; HE Abdulrahman Al Saleh, Director General of the Government of Dubai's Department of Finance; HE Saeed Al Kindi; HE Rashid Bin Fahad; HE Ahmad Mohammed Bin Humaidan, Deputy Director General of The Ruler's Court; HE Ahmed Al Muhairbi, Secretary General of the Dubai Supreme Council of Energy; Abdulrahman Al Awar, Director General at the Federal Authority for Government Human Resources (FAHR); HE Dawood Al Hajri,

Director General of Dubai Municipality; HE Helal Al Marri, Director General of Dubai's Department of Tourism and Commerce Marketing; HE Sultan Butti bin Mejren, Director General of Dubai Land Department; Abdallah Sultan Al Owais, Chairman of the Sharjah Chamber of Commerce and Industry; HE Abdunasser bin Kalban, CEO of DUBAL Holding; HE Saif Al Falasi, CEO of Emirates National Oil Company (ENOC); HE Ahmad Bin Shafar, CEO of Emirates Central Cooling Systems Corporation (Empower); HE Ali Rashid Al Jarwan, CEO of Dragon Oil; HE Salem Almoosa; HE Essa Al Maidoor; and officials from the public and private sectors. DEWA staff and media representatives also attended the ceremony.

Following the opening ceremony, HH Sheikh Hamdan bin Rashid Al Maktoum; HE Saeed Mohammed Al Tayer, and other VIPs, toured the exhibition and were briefed about various innovations, solutions and new products such as energy and water desalination, green technologies, clean and renewable energy, environmental sustainability, and oil and gas.

His Highness also visited group of national and international pavilions, including the pavilion of the People's Republic of China, which hosts the largest number of Chinese companies specialised in water, energy and environment. Almost 110 Chinese companies participated in WETEX and DSS. The Italian pavilion included 22 companies. His Highness then visited the ENOC, Masdar, ACWA Power from Saudi Arabia, Siemens, ABB, Dubai Expo 2020, Empower, MORO, Ducab, the stands of the Abu Dhabi Department of Energy, the Roads and Transport Authority (RTA), Dubai Municipality, Etihad ESCO, and other stands.

WETEX & Dubai Solar Show attracts 38,718 visitors over 3 days

HE Saeed Mohammed Al Tayer stressed that the two most recent exhibitions have been very successful with many exhibitors, visitors, and government entities taking part. The exhibitions hosted 2,350 exhibitors from 89 countries and attracted 38,718 visitors from around the world. Al Tayer announced that DEWA will organise WETEX 2020 from 26-28 October 2020 at the site of Expo



efficiency, sustainability and rationalisation; environmentally friendly cables; promotion of sustainability by using energy models; building information modelling; and preservation of the environment, among many other topics.

4th Dubai Solar Show seminars highlight key innovations related to operation, maintenance, innovation and R&D

DEWA organised 17 panel discussions during the Dubai Solar Show 2019, which focused on the most prominent innovations in operations, maintenance, innovation, research and development, and other aspects of interest for the renewable energy sector. The panels discussed several key topics such as the creation of an energy innovation contracting market, working to reduce carbon emissions in the transport sector through electric vehicles and green hydrogen-based transport technologies, as well as enhancing solar power to provide fresh water in the Middle East and North Africa. It also covered the achievements of the Shams Dubai initiative launched by DEWA as part of the Smart Dubai initiative to encourage building owners to install solar photovoltaic systems to generate electricity from solar power and connect them to DEWA's grid.

2020 Dubai. DEWA is the Official Sustainable Energy Partner of the Expo 2020 Dubai, which will be held for the first time in the Middle East, Africa and South Asia.

DEWA organised the two exhibitions under the umbrella of sixth Green Week, from 21 to 23 October 2019, at the Dubai International Convention and Exhibition Centre.

Conservation Stand strengthens community's awareness on sustainability

DEWA showcased its prominent initiatives and programmes that encourage the public to adopt a sustainable lifestyle by conserving electricity and water and protecting the environment. DEWA displayed its conservation programmes launched throughout the year, encouraging all its customers to consolidate the foundations of environmental sustainability and to motivate society to adopt positive habits in their daily lives to promote a culture that contributes to the sustainability of natural resources, for generations to come.

The Conservation Stand featured key initiatives: Ideal Home, Conservation Award, My Sustainable Living Programme, World Energy Day and Noor & Hayat.

WETEX seminars on AI, energy efficiency, smart grids & future energy systems

In collaboration with a group of experts and specialists from leading local and international companies working in energy, water, technology, sustainability and the environment, DEWA organised 30 seminars during WETEX 2019. The series of seminars and panel discussions focused

on micro-grid control systems and best practices in energy-efficiency tools and systems and smart meters; the effective application of artificial intelligence and advanced analytics; alternative and renewable energy; future energy systems; efficient network management; energy storage and network stability; smart solutions for energy





HH Sheikh Maktoum bin Mohammed bin Rashid Al Maktoum reviews DEWA's progress on AI and disruptive technologies for the utility sector

▶ HH Sheikh Maktoum bin Mohammed bin Rashid Al Maktoum, Deputy Ruler of Dubai, visited Dubai Electricity and Water Authority's (DEWA's) stand at GITEX Technology Week 2019, where he was briefed by DEWA officials on the innovative projects and work to use Artificial Intelligence (AI) and disruptive technologies. His Highness was also briefed about Digital DEWA, its digital arm and Digital X, which DEWA launched recently as a part of Digital DEWA. Digital X will provide innovative, advanced digital services for both smart city applications and smart living services for the people of Dubai.

During GITEX Technology Week 2019, which was held from 6-10 October 2019, DEWA also demonstrated its latest smart services and advanced digital technologies in electricity, water and customer service, in addition to its key initiatives that use AI and disruptive

technologies to enhance the experience of its customers, partners, employees, and other stakeholders.

“Through Digital DEWA, our digital arm, we are redefining the concept of a utility to create a new digital future for Dubai to support the Dubai 10X initiative, which was launched by His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to propel Dubai into the future, putting it 10 years ahead of other global cities through government innovation and disruptive technologies. DEWA will disrupt the entire business of public utilities by becoming the world's first digital utility to use autonomous systems for renewable energy and storage. At the same time, we are expanding our use of AI and digital services,” said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.

“GITEX Technology Week is an important opportunity to highlight DEWA's AI applications and its smart and innovative solutions. These are part of our strategy to support the Smart Dubai initiative, which aims to make Dubai the world's smartest and happiest city. This is also part of our efforts to contribute to transforming Dubai into a global centre for disruptive technologies and to keep pace with the Fourth Industrial Revolution. These also contribute to achieving national strategies, including the UAE Centennial 2071, the National Artificial Intelligence Strategy 2031, the UAE Strategy for the Fourth Industrial Revolution, the Dubai Plan 2021, which aims to make Dubai proactive and creative in meeting the needs of individuals and society as a whole, and the Dubai Paperless Strategy, which aims to build an integrated paperless government framework by 2021,” added Al Tayer.

“DEWA’s participation in GITEX Technology Week, the largest and most prominent of its kind in the region, is an excellent opportunity to exchange best practices and expertise in digital transformation. The exhibition is a key platform that brings together experts, specialists, solution providers, investors, government decision makers, and prospective business partners in all areas of the Fourth Industrial Revolution. This supports the directives of the wise leadership to make Dubai the smartest and happiest city in the world by providing the necessary infrastructure in shaping the future,” said Marwan bin Haidar, Executive Vice President of Innovation & The Future at DEWA.

Bin Haidar noted that DEWA, through its participation in GITEX highlighted its smart programmes and initiatives to make customers happier. These included the Manarati Smart Pole Initiative, which features innovative applications including charging electric vehicles, interactive screens, smart environmental sensors, and Internet access; Smart Response service, which includes several features such as self-diagnosis of electricity and water interruptions to reduce the necessary steps to deal with complaints by following up and solving them through DEWA’s smart app and website; DEWA Store on its smart app, which provides exclusive offers and

discounts in cooperation with a number of public and private sector companies; Rammas, DEWA’s virtual employee that answers customer queries, both in Arabic and English on DEWA smart app and website, Facebook, Amazon’s Alexa, Google Assistant, robots, and DEWA’s WhatsApp Business. DEWA is the first government organisation in the UAE to obtain a verified WhatsApp business account. Rammas can continuously learn and understand customers’ needs based on their enquiries, and analyse them based on available data and information to best respond to and streamline transactions.

DEWA also displayed its revamped website, which was designed based on customer feedback, research, and benchmarking with leading global websites. The revamped website utilises an innovative and seamless design and navigation, which was tested with different user groups.

Visitors to DEWA’s stand at GITEX as well as users of its website (www.dewa.gov.ae) entered raffle draws to win valuable prizes throughout the event.

DEWA signs MoU with Alibaba Cloud to support innovation through Tianchi platform

DEWA has signed a Memorandum of

Understanding (MoU) with Alibaba Cloud, the data intelligence backbone of Alibaba Group. This is part of DEWA’s ongoing efforts to enhance its digital services. According to the MoU, the two sides will cooperate in presenting the challenges related to algorithms, Quantum Computing, Blockchain, Internet of Things (IoT) and Cloud Computing through Alibaba Cloud’s Tianchi innovation platform. The two sides will also collaborate in organising workshops, training courses and conferences to enhance the digital services provided by DEWA to its customers and stakeholders.

Data Hub Integrated Solutions LLC (Moro) signs MoU with Alibaba Cloud

Data Hub Integrated Solutions LLC (Moro), a fully-owned subsidiary of DEWA, signed an MoU with Alibaba Cloud, to provide integrated Cloud solutions for Moro in the field of digital solutions. The move further strengthens the UAE’s drive in the digital world and smart cities. According to the agreement, both parties will collaborate to launch different digital initiatives and programmes related to AI, Big Data, IoT, Smart Transformation, Large-scale Infrastructure, Hybrid Cloud Solutions as well as Business Continuity Solutions through moving critical data to a cloud solution.



Over 100 local and international companies sponsor WETEX 2019

UNITED ARAB EMIRATES
MINISTRY OF ENERGY & INDUSTRY



الإمارات العربية المتحدة
وزارة الطاقة والصناعة



"Like before, we take part in this unique and pioneering event in the field of water, energy and environmental technology, which is a global interactive platform, where the latest developments and innovative solutions in the field of renewable and traditional energy around the world will be reviewed. This platform provided new business opportunities and strategic partnerships that promote the energy sector and achieve sustainable green development. This also supports our wise leadership guidance and the UAE-led sustainability drive in making UAE a global model for environmental sustainability and a green economy. The Ministry of Energy and Industry has recently launched its Energy 2050 Strategy and Water Security 2036 Strategy, using state-of-the-art digital solutions to support sustainable development and infrastructure in generating and managing energy, electricity and water in a flexible and environmentally friendly manner," said HE Suhail Mohammed Al Mazrouei, Minister of Energy and Industry.



"WETEX showcases the latest and most prominent technologies in water, energy and the environment in the world. This reinforces Dubai's position as a city that meets all the requirements for ideal and successful

The 21st Water, Energy, Technology, and Environment Exhibition (WETEX 2018), and the fourth Dubai Solar Show attract over 100 sponsors.

investments. Dubai Municipality displayed five different projects, namely Lahbab station for wastewater treatment using plants, the Warsan plant to convert biogas to electricity, deep tunnel project for sewage, deep tunnel project for the drainage of rainwater, and the project for converting sludge into biofuels. These projects aim to find effective solutions to various infrastructure-related challenges," said Dawoud Al Hajri, Director General of Dubai Municipality

المجلس الأعلى للطاقة
Supreme Council of Energy



"WETEX is one of the most important exhibitions in Dubai where global experts in energy meet to discuss and showcase the latest technologies, particularly in clean energy and rationalisation of energy and water. The Dubai Supreme Council of Energy takes this opportunity to participate and benefit from this important event," said HE Ahmad Buti Al Muhairbi, Secretary General of the Dubai Supreme Council for Energy.

موانئ دبي العالمية
DP WORLD



DP World Group Chairman and CEO, Sultan Ahmed Bin Sulayem, said: "DP World is proud to be associated with WETEX 2019. Its focus on building a sustainable environment aligns closely with our One World, One Future programme, bringing sustainability into every aspect of our operations. WETEX offers an ideal platform to share our vision of a cleaner environment through the efficient management of natural resources. Our support for WETEX 2019 underpins broader efforts to support the UAE and Dubai in instituting global best practices, especially in the areas of energy, electricity, water and environment. This event also allows Jafza to showcase its initiative to create a smart

green business environment. It is a social commitment we are determined to pursue towards our goal of a Zero Emission Supply Chain across DP World's global portfolio. These projects will also contribute to Dubai's Integrated Energy Strategy, which aims to reduce energy demand by 30 per cent by 2030. We believe that our efforts to work towards a carbon-neutral future for the UAE will have an enduring positive impact on people and society."

دائرة الطاقة
DEPARTMENT OF ENERGY



"The Abu Dhabi Department of Energy (DoE), has set a plan for its participation in the event to highlight the Emirate's energy sector. Covering an area of 360 square metres, their pavilion displays the massive water, electricity, and renewable energy infrastructure, including the Noor Abu Dhabi Solar Power Plant and Abu Dhabi Integrated Energy Model (Energy Cube) which gives different scenarios for the outlook of the future of energy. They also promoted recent legislation and regulations to enhance the sector's performance in Abu Dhabi," said HE Awaidha Al Marar, Chairman of The Abu Dhabi Department of Energy



"We participate in WETEX due to its pivotal role in shaping future trends and leading the transformation in the water, energy, as well as the environmental sectors in the region. This grants us a premium opportunity to meet and interact with the brightest minds in the industry and discuss novel ways of achieving sustainability. It also offers a platform to showcase our global projects and experiences that have enabled economic and environmental sustainability in the water and energy sectors," said Mohammad Abunayyan, Chairman of the Board at ACWA Power.



"We are happy to participate as a strategic sponsor for the 21st WETEX. We believe in the goals of the UAE's sustainable development. WETEX

offers opportunities to investors and those interested in the energy sector to review the latest technologies in this field. The event is a great opportunity to promote innovative products, services and technologies in the energy sector and a significant platform to meet decision-makers, investors, buyers and those interested in the sector from around the world," said Ahmad Bin Shafar, CEO of EMPOWER.



"Participating in important platforms and events such as WETEX gives Masdar a significant opportunity to showcase our leading role in developing and marketing utility-scale renewable energy projects around the world. As a Strategic Sponsor, we are proud to support DEWA and this confirms our commitment to achieve the Dubai and UAE Clean Energy Strategies," said Mohamed Jameel Al Ramahi, CEO of Abu Dhabi Future Energy Company (Masdar).



"WETEX has established itself as an effective platform to launch the latest energy innovations and best practices. The event also sheds lights

on vital issues such as protection of water resources and environmental sustainability. We are pleased to take part in this year's edition to introduce cutting-edge technologies that we have deployed across our operations, as part of our ongoing efforts to enhance energy efficiency and resource

management," said HE Saif Humaid Al Falasi, Group Chief Executive Officer of ENOC.

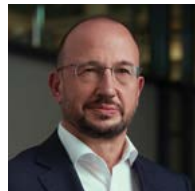
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"DEWA has succeeded in positioning WETEX as one of the leading international exhibitions in the green economy sector. The event has secured its place on the

agenda of major companies and institutions for its vital role in shaping the future of the sector and in contributing to the development of innovative solutions to the challenges facing the world in the fields of renewable and traditional energy, water, and pressing environmental issues. WETEX's continued success reflects the vision of our wise leadership to enhance Dubai's global position and role in leading the efforts to build the green economy, shape the future, and support sustainability initiatives," said Muna bu Samra, Editor-In-Chief of Al Bayan Newspaper.

SIEMENS



"WETEX 2019 is an important gathering for the energy industry and a showcase of cutting-edge technologies in the utilities sector. This

year, Siemens displayed and discussed solutions that will support creating a more sustainable energy sector in the UAE or the region. We shared our latest innovations in energy, renewable energy, green hydrogen and digital transformation solutions. Siemens is a long-term partner to the UAE's ongoing development, to create an economy and a society that is based on sustainability, pioneering and happiness," said Dietmar Siersdorfer, CEO of Siemens in the Middle East and UAE.

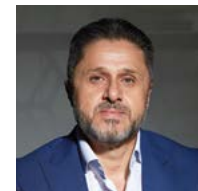
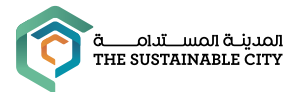
هيئة الطرق والمواصلات
ROADS & TRANSPORT AUTHORITY



"RTA's participation in this important global event (WETEX) offers an ideal platform to showcase our initiatives and strategic plans for a green and

sustainable environment. To complement this drive, RTA always seeks to enhance the efficiency of water and electricity consumption at its premises, transit means and service delivery points," said Nasir Hamad Bu Shehab, CEO of RTA's Strategy and Corporate Governance Sector, and Head of Energy and Green Economy Committee.

"Through its stand at WETEX, RTA rolled out a host of creative initiatives such as the smart technical testing, smart safety bus, solar-powered top-up machine, electric bus, and the field inspection unit. It also displayed its Leadership in Energy and Environmental Design (LEED) Certificate – Gold Category.



"WETEX reflects the progress the UAE has achieved in sustainability and resembles a global platform for sustainable best

practices. During the exhibition, we showcased the latest results of our ongoing partnerships and research at The Sustainable City in Dubai and publish our second annual report this year to reveal our carbon footprint, in line with the Paris Climate Agreement. This year witnessed the revealing the launch of The Sustainable City in Sharjah, in collaboration with Sharjah Investment & Development Authority (Shurooq)," said Faris Saeed, CEO and Co-Founder of Diamond Developers - developer of The Sustainable City.



"Every year we participate in WETEX as it is a fantastic success for us at ABB, so we are proud to be here this year too. WETEX is one of the

most attractive exhibitions in the energy and water sector and we look forward to welcoming our customers to the ABB pavilion, where we showcase our latest products and solutions that are related to digital transformation," said Mostafa AlGuezeri, Managing Director of ABB UAE, Gulf and NE.

دوقاب Ducab



"As a strategic partner of WETEX, we seek to create a sustainable approach to both energy and its resources. We encourage companies

in the UAE to provide certified products that comply with global safety and sustainability standards, as this will have a positive impact on our local economy, as well as contribute to reducing gas emissions and carbon footprint, to benefit everyone," said HE Dr Ahmed bin Hassan Al Shaikh, Chairman Emeritus of Ducab.



سلطة واجهة دبي للسيليكون
Dubai Silicon Oasis Authority



"Dubai shapes the energy future sector through the Dubai Clean Energy Strategy 2050, which represents the vision of HH Sheikh Mohammed bin

Rashid Al Maktoum, to make the Emirate a global hub for clean energy and green economy. Dubai Silicon Oasis Authority (DSOA) collaborates with DEWA's R&D in providing smart infrastructure. It also prepares qualified human resources in this vital field," said HE Dr Mohammed Al Zarooni, Vice Chairman and CEO of DSOA.

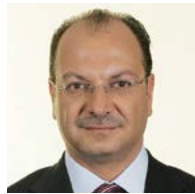
Honeywell



"At Honeywell, we are proud of our long-standing collaboration with DEWA and are committed to leveraging advanced digital technologies

to promote sustainable development in line with the UAE Vision 2021 and Dubai Plan 2021. As Strategic Sponsors of WETEX 2019, we look forward to showcasing our state-of-the-art data-rich software and devices, designed to help both utilities and end-users optimise the efficiency of electricity and water consumption in Dubai, the UAE, and the region," said Norm

Gilsdorf, President for Honeywell & High Growth Regions.



We are proud to be a strategic partner at WETEX 2019. We share many goals with WETEX. WETEX focuses on the latest solutions and technologies of conventional and renewable energy, water, sustainability, and conservation. We are proud to work with DEWA to deliver such solutions," said Mounib Hatab, Vice President at Gulf Eternit Industries.



"As one of the major players in engineering, procurement and construction (EPC), L&T is proud to have been associated with WETEX since 2016, as

the event provides a perfect platform to interact and exchange ideas and experiences in energy transmission and distribution and solar energy. It also presents us with an opportunity to display our track record and capabilities in Transmission & Distribution and Solar. We are pleased to participate again at WETEX because it gives us the opportunity to display our achievements and capabilities. We also reaffirm our commitment towards the UAE and reinforce ties with major stakeholders," said T Madhava Das, SVP & Head, Power Transmission & Distribution, L&T Construction.



"Our strategic media partnership of WETEX 2019 comes in line with the vision of HH Sheikh Mohammed bin Rashid Al Maktoum, to support and encourage

creativity as well as provide permanent contributions to various community and service activities. It also aims to conserve electricity and water consumption and

highlight consumption rationalisation, raise awareness among society members, encourage everyone to protect natural resources, and adopt sustainable solutions," said HE Ahmed Saeed Al Mansouri, Director-General of Television and Radio channels at Dubai Media Incorporated (DMI).



"ARN is proud to have a strategic partnership with DEWA to be the media partner of WETEX 2019. The exhibition is an ideal platform to discuss

ways of achieving a sustainable future through water conservation, the protection of natural resources, and reduce emissions. The media is the mirror of the community and we should deliver all WETEX's messages via our various ARN platforms. WETEX has an international reputation as a meeting place for solution providers, investors, and decision-makers from the private and public sectors. We wish good luck for all participants and the organiser of WETEX," said Mahmoud Al Rasheed, General Manager for ARN.



"Our booth featured our proven, end-to-end solutions for energy and water, which take advantage of our broad partner ecosystem and have

been proven to scale in some of the harshest environments on earth. Recognising the many challenges and roadblocks to integrating renewable energy around the world, we are proud to be a gold sponsor of WETEX, which brings together leaders in the industry to promote a more renewable future," said Andrew Jones, Vice President of sales for Europe, the Middle East and Africa at Itron.

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HE Yousuf Hamad Al Shaibani, Director - General of MBRSC - Special Interview with Masdar on the 25 September mission



- The UAE Astronaut Programme is the first integrated programme in the region for manned space missions
- The programme is sustainable and we will see more successful missions
- The scientific studies enriched the human knowledge
- The mission represents an inspiration for Arab youth

▶ The vast space exploration journey started with hopes and aspirations that have gradually materialised for current generations, and future generations will reap its benefits. The journey enriched the international scientific community with new scientific results, through which the UAE made its first steps into the space industry. Hazzaa Al Mansoori, the first UAE astronaut, conducted 16 new studies, including six studies during his eight-day mission to the International Space Station (ISS).

HE Yousuf Hamad Al Shaibani, Director-General of MBRSC, spoke to Masdar today about the ISS mission and the safe return of Hazzaa Al Mansoori to earth.

First, tell us about the UAE Astronaut Programme, and what are its objectives?

The UAE Astronaut Programme was launched in April 2017 by His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime

Minister of the UAE and Ruler of Dubai, and His Highness Sheikh Mohammed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces, with the objective to train and prepare the first Emirati astronaut to be sent to space for various scientific missions. It also enables the UAE to become part of the international scientific research, to innovate solutions for several challenges to human life on earth. The Mohammed bin Rashid Space Centre (MBRSC) oversees the programme.



The UAE Astronaut Programme contributes to achieving the national strategy, preparing generations of Emiratis who will contribute to enhancing the country's position in space science and research to serve the ambitious aspirations aimed at building a national knowledge-based economy.

Before selecting the the two astronauts Hazzaa AlMansoori and Sultan AlNeyadi, tell us about the UAE Astronaut Programme?

We received 4,022 applications, and started selecting the first batch of the UAE Astronaut Programme. A specialised committee worked on filtering the applications and reviewing them thoroughly, per global standards, and qualified more than 200 applicants. The committee further conducted a series of specialised mental and psychological tests to examine their abilities and adaptation in certain atmospheres among other criterion of adjusting to the International Space Station (ISS) settings.

Following months of filtering, 95 applicants qualified to the next stage. Those applicants underwent medical examinations in Etihad Airways Medical Centre. Specialists in space environment conducted intense medical examinations for the applications, 38 of them qualified for the mental and psychological evaluation.

The examinations included IQ test, capacity test, neurological ability test, personality test, working memory test. The candidates then proceeded to individual interviews to assess their personality from various mental and psychological aspects to ensure that they endure harsh and unusual conditions in outer space. After this stage, specialised committees qualified 18 candidates and interviewed them, including experts from the MBRSC and international space agencies. Nine candidates were nominated for evaluation in Russia by the Russian space agency Roscosmos; for the final stage of selection. It was an intensive assessment by experts from the Yuri Gagarin Astronaut Training Centre. The tests included detailed medical and physical tests to ensure that candidates were ready for space flight training and related tasks. On 3 September 2018, the UAE officially announced Hazzaa Al Mansoori's and Sultan Al Neyadi's selection for the mission.

What was the training given to Al Mansoori and Al Neyadi after their selection?

Emirati astronauts Hazzaa Al Mansoori

and Sultan Al Neyadi conducted several studies and trainings reaching more than 1400 hours, and more than 90 training courses.

The two astronauts began their training by learning the Russian language at the Yuri Gagarin Cosmonaut Training Center at Star City in Moscow, as it was a key requirement to proceed to the following training on the Soyuz vehicle and for takeoff and landing.

The two astronauts attended trainings in different countries in partnership with space agencies: National Aeronautics and Space Administration (NASA); the European Space Agency (ESA); The Japan Aerospace Exploration Agency (JAXA), and of course Russia's Roscosmos. The trainings were held in Moscow, Dubai, Houston/Texas, and Cologne in Germany.

At this stage, the process of studying the biological indicators for astronauts began in addition to comparing the results before and after the space mission, to identify the effect of no gravity on the astronaut's body.

What were the required preparations for Hazzaa AlMansoori, the first UAE astronaut?

The training programme, specially prepared for the 25 September mission, included training on AlMansoori's scientific mission. The two astronauts





were introduced as well to the different sections in the ISS and how to use its tools and equipment.

The two astronauts were also given emergencies training including fire, low pressure, ammonia leak, and survival trainings in case they landed on a very cold area back on earth. Furthermore, they were trained on wearing the space suit, weighing about 10 kilograms, in a no gravity atmosphere. and to ensure maximum comfort for the astronauts during the space mission, use the camera, communicate with stations on earth, and other day-to-day activities during the mission.

What were the scientific studies conducted by Al Mansoori?

Hazzaa Al Mansoori conducted 16 scientific experiments in cooperation with international space agencies, including the Russian Roscosmos and the European Space Agency (ESA). Six of these experiments were done aboard the ISS to study Brain DTI, Osteology, motor control, time perception in microgravity, and Fluidics (fluid dynamics in space).

The scientific mission included experiments involving schools in the UAE as part of MBRSC's Science in Space initiative. The first phase of the initiative witnessed the participation of nearly 16 schools from the UAE, in the presence of AlMansoori.

What is the added value for these scientific studies?

The scientific experiments and research will contribute to enriching human

knowledge and coming up with a database that can be shared with various local and international organisations, which in turn will open new horizons in the global scientific community.

What is the message you would like to send after the success of this mission and meeting Zayed's ambition?

The UAE's dream to send its first astronaut to the ISS has been achieved, thanks to our wise leadership support. Hazzaa AlMansoori presents the people's passion and will remain an inspiring model for Arab youth who seek to stand out, and reestablish the Arab civilisation.

We are proud of our national cadres who have led the various phases of this pioneering mission, which will lead the space sector in the future and contribute to the enrichment of scientific

progress in the UAE and make further achievements in the space, science, and research industry, to serve the ambitious aspirations to be one of the leading countries in the space industry and its science and technology.

Upon AlMansoori's arrival at the ISS, the UAE become the 19th country to contribute to scientific research. AlMansoori will present data related to the human life and body, and he will be the first astronaut from the Arab region to participate in such research.

The mission's success is the beginning for more missions. We vow to our wise leadership to sustain this programme, and to do more successful missions by the Emiratis to consolidate the UAE's position globally in the space science field.





IMAN ABDULLA AL MEHAIRI

Senior Executive, Internal Relations, Innovation
& the Future Division, Head of the People of
Determination technical committee at DEWA and
columnist at Al Bayan newspaper

When did you join DEWA? How was your experience during the first years of working for DEWA?

I joined DEWA's Innovation and The Future division in 2012 as the first Person of Determination to join it. At the beginning, my task was simple, as I had to revise the news, do research and send this to our division's employees. Within a short period, I was successful in some pioneering achievements in digital media. I also contributed to important internal and external campaigns, which came in line with the announcement of the government's strategy, and DEWA's goals, to achieve smart services digital transformation, and stakeholders' happiness. I also contributed to some important technical events such as GITEX, DEWA's Innovation Week activities, and launching our Future Customer Happiness centres.

What factors at DEWA have helped you to achieve excellence?

Working in I&TF division in a pioneering organisation like DEWA, is a chance for employees who have the passion to excel in their career. I love excellence and unusual jobs where I can demonstrate my creativity. DEWA gave me this chance by putting me within a creative team who consider excellence as a basic approach to do their job. I was able to join my colleagues, become part of a creative team, and the teamwork spirit influenced me.

That's how we were able to achieve the best results together on every level and to put DEWA at the forefront as one of the most distinguished government organisations locally and internationally, because DEWA is not only working for the present but creating the future.

How many prizes and awards have you received while working for DEWA? What

is your future ambitions and how do you plan to achieve it?

I started my career in DEWA with confidence in my ability to achieve excellence. I got the title of ambassador to DEWA's Happiness Cafe 2019. I got DEWA's Distinguished Administrative Employee Award, and the Distinguished Administrative Employee in 2018. In 2017, HE Saeed Mohammed Al Tayer, MD & CEO of DEWA honoured me for my initiative to organise a youth forum for people of determination. Our EVP also honoured me for my developmental ideas, and I played a vital role with my colleagues in DEWA's winning first place in Dubai Government Excellence Program (DGEP) in the Disabled-Friendly Government Entity category. These efforts led me to assume the position as the head of the people of determination technical committee in our division, and I became a member in DEWA's Advisory Council for people of determination. Further to this, I was able to play an important role in achieving 100% on my team's KPI during 2017-2018. Now I am also looking forward to publishing unique articles. Finally, I wish to lead an inspiring team within the next five years.

From which sources do you get the power and intentions to be a creative and an excellent employee? Who inspires and supports you on your way towards excellence?

Every success story or project is my source to get the strength and inspiration. Thanks to God for enabling me to live in a country that does not believe in the impossible, a country where achievement and making miracles are a way of life. In short, my inspirational example is HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, as an extraordinary leader, an instructor and an inspiring poet. I am proud that His Highness is my motivator, from whom

I learned to love creativity and to cope with difficulty to have a great future.

What are the challenges that people of determination face in government careers? How did you overcome it and how does DEWA support you in your journey towards excellence?

I believe that in the UAE, we have overcome many obstacles and challenges that could disturb us as people of determination in our lives and working experience. This happened out of our wise leaders' belief in the importance of developing human beings. So, they worked hard on achieving policies and strategies that guarantee us the best chance in learning, working and happiness. Now we need the government entities, to offer people of determination a working environment that is positive and motivational, and offers them the trust they need for more achievements. In addition, people of determination needs different styles of jobs that are customised for them, to ensure a clear career path. As to the challenges I face, I usually look at it as an opportunity to achieve excellence, to deal with it creatively to find best solutions. This is how I deal with working challenges in DEWA and in my division, as I submit development ideas and suggestions that senior management and the Absher office are supporting.

What is your hobby? How do you spend your time after working hours?

I have more than one hobby that I like to practice after my duty time, such as writing articles, reading newspaper columns, and motivational books. I also enjoy trips to the desert and sea, because these trips give me positive energy and the motivation I need to keep my creativity and to go on in my life. I also love travelling and discovering new cities and places to enjoy their natural beauty.



MARYAM ALI ABDULQADER

Senior Engineer- Transmission Cable Maintenance,
Transmission Power Division at DEWA

When did you join DEWA? How was your experience during the early years of working for DEWA?

I joined DEWA in 2014, after graduating from the American University of Sharjah in 2014 with a Bachelor of Science in Electrical Engineering. My relationship with DEWA started after I finished high school, as DEWA offered me a scholarship to study electric engineering due to my phenomenally high school scores. I became the first female engineer to join DEWA's Transmission Cable Maintenance section, which is something I am proud to achieve. During my first years as a DEWA employee and till now, I had unlimited support from my division's supervisors and from my colleagues. This support gives me a strong ambition to achieve excellence within my field.

What is your role in the transmission cable, maintenance section, and why did you choose this specific profession?

My work in DEWA is extremely sensitive and important, as we are responsible for high voltage cables. Each cable feeds various locations, and therefore it is our responsibility to maintain the continuity of power supply all over Dubai. I chose this specific profession because I like to challenge myself. I love getting into fields where women are not much involved in globally, to prove that we, women, can actually work almost anywhere.

What prizes have you received while working with DEWA? Additionally, what prizes are you aiming to receive in the coming year?

I have won various awards since I joined DEWA, such as the best newly joined employee in the Transmission Power division, followed by the best newly joined employee in DEWA, and finally I won the second place in Dubai Government Excellence Programme (DGEP), under the same category. In addition, DEWA rewarded me several times, for my participation in key events and for my ideas and suggestions, which I truly appreciate. Currently, I am aiming to win the first place in Dubai Government Excellence Programme (DGEP), under the best technical/engineer category. Through this journey, I will be trying my very best to achieve as much as I can in terms of my profession and in developing my skills in every aspect.

What is your plan for the future and how will you achieve it?

Actually, I do have many plans for my future. First of all, I am currently enrolled in DEWA's Masters program in Future Energy Systems & Technology in collaboration with UC Berkeley. I consider this a true privilege. I am also planning to take courses that allow me to become an official trainer in DEWA, because aside from being an Engineer, I have a strong passion to pass on whatever knowledge I have to younger generations.

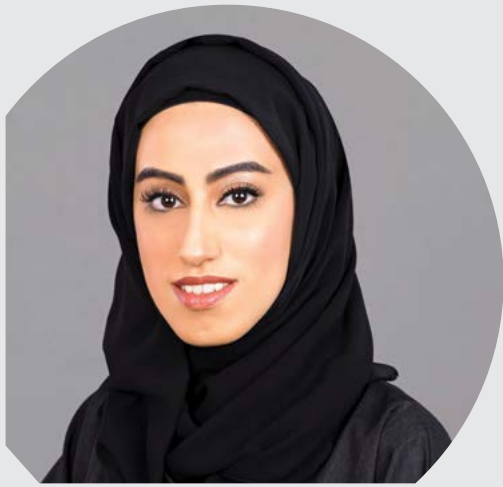
I am also learning French, because it is an extremely popular language globally after English, so it's good to learn it!

Away from the office, do you have any hobbies?

I love reading and horse riding. I often practice those either on weekends or during my vacations.

What encourages you to achieve excellence in your life and career? Who is your ideal example?

I believe my greatest motivation is my constant desire to stay in line with the fast-moving world we currently live in. We live in an era where there is something new every day, and if you don't keep up, you will be way behind. My ideal example is definitely my father. I look up to him because he managed to start his career from zero and developed it to become a successful example, due to his efforts, keenness, and hard work, along with him growing more open to the changes around him. He taught me how every fall is a chance for a higher rise, and that is exactly how I see challenges at work and overcome them.



NOORA AL SHEHHI

Manager Contract Review Audit

How does exercising help achieve a balanced social and work life for a working woman?

A balanced life means having a positive attitude, good habits in our daily routine, and managing our stress levels. The benefits of exercising support women to achieve such a balanced life. As studies have shown, exercising has many benefits including: improving the mood, reducing stress, boosting energy, promoting better sleep and most importantly preventing and managing many health problems.

What are the sports activities Dubai Women's Committee offers for female staff? How is the turn out for these activities?

The Committee provides free sports classes for us, three times a week in the innovation tent at the head office. These Yoga, Pilates, MetaFit and MitaPower. We have a high happiness rates for the support classes offered. The Committee also plans to offer boot camps and other events and tournaments, to further enhance and support women in achieving their fitness.

How can a working woman fit exercise into their social and work commitments?

First women need to understand that exercising should be something that they love and it should not be forced. They should find

a sport that they enjoy. They should research and understand the benefits of exercising to boost their motivation towards working out.

Further, women should not put pressure on themselves to be perfectionists. They should look for something that is more balanced. Each woman is different; some women have the capability to exercise daily while others can only do it few times a week. So, they should test and work on different plans until they find the right regime for themselves.

What's your advice for female staff who wish to start exercising?

Finally, I would say that we should aim to gradually build our fitness regime. It is better to achieve and improve 1% at a time and have a long-term commitment rather than doing 100% at once and then give up after a short while.

WOMEN'S COMMITTEE



A MESSAGE FROM FATIMA AL JOKAR

Chairperson of DEWA Women's Committee

▶ Dubai Electricity and Water Authority's (DEWA) top management supports our wise leadership's approach to providing a positive environment for DEWA's 1,929 female employees. DEWA provides a supportive environment for women's empowerment and leadership, making full use of their innovative and creative potential. This positively reflects on their professional and social lives, and has a significant impact on society as a whole.

DEWA Women's Committee spares no effort in motivating its employees to succeed and enhance their role in DEWA's achievements. So far in 2019, the committee has organised various motivational and awareness lectures on maintaining a balance between work and personal life, successful education for children, and health awareness. We provided multiple sports activities, three times a week, supervised by certified trainers, for our female employees.

We remain committed to integrating the values of tolerance, especially during the Year of Tolerance, as well as cooperating and working as a team. DEWA sent some female employees to perform Umrah for the first time. DEWA also provided multiple programmes for

its female employees, from more than 40 nationalities to promote happiness, tolerance, and stress management, in support of cultural diversity, harmony, and friendly relations among all employees.

For our female employees, we organised field visits to all our branches, and educational trips to Dubai Frame, Dubai Opera, and Mirzam Chocolate factory. To develop the personal abilities of female employees, we conducted handicraft workshops on the art of decoupage and painting, making Arabian perfume and incense, and a workshop on colour psychology.

The committee sponsored the Emirati Women's Conference, organised by the Emirates Intellectual Property Association and the General Women's Union, to communicate effectively with all stakeholders. We also sponsored the Emirates Award for Women that honours successful women in the UAE.

We will not hesitate to provide our female employees with all support needed to be active members in building a strong and cohesive society, capable of keeping pace with rapid changes, and serving as key partners in leading the nation's sustainable development.

DEWA organises 5th Emirati Women's Forum

▶ In celebration of Emirati Women's Day, HE Saeed Mohammed Al Tayer, MD & CEO of Dubai Electricity and Water Authority (DEWA) has inaugurated the fifth Emirati Women's Forum under the theme 'Women, Icons of Tolerance'. The event was held at DEWA's Campus for Occupational and Academic Development in Al Hudaiba. Also in attendance from DEWA was Dr Yousef Al Akraf, EVP of Business Support and Human Resources, Khawla Al Mehairi, EVP of Strategy and Government Communications and Maryam Hilal Al-Mutaiwei, VP of Human Resources, and around 250 female employees. There were also representatives from other governmental women's committees.

The forum included two sessions, the first theme being 'Emirati Women: Trustworthy UAE Ambassadors' led by Fatima Alloghani, Head of Expo Academy and Emiratisation – Human Resources, Workforce and Volunteers at Expo 2020 Dubai; and Hanan Ahli, Executive Director of Federal Competitiveness & Statistics Authority.

The participants highlighted their successful contributions to deliver the UAE's message to the world, and its experience in empowering women. Al Tayer honoured Fatima Alloghani and Hanan Ahli, along with 15 of DEWA's female employees who had taken part in projects and voluntary campaigns abroad. They were awarded the 'Golden Bracelet of Tolerance' in recognition of their efforts to spread tolerance and their voluntary initiatives beyond the nation's borders.


DEWA's female employees, Anoud Almarzouqi and Fatimah Jaffar shared their experiences during the voluntary charity campaigns in Egypt and Uganda, organised by the UAE Water Aid Foundation (Suqia), under the umbrella of the Mohammed Bin Rashid Al Maktoum Global Initiatives Foundation, in cooperation with DEWA and Mohammed Bin Rashid Al Maktoum Humanitarian and Charity Establishment. Almarzouqi and Jaffar highlighted inspiring stories of community members in these two countries, and the positive impact

on their lives and the communities they served.

The second session was a panel session called, 'Tolerance Journey' that included three employees: Mira Almeel; Ayesha Aleremaithi; and Athbeh Alsehhi who had previously represented DEWA in voluntary missions outside the UAE. The session highlighted the role of DEWA's female employees in spreading the value of tolerance globally and its impact on the development of their careers.

The forum also included entertainment, culture and competitions with the Employee Happiness Department giving out prizes to the winners. A cultural exhibition with the theme of 'From the UAE to the world' was organised. The exhibition included areas for henna, traditional weaving, making of perfumes, caricatures, traditional refreshments and music. The exhibition highlighted the cultural and artistic activities of women in the UAE, particularly those associated with the 'Year of Tolerance' in the UAE.



 The Women's Committee at Dubai Electricity and Water Authority (DEWA) organised the 'Life Change' programme in cooperation with a specialised institute in this field. The programme aims to promote the social life of female staff as well as highlight the importance of continuous learning, positive energy, and spreading happiness and tolerance values. The programme supports DEWA's efforts to promote happiness and positivity among female employees.

25 female staff from various divisions took part in the programme, which featured different topics including stress management, controlling cortisol levels to promote physical and psychological health, and learning the Prana breathing technique that helps increase concentration and enhance the body's energy.

DEWA Women's Committee organises 'Life Change' programme for female staff



MD & CEO of DEWA congratulates Fatima Al Jokar on receiving her master's degree in international environmental law

 HE Saeed Mohammed Al Tayer, MD & CEO of Dubai Electricity and Water Authority (DEWA), honoured Fatima Mohammed Al Jokar, Acting Legal Advisor and Chairperson of the Women's Committee at DEWA, on receiving her master's degree with distinction, on international environment law, from Dubai Police Academy. Al Tayer was also given a copy of the thesis, written by Al Jokar entitled 'Unwritten Obligations Related to Environmental Protection'.

Fatima Al Jokar thanked DEWA for the opportunity to pursue her master's degree, as part of the organisation's scholarship programme for its employees. She also expressed her appreciation for Al Tayer's efforts and his continuous support in developing the professional and academic paths for employees, to balance their professional and social lives, to deal with various challenges and take advantage of all available opportunities.

The master's degree with distinction that Al Jokar received from Dubai Police Academy included subjects like the nature of international environmental law, unwritten obligations related to energy sources, and the basis of international obligations in the field of environmental protection, all of which are part of the UAE's focus in sustainable development and the preservation of the environment.



DEWA Women's Committee provides work-life balance lectures for female staff



▶ Dubai Electricity and Water Authority (DEWA) Women's Committee organised a number of awareness lectures that were attended by over 150 staff members from various sectors and branches. This is part of the Committee's efforts to provide a working environment that balances the work and social life of female employees.

The lectures addressed a number of topics for female staff, to achieve an optimal balance between their working lives and family obligations. Educational specialists also gave lectures on successfully raising children of different ages, and how to meet and deal with challenges.

DEWA Women's Committee organises a trip to Mirzam Chocolate Factory

▶ Dubai Electricity and Water Authority (DEWA) Women's Committee organised a trip for its female staff to the Mirzam Chocolate Factory, a local factory that specialises in manufacturing various cocoa products. Over 50 female staff from all DEWA's sectors took part in the trip, which supports the Women Committee's efforts to promote positive interaction and social cohesion among female employees.

The female staff were introduced to the different stages of chocolate making, including bringing hand-harvested cocoa beans from tropical regions to the factory in Dubai and the process of storing, roasting, and grinding as well as preparing different types of chocolate bars, followed by packaging. The employees also participated in a workshop on preparing cocoa products and working as a team.





MD & CEO of
DEWA receives
Minister of Energy,
Manpower, and
Industry of Brunei
Darussalam



and Spanish Ambassador
to the UAE



and discusses
strengthening cooperation
with new IRENA
Director-General

and receives First-Class
Certificate of Honour and
Appreciation from EFQM
delegation



MD & CEO discusses
enhancing collaboration
with Chinese companies
with Chinese Consul
General in Dubai



and welcomes President
of State Grid Corporation
of China



and discusses cooperation
with Canadian companies
on clean energy projects
with Canadian Consul
General in Dubai and
Northern Emirates

And as Chairman of Suqia
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receives Singaporean
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DEWA holds strategic summit with Huawei to enhance cooperation in AI and digital transformation

DEWA held a strategic summit with Huawei. It was attended by HE Saeed Mohammed Al Tayar, MD & CEO of DEWA, and Charles Yang, President of Middle East Region at Huawei Technologies. The strategic summit aimed to increase cooperation between the two parties on investments and exchanging best global solutions, experiences, and practices in innovation, disruptive technologies, smart grids, digital transformation, automation, cloud platforms, and artificial intelligence (AI).

The strategic summit witnessed the launch of a joint AI laboratory, through which DEWA and Huawei will develop and implement AI digital services for the Middle East. The two sides also launched a training and development programme for DEWA staff in different areas of the Fourth Industrial Revolution and disruptive technologies. The two parties affirmed their keenness to enhance cooperation in order to achieve the strategic objectives of both DEWA and Huawei, which include developing joint digital services and joint marketing of

digital services in the UAE and around the world, as well as enhancing the benefits of these services.

In his welcoming speech at the summit, Al Tayar affirmed DEWA's strategic partnership with Huawei, which is a global leader in telecommunications and information technology. This partnership has resulted in many important achievements that support DEWA's efforts.

"This summit with Huawei confirms our serious and ongoing work to speed up a new digital future for Dubai. This is done by making use of Huawei's skills in major areas that support the Dubai 10x initiative. Through our hard work and cooperation with Huawei, we intend to make the future a reality in Dubai. We have already started with DEWA's Fiber Optic Backbone Upgrade as part of the InfraX project. This enabled us to apply Video Surveillance as a Service (VSaaS) and a Virtual Desktop Interface, provided by MORO's digital platform. Our partnership with Huawei will also include

several other future projects such as Big Data Management, Perimeter and ICT Infrastructure Security, Cyber Security, Information Security, and AI to analyse cyber threats. A joint taskforce is working on experimental programmes that use the latest technologies to develop new initiatives. This includes R&D projects for new services for customers, in addition to vital initiatives that can be launched immediately," said Al Tayar.

"Over the past few decades, Dubai made significant progress to become a global hub for business, tourism, and green economy, as well as one of the world's most inspiring, successful, and attractive cities," said Yang.

"New technologies, such as 5G, AI, Cloud Computing are developing very fast, and will change everyone's life. The technologies will bring challenges and opportunities to each industry. Huawei is leading 5G, AI and Cloud computing technologies and we have the capability to help DEWA to build an AI based digital cloud platform," added Yang.

DEWA launches Smart Response service for technical notifications

HE Saeed Mohammed Al Tayer, MD & CEO of Dubai Electricity and Water Authority (DEWA), launched the Smart Response Service for electricity and water technical notifications, in line with DEWA's strategy of continuously developing its operations and services through innovation. The Smart Response Service includes several features that empower customers, such as early self-diagnosis of technical interruptions, reducing the necessary steps to deal with complaints and follow-ups, in addition to the ability to communicate with DEWA's technical team. This contributes to the happiness of customers by saving their time and efforts.

DEWA launched customised Smart Response vehicles that contain special cabins to store electric tools used when technical incidents are reported including maintenance tools, first aid kits, uninterrupted power supply (UPS) and small generators, digging tools, water pumps and pipes, and other technical tools.

DEWA also launched a campaign for its customers on how to use the Smart Response Service. Through its campaign, DEWA recommends that customers

comply with the specifications set by DEWA to ensure the availability of electricity. In case of power cuts at homes or companies, DEWA advises customers to identify the affected areas and inspect the internal distribution board. If a circuit breaker is disconnected, a qualified technician may be assigned to help. If all the breakers are on, customers can follow the steps on the Smart Response Service.

DEWA recommends that all water tanks and internal connections be in accordance with its specifications including water

tank capacity of at least 24 hours. These should be regularly maintained to prevent blockages and ensure the quality of water. DEWA advises against using additional booster pumps, other than the mainline booster pump, as this can lead to meter defects.

If there are still water interruptions, customers should verify if the booster pump is working and also check the main source of water into the building, in case it has been shut off, for maintenance or other reasons.

RESTORE YOUR ELECTRICITY & WATER AND STAY CONNECTED WITH SMART RESPONSE.

DEWA proudly introduces the improved "Smart Response" initiative which allows you to attend electricity and water technical notifications. To make things easier, you can also track and solve any technical incident at the touch of your fingertips.

Download DEWA Smart App or visit dewa.gov.ae to report any technical incident.

www.dewa.gov.ae

DEWA Smart App





DEWA's female players win 2 golds, 1 silver and 4 bronze medals in the 7th Sheikhha Hind Women's Sports Tournament 2019

 Dubai Electricity and Water Authority (DEWA) employees have won seven medals in individual and group sports at the seventh Sheikhha Hind Women's Sports Tournament, organised by the Women's Sports Committee of Dubai Sports Council under the directives of HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of the Dubai Sports Council. It is held under the patronage of HH Sheikhha Hind bint Maktoum bin Juma Al Maktoum, wife of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai.

DEWA came first and third in Chess; first in the Road Race, second in CrossFit; and third in Swimming, Challenge Games, and Badminton.

The tournament ran from 12 to 26 October, with the participation of more than 1000 female players. The number of organisations participating this year increased to 50 government, semi-governmental, and private organisations. Crossfit and Challenge Games were added, increasing the number of games to 10 individual and group sports. The other games include Basketball, Volleyball, Swimming, Cycling, Road Race,

Chess, Badminton, and Bowling.

"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, DEWA strives to enhance the health and quality of life of its employees. We encourage our employees to make physical activities an integral part of their daily lives, as it promotes a healthy, vibrant lifestyle, stimulates positive energy, and fosters social networking and communication among employees," said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.



“The top management at DEWA and DEWA’s Sports Committee encourage female employees to improve their fitness and concentration and increasing focus and productivity in the workplace. This is the seventh time we have participated in the Sheikha Hind Women’s Sports Tournament, which promotes sports awareness among government employees. We are proud of DEWA’s team achievements in this edition. I would like to thank all DEWA’s team members and I strongly join their efforts so we have the sporting spirit and always remain as winners,” said Dr Yousef Al Akraf, Executive Vice President of Business Support and Human Resources, and Chairman of DEWA’s Sports Committee.

DEWA’s success included the following: Amal Al Aref came first in Chess, while Fayka Saleh came third; Nada Omar came first in the Road Race; Sara Shehady came second in Crossfit; while DEWA’s team comprising Mira Al Meel, Sara Shehady, Afra Thaloob, Raouia Hamiche, Hiba Eldada, Noora Alsarah, and Maitha Albastaki came third in the Challenge Games. Finally, Sumeya Ayoun came third in Swimming and Aisha Shaheen also came third in Badminton.



Dubai achieves an astounding 19% reduction in net CO₂ emissions

📌 In conjunction with the convening of the preparatory conference for the UN 2019 Climate Summit (COP 25) in Abu Dhabi, the Dubai Supreme Council of Energy announced that Dubai carbon emissions have decreased significantly despite the Emirate's continuous growth and development. The net CO₂ emissions of the Emirate of Dubai have achieved an astounding 19% reduction when compared to the business as usual (BAU) scenario and 10% below the Carbon abatement strategy 2021 target to reduce the carbon emissions by 16% by 2021. The trend has taken a downward facing trajectory despite the Emirate's ambitious growth currently in place.

The UAE recorded an improvement of 60% bringing the per capita emissions to 15.7tCO₂ in the last MRV compiled, well below the US ranking of 16.5tCO₂ per capita.

EEA receives applications for fourth Award in conjunction with Expo 2020 Dubai



📌 Under the patronage of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, the Dubai Supreme Council of Energy has received applications for the 4th Emirates Energy Award (EEA) 2020 in conjunction with Expo 2020 Dubai, with the theme of 'Inspiring Innovation for Sustainable Energy.'

The EEA 2020 award nomination covers the Middle East and North Africa and aims to encourage individuals and companies to rationalise the use of energy. The award not only recognises best practices and pioneering works in energy and water efficiency, but also acknowledges solutions in alternative energy or renewable energy production, sustainability and environmental conservation.

Nominations for the EEA was open for everyone, including innovators and

creators from the private and public sector, as well as researchers, scientists and innovative institutions. The winners of this edition will get a chance to visit Expo 2020 Dubai and explore the unique features and interact with multi-national cultures, that this high-profile event brings.

Individual innovators and inventors, business organisations from the public and private sectors, and research centres may submit their entries in the award's 10 categories. These include: Energy Efficiency-Public & Private Sectors; Energy Efficiency - Private Sector; Large Energy Project; Small Energy Project; Connecting Solar Power to Buildings Project for Large Projects (more than 500 KW); Connecting Solar Power to Buildings Project for Small Projects (less than 500 KW); Education and Capacity Building; Applied Research and Product Development and Young Professional Energy Award.

2nd France-DEWA Business Forum held in Dubai in collaboration with French Business Council and Business France

📌 Dubai Electricity and Water Authority (DEWA) has organised the second France-DEWA Business Forum, in collaboration with the French Business Council in Dubai and the Northern Emirates and Business France. HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, welcomed French participants, headed by HE Ludovic Pouille, Ambassador of the France to the UAE; Raja Rabia, Consul General of France to Dubai, Geoffroy Bunetel, President of the French Business Council in Dubai and the Northern Emirates; representatives of French companies in the UAE, and senior DEWA officials.

In his welcome speech, Al Tayer emphasised the importance of strengthening cooperation and French companies contributing to electricity

and water projects in Dubai and the UAE as well as their forming strategic partnerships with DEWA, especially in

generation, transmission, distribution, renewable energy, energy efficiency, digital transformation, and automation.



DEWA delegation visits China to promote bilateral relations and exchange best global experiences and practices in clean energy.



▶ HE Saeed Mohammed Al Tayer, MD & CEO of Dubai Electricity and Water Authority (DEWA), visited the People's Republic of China to promote bilateral relations and exchange best global experiences and practices in clean energy.

Al Tayer was briefed on the latest developments and global technologies in the construction of floating photovoltaic solar power plants. Al Tayer and the accompanying delegation visited the 150-megawatt Sungrow Power solar PV plant in Hefei, east of China's Anhui Province, the world's largest floating solar power plant. Sungrow Power is one of the world's leading companies in developing floating photovoltaic solar systems. Al Tayer also met with Cao Renxian, CEO of Sungrow Power; Huang Xuefei, General Manager of Sungrow Power Floating Solar PV and other senior staff.

MD & CEO strengthens ties with Singaporean Minister of Environment & Water Resources


▶ HE Saeed Mohammed Al Tayer, MD & CEO of Dubai Electricity and Water Authority (DEWA), met with HE Masagos Zulkifli, Minister of Environment and Water Resources of Singapore. A high-level delegation headed by Al Tayer visited Singapore to promote joint relations and exchange of best global experiences and practices in renewable & clean energy and sustainability.

The meeting was attended by Dr Yousef Al Akraf, Executive Vice President of Business Support and Human Resources at DEWA, and DEWA officials.

During the meeting, Al Tayer focused on strengthening cooperation frameworks with the Singapore Ministry of Environment and Water Resources and the strategic cooperation between DEWA and institutions and companies in the water and energy sector in Singapore, and production, transportation, distribution, renewable energy, energy efficiency projects, and digital transformation.



DEWA sends 20 Emiratis in 'Ambassadors of Innovation - Leaders of the Future' programme to China, with Watani AI Emarat Foundation

 Dubai Electricity and Water Authority (DEWA) announced that 20 Emiratis visited the People's Republic of China for two weeks as part of the 'Ambassadors of Innovation - Leaders of the Future' programme. This follows the success of the first UAE Pioneers 2015 initiative, when DEWA sent 20 orphaned students on an educational trip to Singapore.

The Ambassadors of Innovation - Leaders of the Future programme, implemented by DEWA and Watani AI Emarat Foundation, supports the UAE's efforts to empower young people through creativity and innovation, as well as volunteer work among DEWA's employees whilst promoting Emirati-Chinese relations. The Innovation Ambassadors team included 10 high school science students, 5 students from DEWA Academy, and 5 Emirati DEWA technicians. The training areas included renewable energy generation and storage technologies, artificial intelligence (AI) systems, blockchain, fifth-generation network technologies, smart systems for electricity and water infrastructure, and electric vehicle technologies.



The trip comprised a full line-up of educational and technical programmes at institutions in Beijing, China. The ambassadors also met Huawei's team to understand fifth-generation communications mechanisms and participate in workshops at its R&D department. They visited Beijing University of Technology to participate in AI and blockchain workshops as well as the China Express Train Centre and

Student Innovation Centre. Finally, the ambassadors met Hanergy's specialised team in alternative energy, Beijing Automotive Industry Holding Company (BAIC), The Renewable Energy Research Centre, and the Smart Aircraft Company. The visit included cultural activities at the Great Wall, a number of museums, traditional markets, and other famous attractions.



MD & CEO of DEWA highlights Dubai's experience in renewable and clean energy in keynote address at World Energy Congress 2019

HE Saeed Mohammed Al Tayer, MD & CEO of Dubai Electricity and Water Authority (DEWA) presented Dubai's experience in renewable and clean energy in a keynote address on the second day of the 24th World Energy Congress (WEC), which was held under the patronage of HH Sheikh Khalifa bin Zayed Al Nahyan, President of the UAE. DEWA was a host sponsor of the conference, which was held under the theme 'Energy for Prosperity' in Abu Dhabi from 9-12 September 2019.

First, Al Tayer welcomed the guests of the United Arab Emirates, the first

Arab country and the first country of the Organisation of Petroleum Exporting Countries (OPEC) to host this global congress.

Al Tayer shared DEWA's experience in anticipating and creating the future of energy by innovating a future model for utilities based on innovative disruptive technologies in the production, transmission, and distribution of electricity and water, as well as clean energy production to transform Dubai into a global centre for clean energy and green economy.



DEWA Joins Nestlé in Inauguration of UAE's Largest Ground-mounted Private Solar Plant

In the presence of HE Saeed Mohammed Al Tayer, Managing Director & Chief Executive Officer of the Dubai Electricity and Water Authority (DEWA), HE Khalifa Al Zaffin, Executive Chairman-Dubai Aviation City Corporation & Dubai South, HE Massimo Baggi, Ambassador of Switzerland to the UAE and Bahrain, Dr. Franco Vigliotti, Project Head and Dean of the Swiss Federal Institute of Technology Lausanne (EPFL) in the Middle East, Marco Settembri, Executive Vice President Nestlé S.A. and CEO Zone Europe, Middle East & North Africa, and Yves Manghardt, Nestlé Middle East Chairman and CEO, the UAE's largest ground-mounted private solar plant was launched at Nestlé Middle East's Al Maha factory in Dubai.


The plant entails installing nearly 28,000 photovoltaic (PV) panels at the company's three manufacturing sites, that will generate 10GWh of electricity per year – eliminating at least six million kilograms of CO₂ emissions annually, the equivalent of annual emissions from 1,500 passenger cars or the energy consumption of 800 homes*. The largest site at Al Maha will alone house 20,000 PV panels, generating 7.2GWh of electricity and eliminating 4.5 million kilograms of CO₂ per year.





DEWA integrating and empowering People of Determination

- **Over 90% society happiness about DEWA's role in supporting People of Determination**
- **Friendly environment for Customers and Employees of Determination**
- **First government organisation in the UAE to launch video chat service in sign language with call centre staff**
- **DEWA's Innovation Centre trains Students of Determination on modern technologies**

 Dubai Electricity and Water Authority (DEWA) is a socially-responsible government organisation that is working to achieve the vision of the wise leadership by integrating and empowering People of Determination in society. This is done through numerous initiatives, programmes, and services based on well-defined plans and strategies aligned with the best global practices and standards. DEWA helps People of Determination to integrate

and achieve their happiness by creating and providing a qualified and flexible environment that allows them to unleash their capabilities and potential and fully integrate them in society. This also helps find new ways to involve them in their social environment as capable and creative individuals. These efforts have contributed to raising Social Happiness about DEWA's role as an organisation that supports People of Determination to 90.26% in 2018.



Integrating and empowering People of Determination

DEWA is committed to integrating and empowering People of Determination in four ways: employees, customers, society, and partners. To achieve this, DEWA formed an Advisory Council for People of Determination with members from all DEWA's divisions and departments. It also includes staff representatives who are People of Determination. The Council undertakes several tasks, including aligning DEWA's strategy with local and federal strategies for People of Determination.

DEWA has redesigned its Customer Happiness Centres to be easily accessible for them according to Dubai Universal Design Code and other international standards such as BS18300. All of DEWA's centres provide many services for People of Determination. These include free valet parking, wheelchair service, dedicated parking spaces, directional tactile paving for the visually-impaired, staff trained in sign language, dedicated comprehensive service desks, and conservation-tip booklets, locations and working hours of DEWA's Customer Happiness Centres in Braille.

Inclusive employment for People of Determination:

DEWA is committed to developing the skills and capabilities of its staff who are people of determination through training programmes based on the highest

international standards. Between 2015 and 2018, DEWA organised 273 training courses for Employees of Determination. The Absher Office at DEWA provides all required support to them during the inclusive employment journey from recruitment until retirement.

Integrating People of Determination into the workplace

DEWA is committed to achieving the happiness of its Employees of

Determination and helping them deal with personal and psychological pressures through Estisharati Service. DEWA also provides all occupational health and safety measures. DEWA trains friends of Employees of Determination, and members of the Absher team in First Aid and evacuation processes for People of Determination, and provides a trained and qualified colleague to support each Employee of Determination.





By the end of 2018, DEWA had trained 439 members of staff to assist People of Determination in emergencies, with 214 employees trained to use evacuation wheelchairs. DEWA organised 11 mock evacuation exercises in all its administrative buildings in cooperation with Dubai Police and the General Directorate of Civil Defence in Dubai.

Smart and innovative services

DEWA is committed to providing seamless access to information for Customers of Determination through its website and smart app according to Smart Dubai Government standards. DEWA launched several innovative and smart initiatives to support and empower People of Determination and streamline their access to information, such as making its website and smart app more accessible for them.

DEWA's website ranked first in 2016 and 2017 at 92% according to Smart Dubai Government.

Sign language

DEWA launched Ash'ir, which enables people with hearing difficulties to directly communicate with call centre staff via video chat using sign language around the clock. DEWA, with the participation of the UAE Deaf Association and the Community Development Authority,

developed the service and trained 15 staff to communicate in sign language. 9 DEWA staff received diplomas in sign language. DEWA is the first government organisation in the UAE to launch this pioneering service for using sign language through its smart app. DEWA also provides the Hayak written and visual communication service through its website.

Rammas Service

DEWA provides all its services through Rammas, its virtual employee based on artificial intelligence (AI) that is available around the clock through its smart app, website, and Facebook page. DEWA recently added an instant voice chat feature in Arabic and English for Rammas through its smart app that allows customers to verbally address their queries to Rammas and get an immediate reply.

Innovation in voluntary work

In February 2017, HH Sheikh Mansoor bin Mohammed bin Rashid Al Maktoum, Chairman of the Higher Committee for the Protection of the Rights of People of Determination, opened DEWA's Innovation Centre at the Dubai Rehabilitation Centre for People of Determination in Al Qusais. The centre provides over 150 students with disabilities with training in modern technologies. The centre's idea received

the UAE Ideas Award for promoting voluntary and humanitarian work at the 6th UAE Ideas Conference & Award, which was organised by Dubai Quality Group.

Supporting initiatives and programmes that integrate and empower People of Determination

Each year, DEWA supports various initiatives and programmes that integrate and empower People of Determination. Between 2015 and 2018, DEWA supported 37 community-based initiatives and sponsorships with 24 sponsorships and 13 community initiatives, with over three million benefitting. DEWA sponsors the annual AccessAbilities Expo, which provides a platform for government organisations to learn about the latest technologies, solutions and smart services, provided by international organisations.

Awards and recognitions

DEWA's CSR efforts contributed to achieving important local and international achievements, including the 'People of Determination Friendly Government Entity' award at the 21st Dubai Government Excellence Program. DEWA also received the MVO8000 in CSR, becoming the first government organisation in Dubai to receive this global standard.



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MD & CEO of DEWA presents UAE's economics of renewable energy and experience in solar power

HE Saeed Mohammed Al Tayar, MD & CEO of Dubai Electricity and Water Authority (DEWA), discussed the UAE's clean energy sector, its future evolution and growth, how the UAE is creating a comparative advantage at home, and influencing the growth of clean energy in the region and around the world, as it strives to achieve the wise leadership's long-term vision and the UAE Centennial 2071; to make the UAE the world's leading nation, and to ensure its sustainable development and happiness.

Al Tayar emphasised that these ongoing efforts will achieve the UAE Soft Power Strategy to increase the UAE's global reputation abroad by highlighting its identity, heritage, culture and contribution to the world.

Al Tayar made these remarks during his speech at the 3rd Aqdar World Summit, which is held in Moscow, Russia, under the patronage of His Highness Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces and in the presence of His Highness Lieutenant General Sheikh Saif bin Zayed al Nahyan, Deputy Prime Minister and Minister of the Interior of the UAE. The Aqdar World Summit is held under the theme 'Global Empowerment of Communities: Experiences and Lessons Learned.'

At the beginning of his speech, HE Al Tayar praised the directives of the wise leadership represented by His Highness Sheikh Khalifa bin Zayed Al Nahyan, President of the UAE; His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai; His Highness Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces; to make the UAE, the world's leading nation.

"I would like to thank His Highness Lieutenant General Sheikh Saif bin Zayed al Nahyan, Deputy Prime Minister and Minister of the Interior of the United Arab Emirates, for this opportunity to share what we have learned in the UAE about the economics of renewable energy and our experiences with solar power. I will tackle clean energy in the United Arab Emirates: its future evolution and growth, how we are creating a comparative advantage at home and influencing the growth of clean energy in the region and around the world" said Al Tayar in his speech.

"We, as a nation, share this common desire with the planet to achieve the Sustainable Development Goals 2030 of the United Nations and work to reduce the effects of climate change and global warming. This is why the UAE has many federal and local strategies to sustainable

development, with a specific emphasis on transitioning to a clean energy landscape.

"Currently, Abu Dhabi and Dubai are making considerable advances in the generation and development of clean energy sources, mainly solar power, in the UAE. Recently, the world's biggest solar photovoltaic plant of 1,177MW at Sweihan in Abu Dhabi Emirate was commissioned on the Independent Power Producer (IPP) basis. Dubai's main project under the Dubai Clean Energy Strategy 2050 is the Mohammed bin Rashid Al Maktoum Solar Park. This will be the largest single-site solar park in the world, which will have a capacity of 5,000 megawatts by 2030, generated from a range of photovoltaic and concentrated solar power technologies with a total investment of more than USD13 billion and reducing carbon dioxide by 6.5 million metric tonnes per year. The solar park features the value chain of solar power, from research and development, innovation to power generation, storage and continuous improvement, ensuring leading results in clean energy. The solar park has one of the most advanced and pioneering clean energy technologies in the world; including photovoltaic arrays, parabolic troughs, the world's tallest solar tower with heliostats and using molten salt for storage in order to generate clean energy; both day and night," said Al Tayar.

19 young male and female employees form DEWA's 2nd Youth Council

In line with Dubai Electricity and Water Authority's (DEWA's) strategy to empower young employees and enhance their leadership capabilities, HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, has approved the structure of DEWA's 2nd Youth Council. It includes 19 young staff representing all the sectors. The Council's strategy is based on five main themes: National Identity and Values, Continuing Education, Professional Development, Future Accelerators and Innovation; and Sustainability.

DEWA's Youth Council members include Aysha Alremeithi, Engineer, Sustainability, Water and Civil Division, Council President; Lubna Almaeeni, Engineer – Major Projects, Power and Water Planning Division; Ebraheim Alblooshi, Engineer – System Control, Distribution Power Division; Fatima Alansari, Engineer – Fire Protection System, Transmission Power Division; Mohamed Sajwani, Senior Operator, Operation Department, Generation Division; Nouf Almadani, Engineer – Future Accelerators, Innovation and The Future Division; Marwan Bin Doe, Senior Executive – Corporate Sponsorship, Strategy and Government Communications Division; Nouf Alsuwaidi, Legal Researcher, Legal Affairs, General Management; Ali Al Marri, Senior Executive, Billing Services Division; Ghaya Alfuqaei, Engineer, Water and Civil Division; Hessa Al Zaffin, Senior Executive, Employee Happiness, Business Support and Human Resources Division; Eissa Alhossani, Deputy Manager – Manpower Planning and Control, Business Support and Human Resources Division; Fatma Almuhairi, Senior Executive – Climate Change & Sustainability, Business Development and Excellence Division; Eissa Alshehi, Senior Executive, Innovation and the Future Division; Meera Almeel, Senior Regulations Engineer, Business Development and Excellence Division; Hassan Sabt, Engineer – Cable Projects, Distribution Power Division; Hamda Al Falasi, Senior Executive – Emiratisation, Business Support and Human Resources Division; Khalifa Alawadhi, Engineer – Transmission Civil Asset Management, Transmission Power Division; and Rashed AlRaeesi, Senior Accounts Officer – Debit Advice Finance, General Management.

Meet the members of DEWA's Youth Council in its 2nd cycle



Aysha Mohammad Alremeithi
Engineer - Sustainability
Water and Civil Division

Council's President



MEMBER
Fatima Alansari
Engineer - Fire Protection System
Transmission Power Division



MEMBER
Ebraheim Jalal Alblooshi
Engineer - System Control -
Distribution Power Division



MEMBER
Lubna Mohamed Almaeeni
Engineer - Major Projects
Power and Water Planning Division



MEMBER
Marwan Juma Bin Doe
Senior Executive - Corporate Sponsorships
Strategy and Government
Communication Division



MEMBER
Nouf Ahmad Almadani
Engineer - Future Accelerators
Innovation and The Future Division



MEMBER
Mohamed Yousif Sajwani
Senior Operator - Plant 1 - Operation
Department Generation Division



MEMBER
Ghaya Abdulla Alfuqaei
Engineer Architect -
Water and Civil Division



MEMBER
Ali Saeed Al Marri
Senior Executive -
Billing Services Division



MEMBER
Nouf Khalid Alsuwaidi
Legal Researcher -
General Management
Legal Affairs



MEMBER
Fatma Essa Almuhairi
Senior Executive -
Climate Change & Sustainability
Business Excellence and
Development Division



MEMBER
Eissa Salem Alhossani
Deputy Manager - Manpower
Planning & Control Business Support
and Human Resources Division



MEMBER
Hessa Mohammed Al Zaffin
Senior Executive - Employee Happiness
Business Support and
Human Resources Division



MEMBER
Hassan Khalid Sabt
Engineer - Cable Projects
Distribution Power Division



MEMBER
Meera Almeel
Senior Engineer Regulation
Business Development and
Excellence Division



MEMBER
Eisa Mohd Al Shehi
Senior Executive - Admin
Innovation and The Future Division



MEMBER
Rashed Ahmed AlRaeesi
Senior Accounts Officer -
Debit Advice Finance
General Management



MEMBER
Khalifa Jasim Alawadhi
Engineer - Transmission Civil
Asset Management
Transmission Power Division



MEMBER
Hamda Thani Al Falasi
Senior Executive - Emiratisation
Business Support and
Human Resources Division

INTERNATIONAL NEWS



UN Climate Action Summit 2019 says the last four years were the hottest years on record

▶ The UN Climate Action Summit held on 23 September 2019 in New York, called on world leaders to present concrete, realistic plans to enhance their nationally determined contributions by 2020, in line with reducing greenhouse gas emissions by 45 per cent over the next decade and to net zero emissions by 2050.

Global emissions are reaching record levels. The last four years were the four hottest on record and winter temperatures in the Arctic have risen by 3°C since 1990. Sea levels are rising, coral reefs are dying and we are starting to see the life-threatening impact of climate change on health, through air pollution, heatwaves and risks to food security.



India directs government companies to buy renewable energy

▶ In order to put growth back on track in the renewable energy sector, the Indian Government's Department of Public Enterprises and Economic Affairs has directed public sector companies to increase investment in renewable energy.

This is not the first time that the Indian government has asked public sector companies to increase exposure to renewable energy. Leading companies like Coal India, Airport Authority of India, Indian Oil among others have taken several measures to set up utility-scale as well as small capacity solar and wind energy projects.




South Korea to use environmentally friendly public ships

▶ The Ministry of Oceans and Fisheries in South Korea said it will gradually replace 140 government ships with those utilising clean energy sources by 2030 to meet tighter regulations on cutting carbon dioxide emissions and air pollution. The move contributes to developing technologies in the field of the environment-friendly ship industry.

The move comes in line with South Korea's new law, which will go into effect next year and obligates public organisations to adopt ships running on cleaner energy sources such as liquefied natural gas (LNG) by 2030. The International Maritime Organisation also ordered ships to reduce the amount of sulfur in their fuel starting next year.



Google to invest USD 150 million in renewable energy

 Tech giant Google plans to invest USD 150 million in green energy, through a renewable energy deal, which is one of the biggest deals in the company's history. The deal comprises 18 agreements for Google power supply using wind and solar projects around the world.

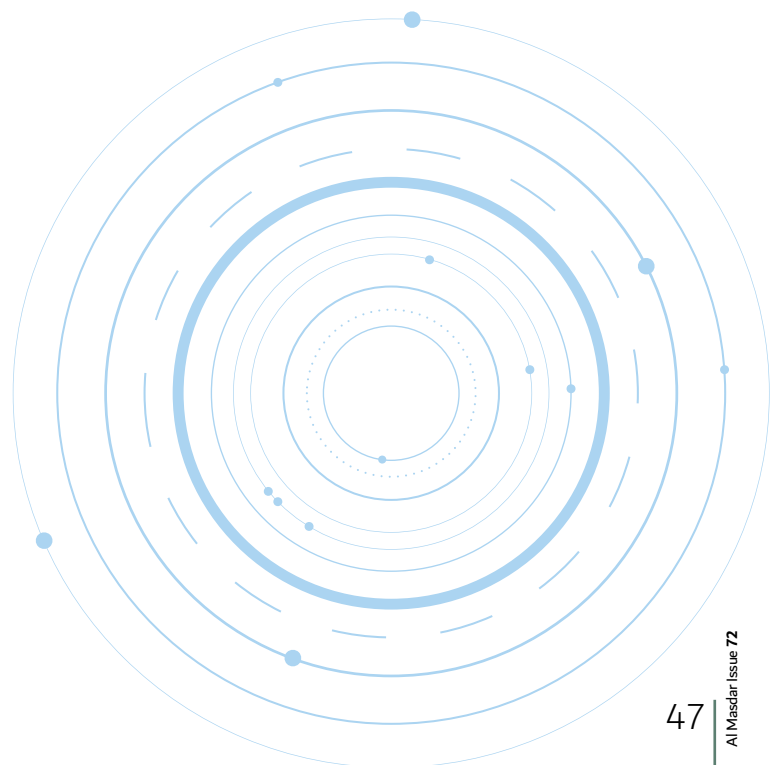
Google's Green Energy Wallet will grow by 40%, which allows the company to get more clean energy up to 1.6 Gigawatt or equivalent to million solar-powered homes. According to the Guardian, Google has become the biggest renewable energy buyer by relying on renewable energy sources in meeting its growing demand for power in operations and data centres.



World's top 10 sustainable companies

 German technology company Siemens has topped the 10 most sustainable companies in the world according to Richtopia. The US-based IT company Cisco came second. Cisco tries to develop energy efficiency by turning waste into energy sources. Coming third is Dutch electronics company Phillips, which plans to recycle 90% of operational trash and use 100% renewable energy.

Johnson & Johnson came fourth after enhancing energy efficiency and improving environmental performance in operations and products. The company aims to increase products recycling capacity by using compatible designs. DMS Netherlands, a company specialised in food and medicine, came fifth; French Dassault Systemes came sixth; Derwent London came seventh; McCormick came eighth; Henkel came ninth and BMW came 10th. BMW vehicles include seven electric cars and others are hybrid. Some 58% of power purchased by BMW are from renewable energy sources.



Barcelona - one of the most sustainable cities in the world



Barcelona, the Spanish city, is among the 30 most sustainable cities in the world, according to the annual report issued in 2018 by the Arcadiz Foundation, which provides a comprehensive view of how cities are approaching environmental, economic and social sustainability standards. London, Stockholm and Edinburgh were on the top of the list as the three most sustainable cities on earth.

The classification results were based on three main pillars: people (quality of life and social opportunities), the planet (energy consumption, pollution and emissions), and profit (business environment and economic performance). These three categories are closely aligned with the United Nations Sustainable Development Goals (SDGs).

Based on an environmental perspective, the best aspects of Barcelona's assessment are lower carbon dioxide emissions and energy

consumption; and an incentive package to encourage people to buy electric vehicles. To that end, the City Council has adopted a successful strategy to promote sustainable transport. Accordingly, almost 38 percent of vehicles registered in Catalonia is fully electric, making Barcelona the world's largest city in adopting measures to promote electric vehicles, thus becoming a model for other cities in the world.

Barcelona has also intensified its efforts to improve the relationship between the people in Barcelona and nature, especially as it is endowed with rich wildlife, with more than 2000 species of plants, 28 species of mammals and 184 species of birds, in addition to many reptiles and fish.

As for 'quality of life and social opportunities', the city has shown good results in terms of access to education, low crime, and the level of digitisation in transportation and

public services in general. In the context of classification, it should also be noted that Barcelona has the second highest life expectancy average for all cities analysed in this report.

In a related matter, Barcelona is the first global capital to join the Sustainable Global Capitals Initiative launched by the Abu Dhabi Urban Planning Council and the Abu Dhabi Council for Economic Development. The announcement was made at the World Economic Forum in Dalian, China, last September. The initiative is designed to create a global and regional alliance of sustainable global capitals and a network of leading experts, economists and representatives of the urban planning sector. This partnership seeks to shed light on strategies and recommendations aiming at enhancing the role of cities in addressing the challenges facing them in the field of urban planning and economic growth of diversified sources.