



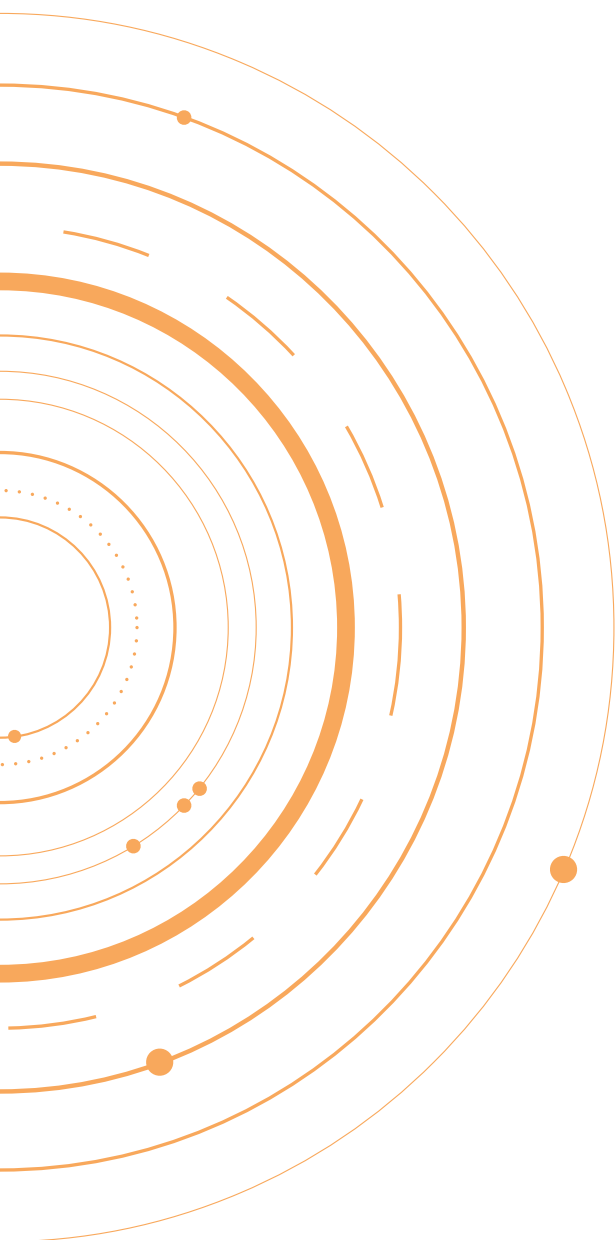
AL MASDAR

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**HH SHEIKH AHMED BIN
SAEED AL MAKTOUM
INAUGURATES 23RD WETEX
AND DUBAI SOLAR SHOW**





“ The journey of the 50 years has begun promptly, and everyone can participate in building the future we all seek. ”

HH Sheikh Mohammed bin Rashid Al Maktoum

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



MD & CEO MESSAGE

HE SAEED MOHAMMED AL TAYER
MD & CEO of DEWA

ACHIEVEMENTS THAT BOOST OUR CONFIDENCE TOWARDS THE UAE'S CENTENNIAL

As we bid farewell to the Year of the 50th, which marked the Golden Jubilee of the UAE's Foundation, we move towards 2022 with optimism and confidence in carrying on the journey of progress and prosperity to achieve the vision of the Founding Fathers who, on 2 December 1971, started the journey of success and excellence to build a nation that seeks the welfare and happiness for its citizens, residents, and visitors. The growth and development journey continues under the wise leadership of 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; and Their Highnesses the Members of the Supreme Council and Rulers of the Emirates. The UAE has become a role model for countries worldwide in shaping and anticipating the future. The UNESCO has approved the UAE's National Day as World Futures Day. On this day, countries will dedicate the occasion to foresee their future and readiness to create opportunities and plans for generations to come.

The second of December has become a synonym for determination and willpower. The UAE's unprecedented achievements over the past 50 years have proved that the word 'impossible' does not exist thanks to the forward-looking vision of the wise leadership that places investment in Emiratis and empowering young people as a top priority, while providing an environment that encourages innovation and creativity as well as all capabilities to achieve leadership and excellence. Thanks to this vision, the UAE has become one of the first countries to enter the recovery phase from COVID-19. It currently welcomes visitors from all over the world at Expo 2020 Dubai, which is a unique platform that tells the success story

of the UAE and spreads a message of hope for the whole world that challenges can be turned into opportunities. The global exhibition is also an opportunity to present the UAE's achievements over the past 50 years and its preparations for the next 50 years.

While we are proud of the UAE's achievements across all areas, we are honoured that DEWA has been part of these achievements, contributing to Dubai's efforts to become a global hub for a green economy. We have a clear strategy and a roadmap that depends on increasing the share of clean and renewable energy solutions, creating investment opportunities in the green economy, and balancing economic development with environmental sustainability. This is done through a clear strategy and a road map to transform Dubai into a centre of excellence and innovation in new technologies. This will achieve the Dubai Clean Energy Strategy 2050 and the Dubai Net Zero Emissions Strategy 2050 to provide 100% of energy from clean sources by 2050. DEWA's installed capacity has reached 13,417 megawatts of electricity and 490 million imperial gallons of desalinated water per day. The current clean energy share in Dubai's energy mix is 11.38% and is expected to reach 13.3% by the end of the first quarter of 2022.

Celebrating the UAE's 50th National Day is an opportunity to thank God for blessing us with a wise leadership that has made the UAE an oasis for prosperity and welfare and a role model for sustainable development. It is a call for Emiratis to carry on the development journey and enhance the UAE's competitiveness in all areas. As we begin another 50 years in the development journey, we pledge to our wise leadership to continue our efforts. We remain inspired by the Spirit of the Union as our guiding light to protect our national gains and attain more achievements to make the UAE the world's leading nation by its Centennial in 2071.

Our Purpose

Providing globally leading sustainable, efficient, and reliable power and water services, and related innovative smart solutions.

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.

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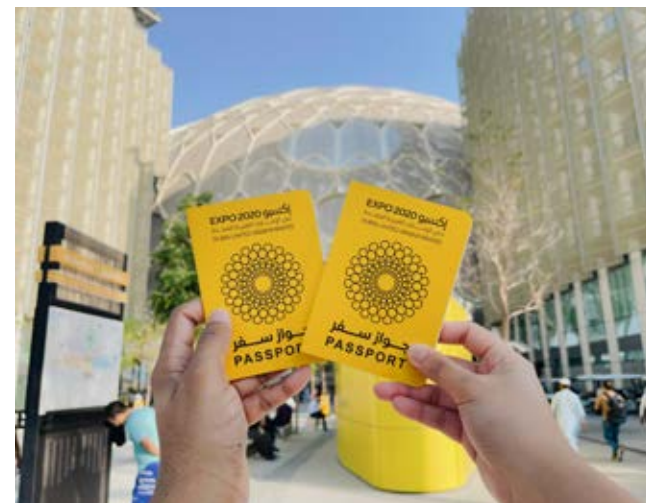
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HH Sheikh Ahmed bin Saeed Al Maktoum inaugurates
23rd WETEX and Dubai Solar Show

HH Sheikh Ahmed bin Saeed Al Maktoum, Chairman of the Dubai Supreme Council of Energy and Chairman of the Expo 2020 Dubai Higher Committee, inaugurated the 23rd Water, Energy, Technology, and Environment, Exhibition (WETEX) and Dubai Solar Show. DEWA organised the exhibition under the directives of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, and under the patronage of HH Sheikh Ahmed bin Saeed Al Maktoum until 7 October 2021 at Dubai Exhibition Centre, Expo 2020 Dubai. Under the theme 'At the Forefront of Sustainability,' the exhibition attracted more than 1,200 companies from 55 countries, with 61 sponsors and 10 country pavilions.

HH Sheikh Ahmed bin Saeed Al Maktoum was received by HE Matar Humaid Al Tayer, Chairman of DEWA, and HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, Founder and Chairman of WETEX and Dubai Solar Show.

The opening was also attended by HE Mariam bint Mohammed Saeed Hareb Almheiri, Minister of Environment and Climate Change; HE Lieutenant General Dhahi Khalfan Tamim, Deputy Chairman of Police and Public Security in Dubai; HE Abdulla Al Basti, Secretary General of the Executive Council of Dubai; HE Dawood Al Hajri, Director General of Dubai Municipality; HE Hilal Saeed Al Marri, General Manager of Department of Tourism and Commercial Marketing in Dubai; HE Dr. Hamad Bin Sheikh Ahmed Al-Shaibani, Director General of the Department of Dubai Islamic Affairs and Charitable Activities; HE Ahmed Buti Al Muhairbi, Secretary General of the Dubai Supreme Council of Energy; HE Saif Humaid Al Falasi, CEO of ENOC; and HE Ahmed Bin Shafar, CEO of Empower. Diplomats and officials from the government and private sector were also present.

"The forward-looking vision of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, has made Dubai a



pioneering platform for hosting and organising major exhibitions and events. WETEX and Dubai Solar Show have positioned themselves as one of the largest specialised exhibitions worldwide. The exhibition reflects DEWA's successful efforts to promote the transition towards using clean and renewable energy for major projects in collaboration with the private sector. Organising the exhibition this year at Expo 2020 Dubai underlines the importance of sustainability which is one of the UAE's top priorities. This aligns with Dubai and the UAE's efforts

to host the most sustainable world expo ever. Sustainability is ingrained in everything we've been doing - from buildings and construction to establishing a lasting legacy long after Expo 2020 Dubai is over," said HH Sheikh Ahmed bin Saeed Al Maktoum. "DEWA organised WETEX and Dubai Solar Show as an in-person event at Expo 2020 Dubai under the directives of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, and under the patronage

of His Highness Sheikh Ahmed bin Saeed Al Maktoum, Chairman of the Dubai Supreme Council of Energy and Chairman of the Expo 2020 Dubai Higher Committee. The exhibition provided an exceptional opportunity for sponsors, exhibitors, and visitors to be part of the first world Expo in the Middle East, Africa, and South Asia, and one of the first major events in the world since the start of the COVID-19 pandemic. Thanks to the vision of its wise leadership, the UAE was one of the first countries to recover from the pandemic," said Al Tayer.



HH Sheikh Ahmed bin Saeed Al Maktoum, accompanied by HE Saeed Mohammed Al Tayer and senior officials, toured the exhibition, country pavilions, DEWA's pavilion, and other exhibitors including Siemens Energy, Acwapower, Enoc, the Dubai Supreme Council of Energy, the Sustainable City in Dubai, and Ducab, among others.

His Highness Sheikh Ahmed bin Saeed Al Maktoum was briefed on the latest technologies, innovations, and new products in energy, water desalination, clean energy, environmental sustainability, oil and gas, Fourth Industrial Revolution,

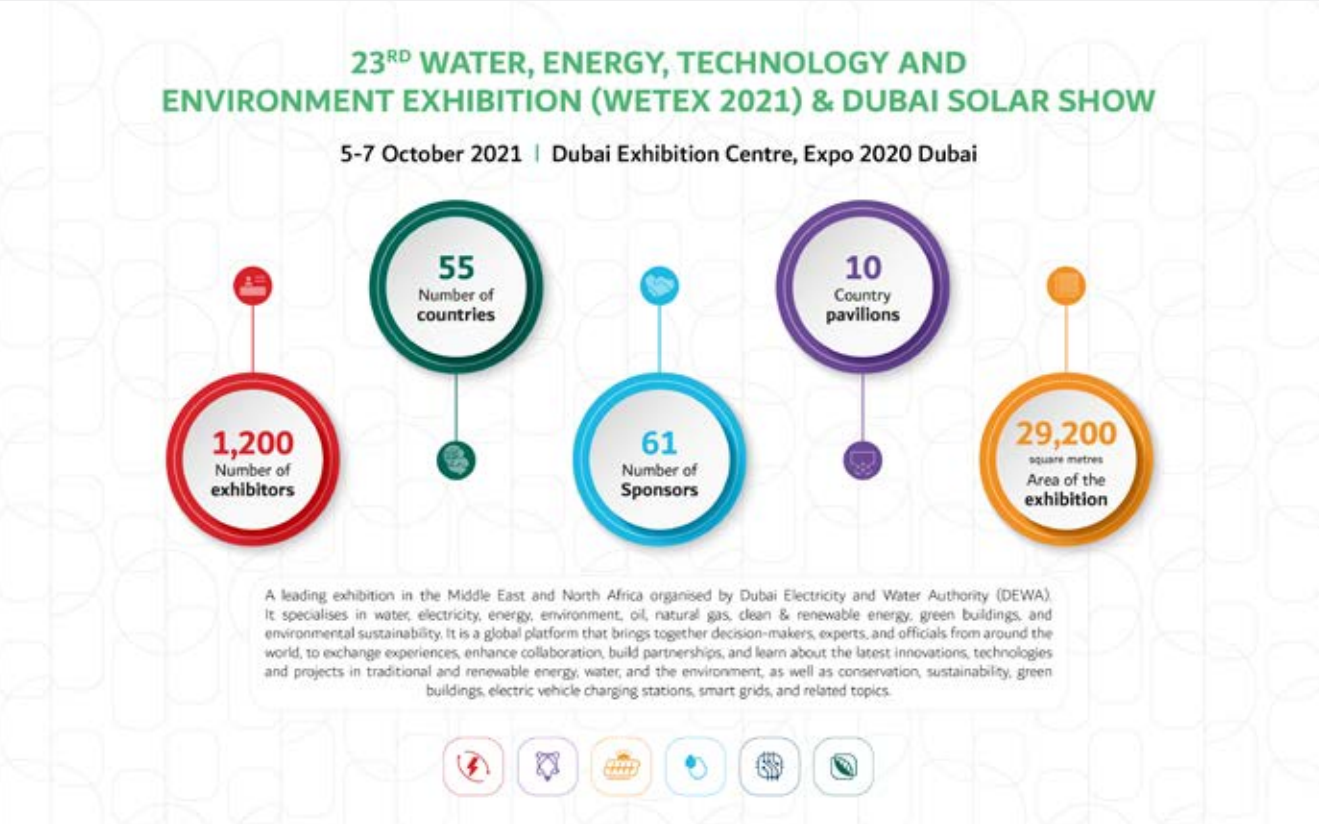
digital transformation, Artificial Intelligence, and R&D for clean and renewable energy.

The exhibition was spread over 29,200 square metres in the northern and southern halls at Dubai Exhibition Centre. Participating countries included Saudi Arabia, Egypt, Italy, Switzerland, Germany, Belgium, Ireland, Poland, South Korea and Chile.

Besides showcasing the latest technologies and innovations in energy, water, sustainability, renewable and clean energy, WETEX and DSS enabled visitors to attend

more than 55 seminars and panel discussions over three days. These activities brought together experts and specialists in the green economy, smart cities, innovation, sustainable development, and other major international companies such as Siemens Hitachi, ABB, Honeywell, Masdar, ACWA Power, and others. Companies also learnt about market needs during this global transition to renewable and clean energy in the UAE and the region.

WETEX & DSS were a resounding success and attracted over 45,506 visitors from around the world.



WETEX 2021 DUBAI SOLAR SHOW 5-7 OCT

WETEX & DSS enhance local and global partnerships between the public & private sectors

Over the past 23 years, the Water, Energy, Technology, and Environment Exhibition (WETEX) and Dubai Solar Show (DSS) have contributed to enhancing cooperation and integration between the public and private sectors locally and globally. The exhibition plays a crucial role in increasing the private sector's contribution to clean and renewable energy sectors as well as the environment, green buildings, and smart cities. The exhibition is an ideal forum that brings together the best experts, specialists, solution providers, investors, decision-makers, and consumers from the public and private sectors in energy, water, electricity, oil, gas, and the environment.

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA) Founder and Chairman of WETEX and DSS, noted that WETEX and DSS partners with the public and private sector, contributing effectively to consolidate the exhibition's position in the roadmap of exhibitions specialised in electricity, water, environment, oil, gas, green buildings, and environmental sustainability worldwide. Al Tayer said that the exhibition's success in attracting international companies from public and private sectors make it the largest of its kind in the region.

"The private sector is witnessing great momentum for green investments and supports the public sector's efforts in

this area. It offers advanced technologies with high quality and lower prices and supports funding eco-friendly long-term effective projects. The private sector also promotes innovation and finding sustainable solutions for a green economy. In Dubai and the UAE at large, the private sector's role in implementing renewable energy projects has enhanced the country's global position and thus attracted the largest companies and latest technologies. At DEWA, we work closely with our partners in the public and private sectors in several pioneering projects, especially the Mohammed bin Rashid Al Maktoum Solar Park, the largest single-site solar park in the world," added Al Tayer.

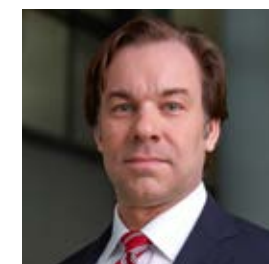


SAIF HUMAID AL FALASI
Group CEO, ENOC

"As a national oil company aligned with the sustainability vision of our leadership, we are always keen to participate in

WETEX as it is a strong regional and international platform that highlights the vital issues influencing the energy sector. The event also showcases innovative solutions and best practices for the energy sector, especially to support the energy transition to renewables. As the Integrated Energy Partner of Expo 2020 Dubai, our contribution in the 23rd edition of WETEX, is aligned with our theme 'Reimagine Energy', and we focus on educating visitors about energy trends and build dialogue around them," said HE Saif Humaid Al Falasi, Group CEO, Emirates National Oil Company (ENOC).

SIEMENS *Ingenuity for life*



HELMUT VON STRUVE
Siemens Middle East CEO

"Over the past two decades, WETEX has become one of the premier global events in the water, energy, and technology sectors, and we at Siemens were honoured to be Jubilee Sponsors of the latest edition of the exhibition. Siemens is looking forward to discussing and learning from our partners and peers about the latest innovations in these sectors, and showcase our best and most promising solutions, some of which are already in use or planned to be implemented by our partners at DEWA as well as at the Expo 2020 Dubai site itself," said Helmut von Struve, Chief Executive Officer of Siemens in the UAE and the Middle East.



MOHAMMAD ABUNAYYAN
Chairman of ACWA Power

"As always, we are pleased to play a strategic role in one of the largest

and most important global water, environment, and energy exhibitions led by DEWA. We are honoured to have established a robust partnership with DEWA to develop and operate vital projects that promote the sustainable development of the UAE and fortify Dubai's position as a global hub for sustainability, all the while contributing towards Dubai's ambitious Clean Energy Strategy 2050 to increase its renewable energy share to 75% by the year 2050. The partnership between ACWA Power and DEWA serves as an example for successful public-private partnerships geared towards supplying energy that is reliable, responsible and cost-effective," said Mohammad Abunayyan, Chairman of ACWA Power, commenting on the company's participation at WETEX 2021.





"This year, in its 23rd round, WETEX was more critical than ever due to the economic implications of the COVID-19 pandemic. Prioritising innovation today is key to unlocking growth – and WETEX is the ideal platform that gathers stakeholders, governments and companies who are eager to explore and reciprocate insights and visions on forward-looking smart technologies and electrification solutions for a prosperous future," added Abunayyan.

HITACHI ABB



DR. MOSTAFA ALGUEZERI

Managing Director of Hitachi ABB Power Grids

"This edition of WETEX came at a crucial time for businesses anticipating a post-pandemic economic growth surge. This year's physical exhibition is also a testimony of the tenacity of the UAE to tide over the pandemic and normalise the situation to pave the way for business and economic growth.

This year's focus for Hitachi ABB Power Grids was on sustainability and digitalisation, showcasing our pioneering technology and electricity solutions that will reinforce a carbon-neutral future. Combating climate change is one of the most urgent challenges of our time, and the energy transition is key to achieving a sustainable future, where electricity will be the backbone. The solutions and services are aimed at helping customers overcome complexity, increase efficiency, and accelerate the shift towards a carbon-neutral energy future," said Dr. Mostafa AlGuezeri, Managing Director of Hitachi ABB Power Grids for the UAE, Gulf, Near East and Pakistan.



MOHAMED JAMEEL AL RAMAHI

CEO of Abu Dhabi Future Energy Company (Masdar)

"This year's WETEX and Dubai Solar

Show was an important platform for Masdar to showcase how advances in technology and efficiencies in manufacturing have made renewable energy more accessible and affordable for all. As a longstanding sponsor of WETEX, Masdar is proud supporting our partner DEWA with this event, and in its efforts in achieving the UAE's ambitious clean energy goals," said Mohamed Jameel Al Ramahi, CEO of Abu Dhabi Future Energy Company (Masdar).

دوقاب Ducab



JAMAL SALEM AL DHAHERI

Chairman of Ducab

"The UAE's relentless pursuit of energy diversification has led to remarkable achievements within the renewable energy ecosystem. In particular, industrial innovation has greatly expanded the value produced by this ecosystem. Today, we are creating energy for change.

Visitors to this year's WETEX and Dubai Solar Show, as well as Expo 2020 Dubai more broadly, could see this progress first-hand—and a vision of where we are going next," said Jamal Salem Al Dhaheeri, Chairman of Ducab.



نيوم NEOM



GAVIN VAN TONDER

Executive Director of Water at NEOM

"We were pleased to participate in WETEX, alongside the most innovative companies and organisations in our region. Water is the world's most valuable resource, and it is no secret that the MENA region is one that is heavily dependent on desalination. We need to work together to meet the water requirements in our region and the rest of the world, in the face of the growing threat of climate change. At NEOM, we are committed to utilising the best minds and latest technology to achieve 100% recycling of wastewater,

creating a smart and connected water infrastructure, and investing in innovative water solutions that benefit the world," said Gavin van Tonder, Executive Director of Water at NEOM.



DP WORLD



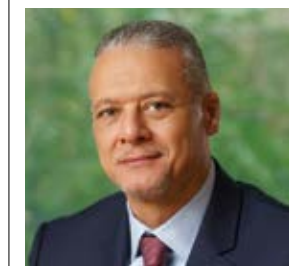
AHMAD AL HADDAD

Chief Operating Officer, Parks and Zones, DP World - UAE Region

"Sustainability and technological advancements are key pillars at DP World, UAE Region. Our efforts are aligned with the vision of His Highness Sheikh Mohammed bin Rashid Al Maktoum. To contribute to Emirates Green Agenda 2030 and Dubai Clean Energy Strategy 2050, we have consistently worked to improve energy efficiencies by utilising renewables like solar on-grid installations, IT solutions and smart operational technologies. Earlier this year, we collaborated with Etihad ESCO, a wholly-owned subsidiary of DEWA, to support us in our mission of renewable solar power installations across all DP

World's assets in the UAE. In this regard, events like WETEX and the Dubai Solar Show have enabled us to build on our core principles and showcase cutting-edge technologies and initiatives for environmental sustainability, and are integral to serve the national cause of a sustainable future," said Ahmad Al Haddad, Chief Operating Officer, Parks and Zones, DP World - UAE Region.

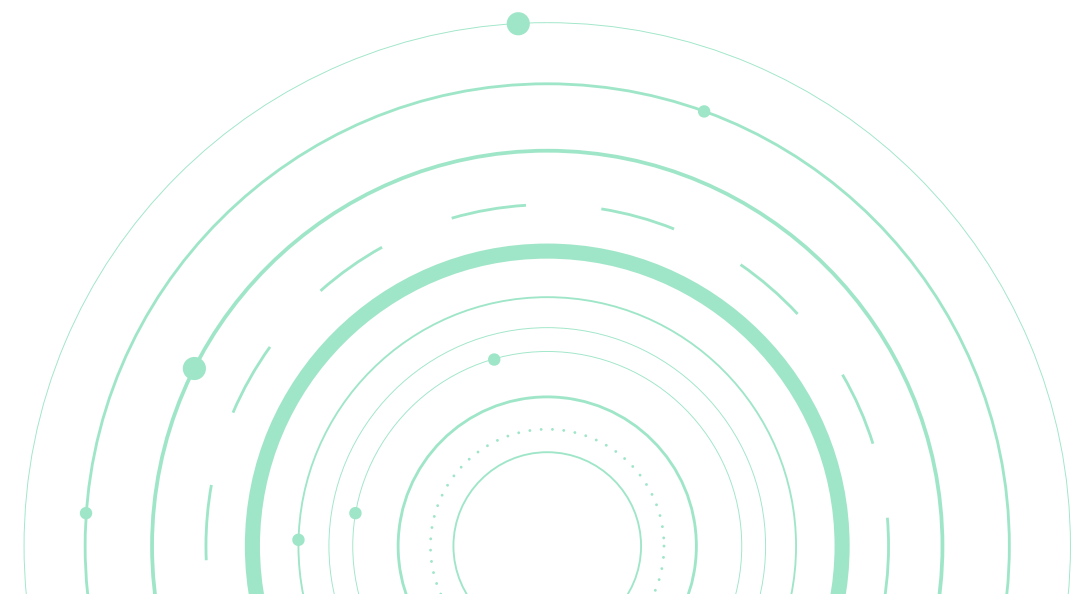
Honeywell



MOHAMMED MOHAISEN

President & CEO, Honeywell Middle East, North Africa, Turkey & Central Asia

"Helping to create a smarter and more energy-efficient Dubai remains a key commitment for Honeywell. We are working with our customers to achieve the goals set out in the government's sustainability plans and are proud to be appointed by DEWA for the next phase of the smart energy initiative. By leveraging our connected technologies, we are focused on promoting smarter electricity usage across the UAE," said Mohammed Mohaisen, President & CEO, Honeywell Middle East, North Africa, Turkey & Central Asia.



10 international pavilions at WETEX & DSS 2021

BELGIUM PAVILION



CHILE PAVILION



EGYPT PAVILION



GERMAN PAVILION



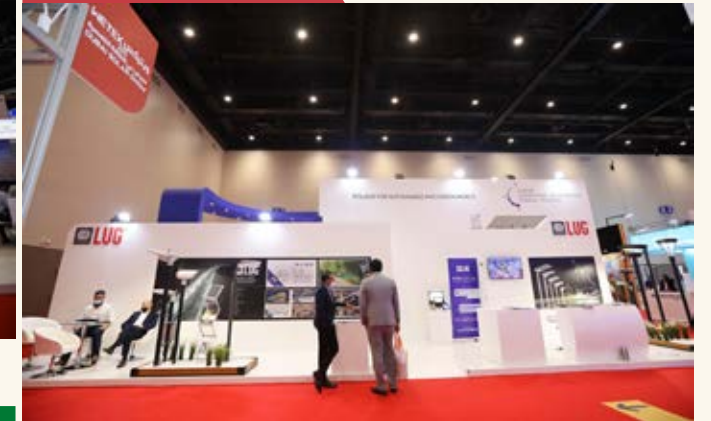
IRELAND PAVILION



ITALIAN PAVILION



POLAND PAVILION



SAUDI ARABIA PAVILION

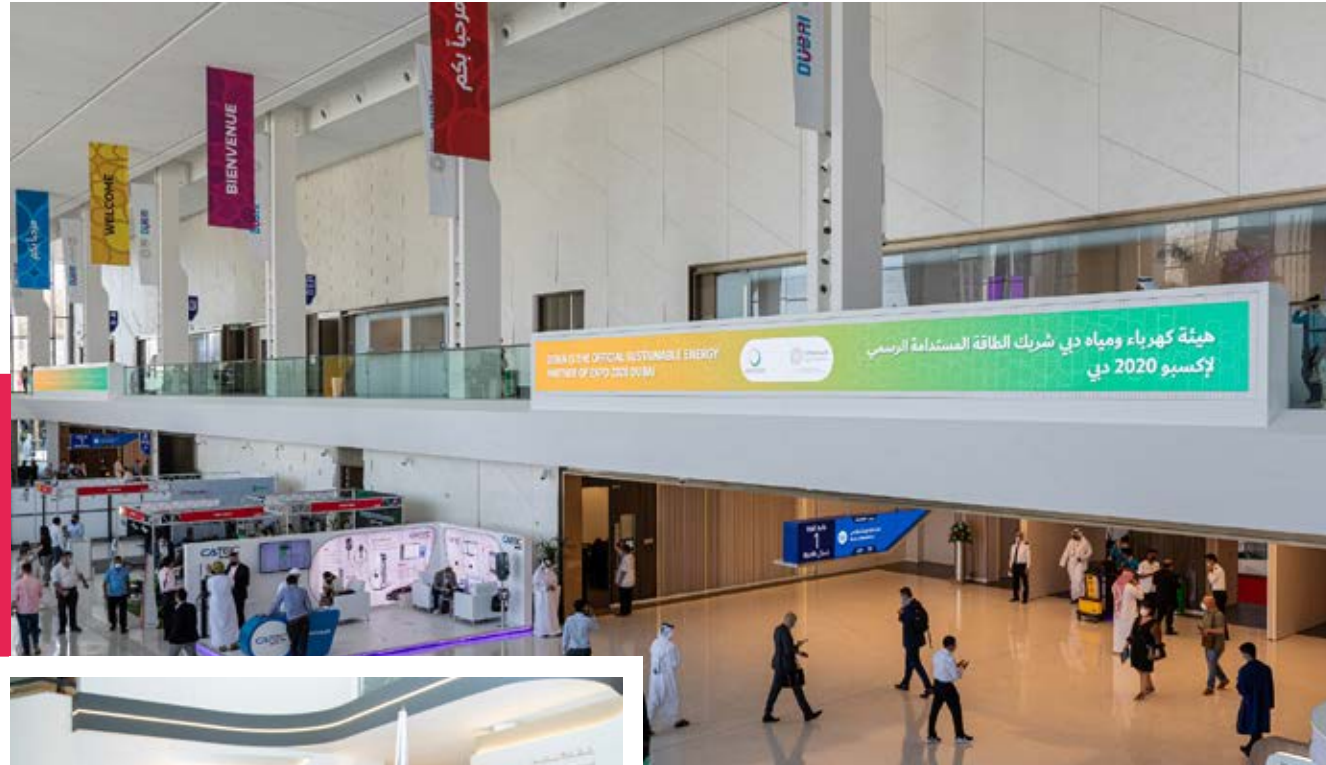


SOUTH KOREA PAVILION



SWITZERLAND PAVILION





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HH Sheikh Maktoum bin Mohammed bin Rashid Al Maktoum announces listing of DEWA on Dubai Financial Market

HH Sheikh Maktoum bin Mohammed bin Rashid Al Maktoum, Deputy Ruler of Dubai, Deputy Prime Minister, Minister of Finance, announced that DEWA will be listed on the Dubai Financial Market (DFM) in the coming months.

The listing is part of the Securities and Exchange Higher Commission's strategy to increase the size of the stock market in the Emirate to AED3 trillion, raise its competitiveness and encourage initial public offerings (IPOs).

Sheikh Maktoum highlighted the pivotal role that DEWA has played over the past decades and praised its contribution to Dubai's development. "DEWA is a key pillar of the development in Dubai.

Investing in DEWA is an investment in Dubai's future."

His Highness added that the listing will be carried out gradually due to DEWA's huge asset portfolio.

The DEWA listing, which will allow investors to access shares in profitable companies, represents a major step that will support the financial markets in the Emirate. Dubai plans to list other state-owned companies on the DFM as part of a broader strategy.

On this occasion, HE Saeed Mohammed Al Tayer, MD&CEO of DEWA, said, "First of all, I would like to extend my thanks and gratitude to His Highness Sheikh

Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai; His Highness Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of the Executive Council of Dubai, and His Highness Sheikh Maktoum bin Mohammed bin Rashid Al Maktoum, Deputy Ruler of Dubai, Deputy Prime Minister and Minister of Finance, for the announcement made by His Highness Sheikh Maktoum bin Mohammed bin Rashid Al Maktoum to list DEWA in the Dubai Financial Market, as he chaired the Higher Committee for the Development of Capital Markets and Exchanges in Dubai. The move reflects the forward-looking vision of His Highness Sheikh Mohammed bin

Rashid Al Maktoum to increase the value of Dubai's financial markets and its stock exchanges to AED 3 trillion, as well as strengthening the financial sector and investor confidence. This also consolidates Dubai's position as a global financial and economic hub."

Al Tayer added, "DEWA has achieved world-class results in the technical and financial performance indicators that are on a par with major global utilities. It has diversified its sources of income through pioneering projects in various fields in the energy and water sectors according to the highest standards of reliability and efficiency. DEWA enjoys a strong financial performance backed by investment in assets aggregating nearly AED 200 billion. We have more than one million customers, with around 7% annual increase in the number of new

accounts. We have projects valued at around AED 86 billion that are planned to be commissioned in the next five years, to meet the increasing demand for electricity and water in the Emirate. This is achieved through a clear strategy and a roadmap to transform Dubai into a centre of excellence for new technologies necessary to achieve net zero emissions and reach 100% clean energy by 2050. DEWA has succeeded in gaining the confidence of major investors to work in its major projects, especially in renewable and clean energy using the Independent Power Producer (IPP) model. Through this model, DEWA has attracted about AED40 billion. With its portfolio of diversified projects, DEWA is transforming Dubai into a global hub for clean energy, using different disruptive technologies, with a focus on diversifying the energy mix,

as we strive to improve the quality of life for all the people living in the UAE."

Al Tayer emphasised that listing DEWA in the Dubai Financial Market confirms the confidence of global investors in Dubai Government and its organisations, as well as the strong position DEWA enjoys. He noted that the move will help DEWA expand its scope of work and will contribute to providing new jobs for Emiratis, support the business sector and strengthen strategic partnerships between the public and private sectors. The listing will also encourage creativity and innovation, and enhance Dubai's position as a leading platform for global investments and a major tourist destination; supporting the Dubai 2040 Urban Master Plan, which aims to make Dubai the best city to live in.

Dubai takes the lead in addressing climate change with a strategy and roadmap to achieve net zero emissions by 2050



Dubai Future Council on Energy has conducted an in-depth study on how Dubai can achieve carbon neutrality (Net Zero Emissions) by 2050. This is in line with the vision and directives of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to promote the transformation of

Dubai to a carbon-neutral economy by 2050. The move also aligns with Dubai's commitment to sustainability and to enhance its proactive role in shaping and supporting the future of energy and climate change.

The study, its findings and impacts were presented to the Dubai Supreme Council of Energy, chaired by His Highness Sheikh Ahmed bin Saeed Al Maktoum, where it was approved and the decision to proceed with its implementation was taken by all concerned authorities in Dubai.

His Highness commented on the results of the study: "We are proud of the UAE's Net Zero by 2050 Strategic Initiative. This initiative reinforces the importance and timing of the study that was conducted due to the need to translate the goals into actionable roadmaps. Thanks to a detailed and solid roadmap covering all sectors, Dubai is taking a further step to continue its leadership in the field of clean energy, accelerate the pace of transformation that will enhance the green economy and create job opportunities, and transform

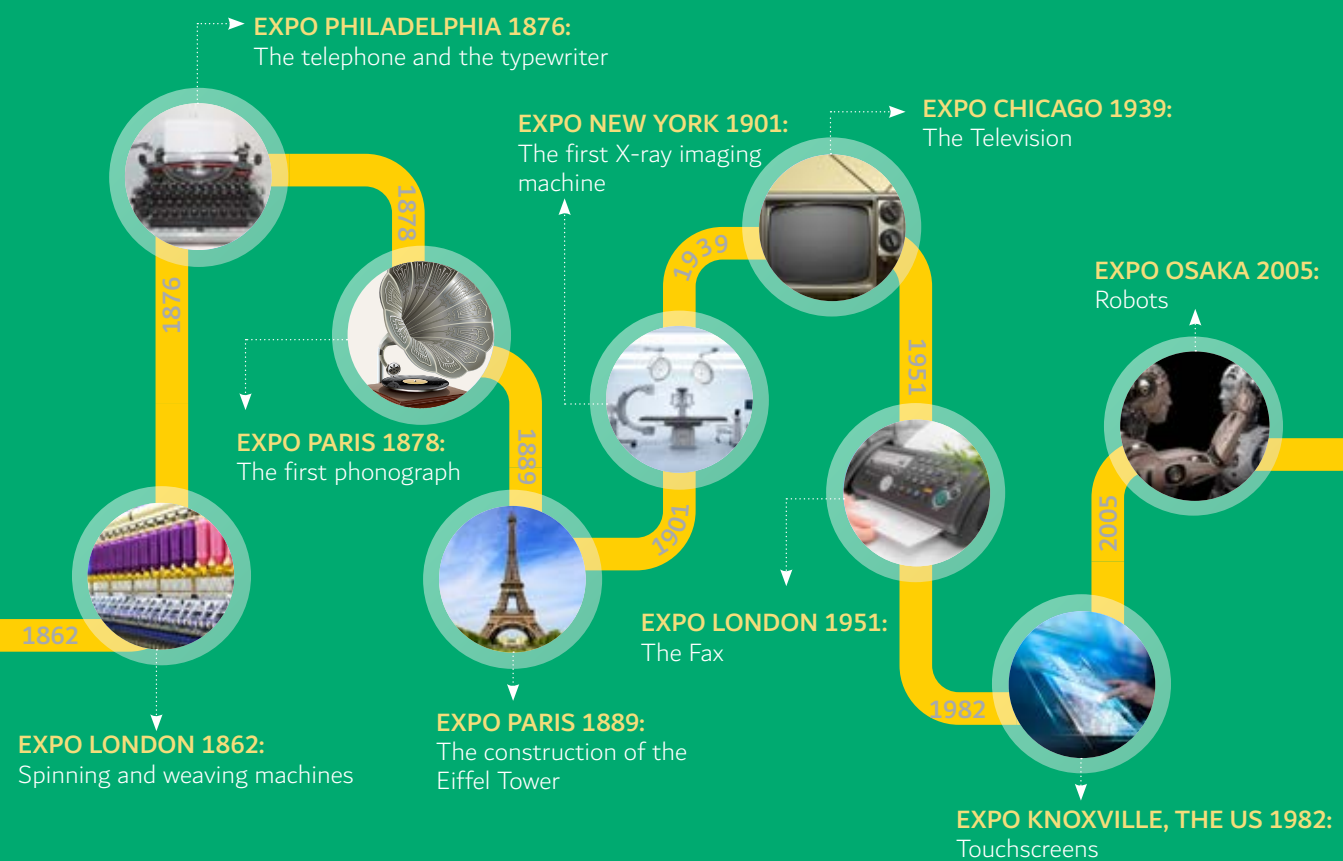
Dubai into a centre of excellence in the essential new technologies to achieve zero carbon emissions and reach 100% of clean energy by 2050."

HE Saeed Mohammed Al Tayer, Chairman of the Dubai Future Council on Energy and MD and CEO of DEWA, said: "The importance of Dubai's transition to carbon neutrality (Dubai Net Zero Emission Strategy 2050) highlights the importance of enhancing the emirate's leadership position in facing climate change through the deployment and use of renewable and clean energy technologies, creating investment opportunities in the field of green economy, achieving a balance between economic growth and environmental sustainability, and moving forward towards achieving the Sustainable Development Goals of the United Nations 2030. This initiative and the Dubai Roadmap for Zero Carbon Emissions 2050 are another important steps to be added to the Dubai Clean Energy Strategy 2050, which was launched by His Highness Sheikh Mohammed bin Rashid Al Maktoum, in 2015".

The Wonderful Story of World Expos

Expos, also known as World Expos, have existed in many forms over the past two centuries as a platform enabling countries to showcase their new technologies, products, and ideas. Prior to the shifts in mass travel, Expos were one of the few ways, people used to discover the cultures of other countries. Some grand 19th century Expos created a permanent impact on hosting countries.

From the first Expo in London in 1851 to Expo 2020 Dubai, the world has seen over 170 years of knowledge exchange. Many transformative discoveries and inventions, which have unified the world, revolutionised humanity, and changed people's lives, were first displayed in an Expo. Some are mentioned below:



Reference: "Dubai Post" website

Expo 2020 Dubai Passport, the perfect international event souvenir

Expo passport is a unique souvenir that documents your journey throughout Expo 2020 Dubai. You can decorate it with stamps, posters, and signatures to mark every moment of your unforgettable visit.

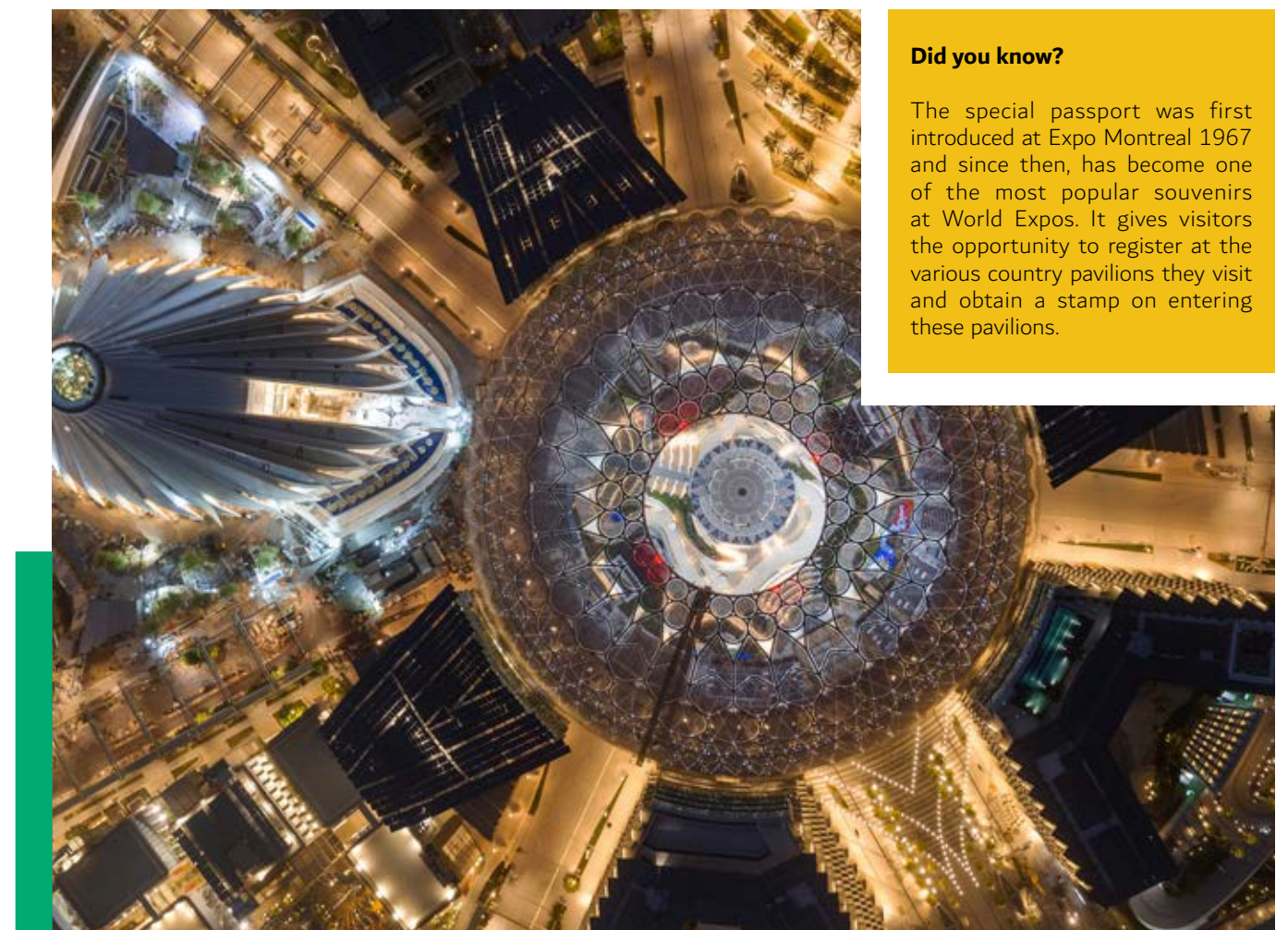
The passport will encourage you to visit as much pavilions as possible throughout the 182-day international event. Also, after the closure of Expo 2020 Dubai, you will be able to relive every special moment you had.

Additionally, it includes designs and images of the areas that represent the three main themes of Expo 2020 Dubai: (World of Opportunities - The Opportunity Pavilion, Alif - The Mobility Pavilion, and Terra - The Sustainability Pavilion), in addition to Al Wasl Plaza, the crown jewel of Expo 2020 Dubai, and many other fabulous landmarks in Dubai.



Did you know?

The special passport was first introduced at Expo Montreal 1967 and since then, has become one of the most popular souvenirs at World Expos. It gives visitors the opportunity to register at the various country pavilions they visit and obtain a stamp on entering these pavilions.





Promoting Sustainability and Climate Protection

Expo 2020 Dubai Pavilions Produce Clean Energy

Sustainability is an important aspect of the Expo 2020 Dubai and many participating countries are using clean energy to minimise their environmental footprint.

They have achieved this by installing solar photovoltaic (PV) panels, reflective, and radiation-diffusing panels on the roofs and facade of their buildings and taken various other environmentally conscious steps to utilise clean solar energy sources and limit greenhouse gas emissions.

THE UNITED ARAB EMIRATES

Shaped like a flying falcon, the UAE pavilion aims to promote sustainability and clean energy use. It comprises of 28 wings that can spread within 3 minutes and cover a range of 110-125 degrees. The building consists of two parts; internal and external.

As the wings fold, the external section covers the roof's internal parts to protect the photovoltaic (PV) panels against rain, sandstorms, or other unexpected weather changes. Alternatively, spreading the wings allows the PV panels to absorb solar power and transmit it to the main grid.

The rotation of the wings is initiated by 46 dedicated and synchronised hydraulic operations. Meanwhile, the solar PV panels cover the wings with a unique and aesthetically pleasing appearance when they are wide open and absorbing the rays of the sun. The locally-made solar panels power the pavilion and also store energy required for the spreading and closing of the wings.

THE SUSTAINABILITY PAVILION

The Sustainability Pavilion is a great example of a 100% self-sufficient building in terms of energy and water consumption. The Pavilion's 130-metre wide canopy has 1,055 PV panels that generate power and energy across its landscape.

The roof has a natural, circular design, accommodating as many PV panels as possible to facilitate the process of clean energy production. Moreover, the pavilion's technology helps generate 4GWh of electricity per year.

SAUDI ARABIA

The Saudi Arabia Pavilion at Expo 2020 Dubai has around 650 PV panels developed in the Kingdom.

FRANCE

The France Pavilion at Expo 2020 Dubai embraces environmental responsibility with a 5,000 square metre building that can be fully deconstructed, relocated, and reconstructed. Boasting an impeccable

design, the pavilion includes 2,500 square metres of PV panels. For the first time in its history of participating at an Expo, it is possible to completely deconstruct the building and transport it to France once Expo 2020 has concluded.

MONACO

The Monaco Pavilion includes PV panels that take care of 85% of its energy needs and power the entire building. The pavilion uses Building Integrated Photovoltaics (BIPV), supported by the patented Kromatix technology, on the main building's facet. Integrating solar cells in the glass panels, these Kromatix-powered panels generate 260W each. They also use regular PV panels on The rooftop.

Electricity generated by the Kromatix PV panels is fed into the main grid through a power adaptor. The regular PV panels generate 325W each, and are accurately oriented to provide optimal power generation throughout the system.

SINGAPORE

The Singapore Pavilion is designed as a self-sufficient ecosystem that will achieve net-zero energy over the event's 6-month period. The pavilion's energy demands are met by solar panels combined with other elements such as natural ventilation, solar shading, and landscaping.



All of these together contribute to regenerative design that aims to repair and restore the ecosystem and biodiversity while creating an environment in which humans can thrive as one with nature.

THE NETHERLANDS

Uniquely colourful PV panels adorn the pavilion and solar skylights are made of transparent and light organic PV solar cells.

MALAYSIA

The Malaysia Pavilion is inspired by

rainforests and designed to enhance sustainability through cutting-edge energy-efficient technologies. These include integrating helicopter fans to improve airflow, self-shading, green landscaping, vertical gardens, PV panels, and harvesting greywater.

The pavilion's roof has 40 PV solar panels generating 12,000KWh, which will function for the entire duration of the event and account for 10% of the pavilion's power needs. Upon closure of Expo 2020 Dubai, the pavilion's building will be deconstructed and its material reused.





Successful start to WGES 2021 at Expo 2020 Dubai

▶ The World Green Economy Summit (WGES) 2021, under the patronage of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, had a successful start in the Dubai Exhibition Centre at Expo 2020 Dubai.

Organised by DEWA and the World Green Economy Organization, the summit's first day featured 30 high-profile speakers, including former presidents and prime ministers, and business leaders of multinationals.

HE Saeed Mohammed Al Tayer, Managing Director and CEO of DEWA and Chairman of WGES, delivered his remarks to formally welcome all attendees to the 7th Summit. Al Tayer was followed by HE Mariam

bint Mohammed Saeed Hareb Al Mheiri, Minister of Climate Change and Environment of the UAE, who gave the opening address.

An opening video was played before an interview with former French President François Hollande, who also delivered a keynote address on the 'The Green Climate Fund, climate financing and progress since COP21. Mary Robinson, Chair of The Elders, former UN Special Envoy on Climate Change and former President of Ireland, graced the event as well to talk about 'Climate Justice for Future Generations.'

The first plenary panel discussion entitled 'Road to COP26', started with top-level officials including HE Aminath Shauna, Minister for Environment,

Climate Change and Technology of the Republic of Maldives; the Honourable Molwyn Joseph, Minister of Health, Wellness & the Environment, Antigua and Barbuda; Martha Delgado, Deputy Minister for Multilateral Affairs and Human Rights of Mexico; HE Ahmad Buti Al Muhairbi, Secretary General of the Dubai Supreme Council of Energy; and Ovais Sarmad, Assistant Secretary General, United Nations and Deputy Executive Secretary of the United Nations Climate Change Secretariat.

Shauna pointed out that Maldives is among the countries most affected by coastal erosion due to climate change and sea level rise. Shauna further emphasised the need to mobilise global efforts to face climate challenges in Maldives and worldwide.



Joseph called on those who are responsible for increasing the emissions to take responsibility for nations affected by pollution and climate change.

Al Muhairbi pointed out that several renewable energy projects were implemented in the GCC to preserve energy resources and move towards fulfilling our commitments under the Paris Agreement.

Sarmad stated that to make sure that the upcoming climate summit in Glasgow will achieve its objectives. Everyone must raise their ambition and allocate up to USD 100 billion to support the nations affected by climate change.

The second plenary panel focused on 'The Coming Green Infrastructure Boom' where guest speakers and participants examined the key challenges and opportunities in designing and building the green finance process. They also tackled various ways to position the GCC towards a green infrastructure and enable it to optimise the benefits arising from this growth.

The speakers included HE Hamad Obaid Al Mansoori, Director General of Digital Dubai; the Honourable Gennaro Migliore, President of the Parliamentary Assembly of the Mediterranean; and James Grabert, Global Head of the UNFCCC Regional Collaboration Centres and Director of Mitigation Division at the United Nations Climate Change Secretariat. Joining them were Nasser Hamad Abu Shehab, Chief Executive Officer - Strategy and Corporate Governance for Mobility at the Dubai Roads and Transport Authority; and Alexandra Palt, Chief Corporate

Responsibility Officer and Executive Vice President of the L'Oréal Foundation.

The WGES also featured a fireside chat to talk about the crucial role of youth in combating climate change in the Middle East. The Arab Youth Council for

Climate Change (AYCCC) represented the youth sector in the discussions that saw the council sharing its plans to ramp up the participation of the young people in climate change mitigation and development of climate priorities and policies ahead of the 28th session of the Conference of the Parties (COP 28).

Sharing their insights during the session were HE Shamma bint Suhail Faris Al Mazrui, Minister of State for Youth Affairs, UAE; and HRH Princess Abze Djigma, Special Envoy of the President for Resource Mobilisation for SDGs and Climate Change, Burkina Faso.

Moreover, Fredrick Reinfeldt, former Prime Minister of Sweden, delivered a keynote address titled 'Global insight: Learnings from Sweden's sustainable energy transformation.' His speech was followed by the second plenary panel discussion on 'Building back to NetZero: New Technology, Green Economy and Policies.'





business organisations. The State of Green was established as part of Denmark's preparations for the 2009 UN Climate Change Conference in Copenhagen. During the chat, Mortensen spoke about Danish Climate Partnerships and how these could provide a model for other countries in terms of implementing similar collaborations.

A fireside chat on 'Green Economy and Policies - Financing Africa's sustainable energy future' was featured as well. The session focused on the importance of financing green technology adoption in Africa. Furthermore, it highlighted the role of renewable energy and small power grids in addressing growing energy demand, especially in the sub-Saharan Africa, as well as in bridging gaps in cost and environmental impact. Among the speakers were Daniel Hanna, Global Head, Sustainable Finance, Standard Chartered

During this session, the participants discussed how to rethink, build, and prepare for a net-zero emission future. Additionally, they discussed the role of the COVID-19 pandemic, climate change and digital revolution in reshaping the business operations of different major sectors. The panellists were Xavier Anglada, Managing Director, Accenture Middle East; Ibrahim Al Zu'bi, Chief Sustainability Officer, Majid Al Futtaim; and Philippe Diez, Vice President EMEA, Energy & Sustainability Services, Schneider Electric.

Day one also included a fireside chat with Finn Mortensen, Executive Director, State of Green, a non-profit partnership between Denmark and four leading



Bank; and Richard Muyung, Head of Environment and Climate Change, Tanzania National Electric Company, Ministry of Energy, Tanzania.

Day one concluded with hybrid live and virtual open forums in which key takeaways were discussed, and questions were addressed. The speakers of the live sessions talked with attendees in the conference hall, while the speakers of the virtual sessions answered the questions and comments of the online participants.



World Green Economy Summit 2021 concludes with the announcement of the 7th Dubai Declaration

The 7th World Green Economy Summit (WGES), held under the patronage of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai concluded successfully on 7 October 2021. The summit, held under

the theme 'Galvanising Action for a Sustainable Recovery' brought together many prominent speakers from across the globe, in addition to dignitaries and representatives from government organisations, academicians, experts and the media.

HE Saeed Mohammed Al Tayer, Vice Chairman of the Dubai Supreme Council of Energy, MD & CEO of DEWA, and Chairman of WGES, announced the Dubai Declaration 2021 at the conclusion of WGES 2021, expressing his gratitude and appreciation to His Highness Sheikh



FEATURE STORY

Mohammed bin Rashid Al Maktoum, for his patronage of the Summit. He also thanked His Highness Sheikh Ahmed bin Saeed Al Maktoum, Chairman of the Dubai Supreme Council of Energy, for his presence at the opening ceremony of the summit and to everyone who contributed to the success of this summit.

“The 7th summit was held amid exceptional events and activities under the theme ‘Galvanising Action for a Sustainable Recovery’ and in conjunction with the historic Expo 2020 Dubai under the theme ‘Connecting Minds, Creating the Future’. These two themes are consistent with the UAE’s efforts to promote innovation and develop creative solutions in support of the country’s sustainable development goals and economic growth across all areas. The UAE has been a pioneer and a leading nation in adopting innovative solutions to advance its transformation into a green economy. Thanks to the directives and tireless efforts of HH Sheikh Mohammed bin Rashid Al Maktoum, Dubai has sustained its bid to be the global capital of the green economy. Dubai has been at the forefront of enhancing international cooperation to solve global challenges, especially those related to climate change, the environment and achieving a secure and sustainable future for all. The summit witnessed high-level dialogues, panel discussions, and seminars on ways to develop innovative sustainable solutions and stimulate innovation to support sustainable development. These were centred around the Summit’s four main themes: Youth; Innovation and Smart Technologies; Green Economy and Policies; and Green Finance,” said Al Tayer.

“In line with the vision of our wise leadership, we have a clear strategy and specific goals to increase the share of

clean and renewable energy in Dubai’s energy mix. Within this direction of our government, we have launched pioneering projects and initiatives to diversify clean energy sources. These include different clean and renewable energy sources and technologies such as solar photovoltaic systems, Concentrated Solar Power (CSP), green hydrogen production using solar power to be a new clean energy source in the future, pumped-storage water technology at Hatta hydroelectric power plant, and studying electricity generation technology from wind power. We will continue to work hard to achieve these ambitious goals. One of our key projects is the Mohammed bin Rashid Al Maktoum Solar Park, the largest single-site solar park in the world based on the Independent Power Producer (IPP) model, with a planned capacity of 5,000 megawatts (MW) by 2030 and investments of up to AED 50 billion (\$13.6 billion). The Solar Park’s projects constitute one of the key pillars of the Dubai Clean Energy Strategy 2050, which aims to provide 75% of Dubai’s total power capacity from clean energy sources by 2050. The UAE has served as a global model of resilience in times of crisis. This is evident in its immediate successful response to the COVID-19 pandemic. Thanks to our wise leadership, the country has been steadily recovering from this global health crisis, with our nation emerging stronger and more resilient,” added Al Tayer.

Dubai Declaration

- We recognise that climate change is an urgent global threat with impacts that reach beyond the environment agenda to include economic, social, and environmental challenges.
- We acknowledge that sustainable and green recovery should steer our efforts to rebuild the economy after the COVID-19 pandemic, as well as

to limit the temperature increase to well below 2°C aiming for 1.5°C above pre-industrial levels, in line with the Paris Agreement COP21.

- We encourage inclusive partnerships in which governments, businesses and civil society are part of collective action, for current and future generations.
- We encourage further support towards low carbon transition by developing a strategy and a roadmap for green hydrogen in Dubai.
- The World Green Economy Organization (WGEO) will continue as the leading platform and partnership enabler for international cooperation, knowledge-sharing and technology transfer between developed and developing countries, taking account of the special needs and circumstances of Least Developed Countries and Small Island Developing States, aiming to promote design and implementation of green economy policies at national, regional and global levels.
- We look forward to the fulfillment of commitments to the goals of the Paris Agreement, while rendering our full support for a successful UNFCCC COP26 to be held in November 2021 in Scotland, UK.
- We will coordinate and align the regional response to climate change for an effective implementation of the Nationally Determined Contributions (NDCs) and other national climate strategies and policies through UNFCCC WGEO Regional Collaboration Centre in Dubai, during MENA Climate Week 2022. This will coincide with the next World Green Economy Summit here in Expo 2020 Dubai in March 2022.

EVENTS/ACTIVITIES



DEWA joins Emiratis in celebrating Flag Day

DEWA has joined citizens, ministries and government institutions in the celebration of the Flag Day in response to the call of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE, and Ruler of Dubai, to raise the nation’s

flag on 3 November, the anniversary of the accession of HH Sheikh Khalifa bin Zayed Al Nahyan to the Presidency of the UAE. This was done in a festive atmosphere that showed belonging and loyalty to the UAE and pride in its national identity.

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, raised the UAE flag at DEWA’s headquarters, accompanied by DEWA’s Executive Vice Presidents, Vice presidents, and staff. DEWA employees watched the event on DEWA’s internal portal, Freejna.



DEWA celebrates 50th National Day

Celebrations included poetry sessions, heritage activities, competitions and prizes

DEWA has celebrated the 50th National Day in an atmosphere of traditional heritage. The celebrations were attended by HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, Executive Vice Presidents, Vice Presidents, and staff.

In his speech, Al Tayer extended his congratulations to 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, and Their Highnesses the Members of the Supreme Council and Rulers of the Emirates, Their Highnesses the Crown Princes, Deputy Rulers; and citizens and residents of the UAE.

DEWA's celebrations of the 50th National Day featured a variety of activities, including a poetry session

with Emirati poets Musabah Ali Al Kaabi, Hamda Al Mur Al Mehairi, Hadi Al Mansouri, and Saif bin Salem Al Mansouri. The audience also enjoyed traditional performances by the Emirati Al Harbiya band. Celebrations also included heritage activities such as the traditional games corner, Emirati traditional foods, a henna corner and digital instant photography with a touch

of Emirati heritage. DEWA also launched an internal microsite for employees that included information about the Founding Fathers, the UAE's most prominent achievements of during the past fifty years, information about Hatta, and other national topics. There were also online competitions on National Day. Winners received great prizes, including 50 tickets for Expo 2020 Dubai.



The UAE 50th National Day celebrations at DEWA's centres



Al Hudaiba

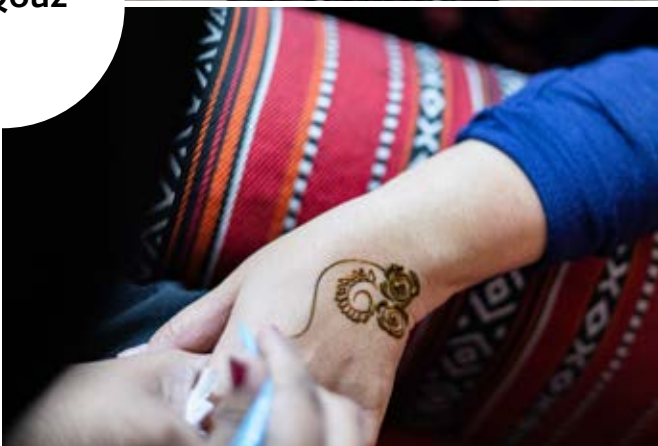


Jebel Ali

EVENTS & ACTIVITIES



Al Qouz



Al Warsan



Al Ruwaya



DEWA officials and staff mark Commemoration Day and affirm that the nation's martyrs will always be a guiding light for giving and sacrifice

DEWA has marked Commemoration Day on 30 November, 2021. HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, Executive Vice Presidents, Vice Presidents, and DEWA officials and staff observed a minute of silence at 11:30am. They prayed to Allah Almighty for the UAE martyrs to dwell in heaven, and for the bereaved families to be given patience and solace. While the National Anthem was played, Al Tayer raised the UAE flag in the presence of all employees.

"Commemoration Day is a shining memory and a national event that is a source of pride for every citizen and resident in the UAE. The heroism and sacrifices of the UAE martyrs who gave their lives to protect the UAE and its achievements, helped make our country an oasis of peace and security under the

wise leadership of His Highness Sheikh Khalifa bin Zayed Al Nahyan, President of the UAE; His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai; and His Highness Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces. On this solemn day, we renew our pledge to make the sacrifices of the UAE martyrs a guiding light in our efforts to give back to our homeland so that we protect its achievements and continue the excellence journey through sincere and dedicated work to keep the UAE flag fluttering high. We pray to Allah Almighty that the souls of our martyrs rest in peace and to give solace to their families, and to continue to bless the UAE with peace and security," said Al Tayer.





Several MoUs signed in DEWA's stand at GITEX 2021



Marwan Bin Haidar, Executive Vice President of Innovation and the Future at DEWA; and Salvador Anglada, Group Chief Business Officer in Etisalat, signed the MoU.

Moro Hub (Data Hub Integrated Solutions), a subsidiary of Digital DEWA, signed an SD-WAN Managed Service Provider (MSP) agreement with OmniClouds, a leading technology start-up in the cloud service provider (CSP) space for the Middle East region. Mohammad Bin Sulaiman, CEO of Moro Hub and Amr Eid, CEO and Board Member of OmniClouds attended the signing.

Moro Hub also signed an MoU with Atos, to strengthen collaboration in exploring advanced technologies. The MoU was signed Marwan Bin Haidar, Vice Chairman and Group CEO of Digital DEWA; and Marc Veelenturf, Atos CEO for the Middle East and Turkey.

InfraX, a subsidiary of Digital DEWA, has partnered with WoM Technologies for its planned rollout of the first-ever Low

DEWA's stand at the 41st GITEX Technology Week, hosted the signings of several MoUs between DEWA, Digital DEWA, its digital arm, and DEWA's subsidiaries on the one hand; and a group of leading local and international companies on the other hand.

DEWA signed an MoU with Etisalat to speed up digital transformation using Etisalat's MobileHub platform to enhance their integration with DEWA's applications. This provides instant and effective dashboards and reports to help the management in decision-making.



Power Wide Area Network (LoRaWAN) wireless Internet of Things (IoT). Rashid Alahmadi, Chief Operating Officer at InfraX, and Badar Rashid Al Balushi, Chairman of WoM Technologies signed the MoU. The landmark partnership will strengthen digital transformation in Dubai's utility sector. Under the partnership, InfraX and WoM will develop and deliver the infrastructure required to enable many advanced IoT applications and use cases. This secure digital connectivity enables better management of resources, faster data access, lower operational costs, higher infrastructure performance and more effective delivery of services.



HH Sheikh Maktoum bin Mohammed bin Rashid Al Maktoum visits DEWA's platform at GITEX 2021

His Highness Sheikh Maktoum bin Mohammed bin Rashid Al Maktoum, Deputy Ruler of Dubai and Deputy Prime Minister and Minister of Finance, visited DEWA's stand at the 41st GITEX Technology Week, in Dubai World Trade Centre.

His Highness was briefed on several of DEWA's projects and innovative digital services, which help reshape the concept of utilities and the future of services and pave the way for innovations of the next decade in the utility sector.

His Highness received a briefing from Marwan Bin Haidar, Executive Vice President of Innovation and the Future at DEWA, on projects by Digital DEWA, DEWA's digital arm.



DEWA also highlighted a group of its pioneering services and initiatives, such as the Virtual Reality Training Simulator for Distribution Network

Switches and Operations, GIS Advanced Analytics & Decision-Making Apps, and the Drone Flight Hub system (Flying Eagle).



DEWA Platinum Sponsor of Aqdar World Summit

DEWA participated in the 4th Aqdar World Summit, as the Platinum Sponsor of the event. An initiative of Khalifa Empowerment Program, the summit brought together leading companies and organisations from all over the world until 30 October 2021 at the Dubai Exhibition Centre at Expo 2020 Dubai.

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, emphasised that the Aqdar Summit had become a key knowledge platform that the UAE offers to the world to exchange experiences and best practices, with the participation of prominent leaders, decision-makers, experts, and professionals from around the world

to come up with innovative solutions to empower societies and ensure their prosperity.

“We are pleased that DEWA was the platinum sponsor of the 4th Aqdar World Summit, organised under the theme ‘Positive Global Citizenship – Empowerment of Sustainable Investment Opportunities’. The summit supports the UAE’s efforts to promote meaningful and constructive dialogue and its plans to bring countries and people together to exchange experiences and best practices on empowering societies in their human, cultural and intellectual aspects. The summit also reflects the vision and directives of the wise leadership for the UAE to be

a centre of civilisational and cultural inspiration for the region and the world.

“Through DEWA’s participation in the summit, we show Dubai’s experience in the transition towards renewable and clean energy. The share of clean energy capacity in Dubai’s energy mix has reached around 10%, with plans to reach 13.3% by the end of Q1 of 2022. We are diversifying the sources of clean energy production to include all available technologies such as solar photovoltaic systems, Concentrated Solar Power (CSP), green hydrogen production using solar power, pumped-storage water technology, and the possibility of electricity generation from wind power,” added Al Tayer.

HE Saeed Mohammed Al Tayer participates in opening of Sustainability Gate at Expo 2020 Dubai



As part of the daily symbolic ceremony by prominent people and partners, HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, participated in the opening ceremony of the Expo 2020 Dubai Gate that leads to the Sustainability District, which welcomes delegations from 192 countries along with millions of visitors.

The inauguration was also attended

by Waleed bin Salman, Executive Vice President of Business Development and Excellence at DEWA; Dr. Yousef Al Akraf, Executive Vice President of Business Support and Human Resources at DEWA; and Khawla Al Mehairi, Executive Vice President of Strategy and Government Communications at DEWA.

Also in attendance were university students participating in the second

Solar Decathlon Middle East (SDME), organised by DEWA at the SDME Village at the Mohammed bin Rashid Al Maktoum Solar Park, under the patronage of HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of Dubai Executive Council, as part of a partnership between DEWA, Dubai Supreme Council of Energy, and the US Department of Energy.

DEWA achieves Guinness World Record for world's first 3D-printed laboratory



DEWA has marked another breakthrough by achieving the Guinness World Records title for the first 3D-printed laboratory in the world. The record was awarded for DEWA's Robotics & Drone laboratory, housed within the Research & Development (R&D) Centre at the Mohammed bin Rashid Al Maktoum Solar Park. HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, received the certificate from representatives of Guinness World Records.

Earlier this year, DEWA's Jebel Ali Power Generation & Water Production Complex was confirmed by Guinness World Records as the largest single-site natural gas power generation facility in the world. The Complex has an electricity generation capacity of 9,547 MW. DEWA also seeks to set two new records for the tallest solar tower in the world at 262.44 metres and the largest 700-megawatt Concentrated Solar Power (CSP) plant in the fourth phase of the Mohammed bin Rashid Al Maktoum Solar Park.



WGEO receives Observer Status from the UNFCCC at COP26

In a new global achievement for the World Green Economy Organization (WGEO), HE Saeed Mohammed Al Tayer, Chairman of WGEO has received the Observer Status on behalf of the Organization, from United Nations Framework Convention on Climate Change (UNFCCC) during the 2021 United Nations Climate Change Conference (COP26), held recently in Glasgow, UK.

His Excellency Al Tayer received the certificate from Waleed Bin Salman, Vice Chairman of the World Green Economy Organization, and Abdul Rahim Sultan, WGEO's Director.

HE Al Tayer said: "I am honored to congratulate His Highness Sheikh Khalifa bin Zayed Al Nahyan, President of the UAE; His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, and His Highness Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces, for WGEO receiving the Observer Status from the United Nations Framework Convention on Climate Change".

"WGEO's accreditation as a Non-Governmental Organization with

observer status, is an important milestone in our journey. This represents a key commitment towards the world in promoting the adoption of a green economy and the achievement of sustainable development. With the observer status, WGEO can now start developing position papers and making formal submissions in response to calls for information and views by negotiating bodies. WGEO also looks forward to the opportunities this Observer Accreditation will bring to the Organization to further the climate action agenda and support the global transition to a greener economy" added Al Tayer.

DEWA wins 5 awards at Dubai Government Excellence including Elite Award



HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, has honoured DEWA with 5 awards at the Dubai Government Excellence Awards 2021. The most prominent award is the Elite Award, which is awarded to government entities that score 600 points or more. Other awards include the Best Entity in the Emiratisation Field, Dubai Medal for Specialised Employee, Dubai Medal for Young Employee, and special recognition for the Unknown Soldier.



HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, thanked HH Sheikh Mohammed bin Rashid Al Maktoum; HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of the Executive Council of Dubai; and HH Sheikh Maktoum bin Mohammed bin Rashid Al Maktoum, Deputy Ruler of Dubai,

Deputy Prime Minister and Minister of Finance, for their continuous support for excellence and leadership within government, to help it achieve world-class

Dr. Aesha Abdulla Alnuaimi, Director of DEWA's Solar Innovation Centre,

received the Dubai Medal for Specialised Employee. Aysha Mohammad Alremeithi, Senior Engineer - Innovation Ecosystem and DEWA's Youth Council President, received the Dubai Medal for Young Employee. Gulzar Shah from the Transmission Power Division at DEWA, received the Unknown Soldier award.



DEWA awards winners of 2nd SDME 2021

HE Saeed Mohammed Al Tayer, Vice Chairman of the Dubai Supreme Council of Energy and MD & CEO of DEWA has awarded the winning teams in the second Solar Decathlon Middle East (SDME), which is under the patronage of HH Sheikh Hamdan bin Mohammed bin Rashid al Maktoum, Crown Prince of Dubai and Chairman of the Executive Council of Dubai. DEWA organised the competition as part of its partnership with the Dubai Supreme Council of Energy with the US Department of Energy.

Team SCUTxCCSIC of the South China University of Technology took first place; Team Sharjah of the University of Sharjah came second, and Team Go Smart, University of Bahrain, was third.

The ceremony was attended by HE Ahmad Buti Al Muhairbi, Secretary General of the Supreme Council of

Energy; HE Meghan Gregonis, United States Consul General in Dubai, and a number of diplomats, university presidents, professors, and students, and many officials from the public and private sectors.

Al Tayer and several officials toured the houses that won the top three positions. A total of 8 teams representing 12 universities from around the world have participated in the 2nd SDME. This comes amid a wide recognition for the models presented that were sustainable and innovative.

The second competition had 8 teams from 12 universities: Team KU of Khalifa University, UAE; Team Sharjah of University of Sharjah, UAE; Team Desert Phoenix of University of Louisville (USA), Higher Colleges of Technology (UAE), American University

in Dubai, and American University in Sharjah; Team HARMONY of The British University in Dubai; Team ESTEEM of Heriot-Watt University, UK and Heriot-Watt University, Dubai; Team TAWAZUN of Manipal Academy of Higher Education Dubai Campus; Team Go Smart, University of Bahrain; Team SCUTxCCSIC of the South China University of Technology.

SDME encourages the university teams to design, build, and operate sustainable models of cost-effective and energy-efficient solar-powered homes, with a focus on protecting the environment, taking into consideration the climate of the region. The teams competed in 10 contests: architecture; engineering and building; energy management; energy efficiency; comfort conditions; house functioning; sustainable transport; sustainability; communications, and innovation.



MD & CEO welcomes
UK Minister of
Pensions and
Financial Inclusion



HE Saeed Al Tayer
discusses cooperation
with UK Secretary of
State for Transport



MD & CEO meets
State Secretary at
Germany's Federal
Ministry for Economic
Affairs and Energy



HE Saeed Mohammed
Al Tayer welcomes
the US Consul General
to DEWA's Innovation
Centre



MD&CEO of DEWA
welcomes Minister-
President of the
Government of
Wallonia, Belgium



HE Saeed Mohammed
Al Tayer meets Lord
Mayor of German city
of Essen



HE Saeed Mohammed
Al Tayer welcomes
Senegalese Minister
for Environment and
Sustainable Development





HE MARIAM BINT MOHAMMED SAEED HAREB ALMHEIRI

Minister of Climate Change and Environment

The UAE won the bid to host COP28, the largest global conference to address climate change and environmental protection, in 2023. What are the most important goals that the UAE intends to achieve through hosting the conference, and how will it stimulate climate action efforts?

First of all, we are proud of the UAE winning the honour of hosting COP28, especially as it reflects the confidence of the international community in our capabilities and potential, and its appreciation for the political commitment of our wise leadership to the issue of climate change, and for the efforts and achievements we have made over the past years in terms of climate action at the local and global levels.

Hosting of COP28, the biggest and most important climate-related conference on the planet, is fully aligned with our policy and the role we play in mobilising global efforts to devise practical and viable solutions to global issues, most notably the issue of climate change, for the good of mankind

as a whole. Therefore, we are keen to use the platform of the conference to highlight the UAE's pioneering role in achieving sustainable development goals in general, and climate-related goals in particular. We also look forward to sharing our enriching and successful experience in climate action with other countries of the world, and working to facilitate dialogue between different groups to draw up innovative solutions to the most important challenges, and to transform these challenges into development opportunities that fairly benefit all countries of the world. Furthermore, we will work to engage young people in all dialogues, negotiations and all events of COP28.

The UAE announced its Net Zero by 2050 Strategic Initiative. What are the main objectives and implementation mechanisms of the initiative?

The initiative represents the logical conclusion of the series of climate-related strategies and initiatives launched by the UAE in recent years, and is fully consistent with our commitment to work with the

international community to mitigate climate change.

We are also proud that we were the first to announce such an initiative in the region, which confirms the priority given to climate change on the vision of our wise leadership.

Through this initiative, we aim to coordinate national efforts in the government and private sectors and involve all stakeholders in working to reduce carbon emissions to mitigate climate change.

Meanwhile, we seek to create new economic sectors and jobs in all areas covered by the initiative, in line with our national vision of developing a national economy based on knowledge and innovation and enhancing our ability to compete and to attract more investments in emerging technological sectors related to climate action such as renewable energy, sustainable transport, carbon capture and storage and many more.

How can the strategic partnership

between the Ministry of Climate Change and Environment and DEWA contribute to strengthening the drive towards achieving climate neutrality and improving the capacities necessary to address the challenge of climate change?

We are pleased with this strategic partnership, especially since DEWA is one of the most important organisations active in the fields of environment and climate. Thanks to its achievements in both fields, especially in energy transformation, DEWA has already succeeded in building a prestigious reputation locally, regionally, and globally. Among these achievements, I call to mind prominent projects such as the Mohammed bin Rashid Al Maktoum Solar Park, the Hatta Pumped Storage Power Plant, the Green Hydrogen Project, and the DEWA R&D Centre, in addition to efforts in the fields of energy and water efficiency.

There is no doubt that this strategic partnership, which we are keen to develop and strengthen, along with the DEWA's prominent position, will have a great impact on strengthening our

national capabilities to combat climate change, and on our success in realising the objectives of UAE Net Zero by 2050 Strategic Initiative. Therefore, we highly count on DEWA's role and active participation, which we have grown accustomed to, in this regard.

The concept of energy transformation is currently the core component in efforts to achieve climate neutrality and enhance capabilities to meet the challenge of climate change. Therefore, the Ministry of Climate Change and Environment is keen to support and promote efforts to adopt, deploy, and utilise clean energy solutions made by the stakeholders in the public and private sectors.

What are the objectives of the Agriculture Innovation Mission for Climate (AIM for Climate), which was launched by the UAE in partnership with the US. How will it enhance the UAE's efforts to combat climate change?

The UAE places food security at the top of its priorities, as we all know, and we have clearly seen this through the directives of our wise leadership over

the past years, especially with the onset of the Covid-19 pandemic. From the beginning, we were keen to develop a technology-enabled and climate-smart local agricultural production sector in line with the National Food Security Strategy 2051, that we had previously launched, as the agricultural sector is one of the most impacted sectors by climate change and one of the sectors contributing to global warming at the same time.

In this context, we are keen to benefit from global experiences on one hand, and transfer our successful experience to other countries on the other, so the AIM for Climate Initiative, in partnership with the USA, came to achieve both goals. We were very pleased that many countries, as well as regional and international organisations joined the initiative when launched during the UN Climate Change Conference of the Parties (COP26) recently concluded in Glasgow, UK. We are confident that this initiative is capable of achieving food security at the global level, reducing greenhouse emissions and limiting the effects of climate change on the agricultural sector.



MOHAMMED ISSA AL ANSARI

Official Spokesperson and Vice President of
Strategic Communications of Expo 2020 Dubai

What is the message Dubai is trying to deliver from hosting this event?

The UAE promised the world to organise an exceptional and outstanding international Expo. Expo 2020 Dubai carries several implications for the UAE and its people, especially considering that it is being held in an Arab country for the first time. The UAE opened its doors to the world in its golden jubilee year, in an extension of the country's journey and success.

The UAE has witnessed tremendous developments over the past fifty years and made great strides in all fields. Its progress and development were based on cooperation and openness to all, as well as the provision of an inspiring environment that incubates creativity, innovation and leadership. Expo 2020 Dubai embraces all these meanings. It is the strongest expression of the UAE's global position and capabilities. The UAE was able to gather countries of the world and host them in the largest international event, during one of the most difficult circumstances

that humanity has experienced, which sends a message to the world that it is a pioneer in cooperation and joint action worldwide.

Expo 2020 Dubai is a key global destination for business and tourism. What are the anticipated opportunities from it? What facilitation is provided to investors and visitors to encourage them to invest in the UAE?

Expo 2020 Dubai represents an investment that aligns with the UAE Vision 2021 and the UAE Centennial 2071. It is an important opportunity to enhance the country's position as a global centre that attracts investment and ideas, and in turn contributes to promoting economic growth in the whole region by attracting many opportunities from around the world.

Expo 2020 Dubai is a platform for companies of all sizes and entrepreneurs from the UAE, the region and the world to communicate, interact and search for fruitful opportunities. It motivates companies and businesses that are

based on innovation and unlocks economic opportunities for them. Moreover, it offers programmes and events dedicated to business, chiefly the "Together We Prosper" programme, which includes a number of business forums related to specialised topics. It is held in cooperation with the Dubai Chamber. These events will highlight business opportunities and the latest technologies. They will also be a platform for communication, creativity and innovation in addition to supporting the progress of the private sector amid current global challenges.

The products and services offered by the "Together We Prosper" programme include an Artificial Intelligence-powered application that facilitates meaningful interaction between businesses and governments, across geographies and sectors. The app suggests the most relevant possible outcomes for users based on their profiles, experiences, goals and interactive patterns. The business events programme is updated daily, and includes the latest information on the participating business delegations, as well as all business events held across

the Expo 2020 Dubai site, the Dubai Exhibition Centre, the international pavilions and the Business Connect Centre at Expo 2020. The Business Connect Centre, which is in the middle of the Expo 2020 site near Al Wasl Plaza, houses chambers of commerce and businesses from across the region.

Can you please elaborate on your efforts to make the Expo 2020 Dubai the most sustainable edition of World Expos? What is DEWA's role in this area?

Expo 2020 Dubai seeks to be the most sustainable edition in the history of World Expos. It supports the UAE's efforts to become a pioneer in sustainable development. Sustainability, being one of our three sub-themes, is an integral part of our work, and we are working to integrate it into various aspects of Expo 2020 Dubai to make a meaningful impact, inspire the local and international community to create a more sustainable future. Expo 2020 Dubai's sustainability policy focuses on ensuring the involvement of participants, visitors and the international community with the aim of joining forces to address the various current sustainability challenges around the world.

- Sorting 85% of waste to prevent it from being directed to landfills.
- Providing the event site with 68 electric vehicle charging stations to support the electric vehicle sector.
- Installing photovoltaic solar panels on the roofs of permanent buildings at the site of the international event, which saves about 22% of the energy needed to operate the buildings in the legacy stage after the conclusion of the international event.
- Reducing water consumption in buildings.
- Enhancing the environmental value of the site and promoting local plant species.

DEWA, the official sustainable energy partner of Expo 2020 Dubai, is implementing renewable energy, electricity and water projects in cooperation with Expo 2020. Through the Shams Dubai initiative, DEWA contributes to the production of electric energy from solar panels installed at

the Expo 2020 Dubai site. DEWA has also built three 11/132 kV substations equipped with 45 km of 132 kV high voltage cables. DEWA has also built 19 EV stations to charge electric vehicles at Expo 2020 Dubai, to serve exhibition visitors.

The green hydrogen project at the Mohammed bin Rashid Al Maktoum Solar Park represents the first facility of its kind in the Middle East and North Africa, as part of a partnership between DEWA, Siemens Energy and Expo 2020 Dubai. It also aims to showcase the production of green hydrogen from solar energy, its storage and conversion into electrical energy.

What is Expo 2020 Dubai's role in strengthening relations between countries?

Expo 2020 Dubai is the largest international forum that brings the world together to deal with what humanity is facing in a spirit of optimism and cooperation. This aims to create a more prosperous future for all humanity under the theme "Connecting Minds, Creating the Future" and within the framework of the three themes (Opportunities, Mobility and Sustainability).

Since the launch of Expo 2020 Dubai on October 1, 2021, and over a period of 182 days, the site of the international event has become a centre of attraction for the world, where people meet and present their inspiring creativity, with the participation of 192 countries, each with its own pavilion.

How has Expo 2020 Dubai overcome the COVID-19 challenges?

The health and safety of all Expo 2020 Dubai workers, participants and visitors to the international event is a priority for us. In order to ensure a safe experience for all visitors, we at Expo 2020 Dubai have taken several precautionary measures which are the result of close cooperation with the Ministry of Health and Community Protection in the UAE and the Dubai Health Authority (DHA). This is in line with the latest information and guidelines from the World Health Organisation. We are working to keep pace with global developments and update our procedures and regulations accordingly.

The current precautionary measures

include asking visitors over the age of 18 to provide proof that they have received the anti-COVID-19 vaccine or a negative PCR test result that is no more than 72 hours old, in addition to providing sterilisation stations, mandatory wearing of masks and social distancing rules. The Expo site includes world-class facilities to provide medical care and COVID-19 testing, as well as free vaccinations for all international participants.

What is the future plan of Expo 2020 Dubai after the six months?

After Expo 2020, the site will turn into District 2020, which is the future of the Expo site, where at least 80% of its infrastructure will be repurposed to become part of a community innovation system, a smart, human-centered future city that stimulates innovation and supports industrial growth and technology in the region. This contributes to the UAE's transition to an innovation-based economy.

District 2020 will retain more than 260,000 square metres of existing LEED Platinum or Gold LEED status buildings at Expo 2020 for sustainable building designs and energy efficiency, as they will be converted in phases into residential, commercial and cultural facilities.

District 2020 has a state-of-the-art digital infrastructure, extensive coverage of 5G telecommunications networks and Wi-Fi, as well as the use of advanced technologies such as environmental sensors, Internet of Things (IoT) devices, and location-based data analysis systems in addition to systems that support events, facilities management, visitor and tenant affairs, and security.

The Dubai Exhibition Centre, located in District 2020, will host international conferences and exhibitions throughout the year. The first phase of the Dubai Exhibition Centre has been completed on an area of 45,000 square metres for use over the six months of the international event.



AHMED SAEED AL MANSOORI

CEO of Radio and TV Sector
at Dubai Media Incorporated (DMI)

What is DMI's media strategy to cover Expo 2020 Dubai, using its digital outlets, broadcasts, and TV channels?

We constantly strive to cover all the events and activities in the UAE and provide distinctive content appropriate to the significance of these events through our leading media position. These occasions reflect the actual image of the UAE media sector, how developed Emirati media institutions have become, and our ability to keep up with all the international TV developments.

As soon as Dubai was chosen to organise this international event, we embarked on setting up a comprehensive media plan and fully-fledged teams that function according to well-planned schemes. As the official broadcasting entity for Expo 2020 Dubai, DMI wanted to provide a remarkable presentation of the Expo's events, held for the first time in the Middle East, Africa and South Asia (MEASA) region.

With highly professional teams that are fully competent to handle such major

events, Dubai Media Incorporated has rich experience in covering grand events and activities. Thus, I have strong belief that our presence across Expo 2020 Dubai will deliver an internationally leading media experience and highlight DMI's significant role of presenting distinguished media content.

What are you hoping to achieve at Expo 2020 Dubai?

We promise our Arab audience to continuously provide them with objective, responsible, and reliable programmes that reflect the humane and civil nature of Dubai and the UAE in general, which managed to present a successful Arab model capable of coping with the latest advancements and accomplishments.

DMI also strives to keep up with the UAE's unlimited success in all fields, so we have set up a special programme package to cater for the various events and activities under Expo 2020 Dubai. These are set to be transmitted through DMI's TV channels, broadcasts, and social media outlets.

Our primary objective lies in meeting our viewers' needs and gaining their trust by producing and developing programmes and dramas, diversifying our media services, and adopting the best and latest television methods. This falls under a comprehensive plan, in terms of form and objective, that promotes DMI's innovation approach, amidst the changing viewing patterns and the revolutionary digital and social media, and serves as an attraction further supporting Dubai TV's various channels and a new challenge triggering further innovation.

How can the strategic collaboration between Dubai Media Incorporated and DEWA be further realised?

DMI and DEWA have various practical steps to enhance their strategic partnership. As part of its plans, programmes, strategies, and objectives dedicated to serving all groups of society, Dubai TV, with its televised, broadcasted, and digital channels, covered WETEX & Dubai Solar Show relying on a dedicated technical and media team. The 23rd WETEX&DSS was the first exhibition

hosted at Dubai Exhibition Centre at Expo 2020 Dubai, the MEASA region and a unique platform to introduce and discuss major issues related to reducing water consumption, preserving natural resources, and creating a sustainable environment. Over the last 22 years, the show attracted leading companies eager to showcase their latest cutting-edge solutions related to streamlining water and electricity and consumption and promoting sustainable development.

Being a media sponsor for the 23rd WETEX & Dubai Solar Show, could you please highlight the media role in the success of major events and shows revolving around sustainability, clean and renewable energy?

First of all, I would like to note that the strategic partnership of DMI for the 23rd WETEX & Dubai Solar Show was established to achieve the vision of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President, Prime Minister and Ruler of Dubai, and under the patronage of HH Sheikh Ahmed bin Saeed Al Maktoum, Chairman of the Dubai Supreme Council of Energy. The collaboration supports and promotes innovation and creative initiatives that constantly boost communal and service-based activities. It also comes in line with the vision of the wise leadership to promote sustainable development in the UAE and consolidate Dubai's position as a global hub for the green economy.

WETEX & Dubai Solar Show provides a significant platform to introduce and discuss the major and latest themes and issues under various fields, including water, energy, environmental management, sustainable development, and the technologies for promoting renewable energy and streamlining water and energy consumption.

As for the media role in highlighting the show's various events, it undoubtedly has a significant role in integrating the energy sector's multiple segments, providing new collaboration opportunities between commercial and technical sectors, attaining new trade horizons, promoting the exchange of ideas and expertise, and highlighting the latest innovations and technologies. In addition, media professionals are significantly contributing by raising awareness and presenting accurate information.

PEOPLE OF DETERMINATION

DEWA's leading role in promoting happiness and supporting the including and empowerment of People of Determination

HE SAEED MOHAMMED AL TAYER, MD & CEO OF DEWA

DEWA works according to a clear and studied strategy to empower People of Determination at work and community through its employees, customers, society, and partners. This is part of our social responsibility and efforts to provide them with an inclusive environment. DEWA is committed to help achieve the UAE Vision 2021 to maintain a cohesive society that is proud of its identity and sense of belonging, and the Dubai Plan 2021 for the Emirate to be a city of happy, creative, and empowered people who live in an inclusive and cohesive society.

Together, we work to promote the happiness of all stakeholders involved in including and empowering People of Determination, by providing an accessible agile and stimulating work environment for all its employees, including Employees of Determination, to give them equal opportunities, to showcase their abilities and unleash their creativity. DEWA has also upgraded its services, premises, and facilities in line with government standards and international best practices applicable in this regard, in order to facilitate their access to all services, buildings and facilities.

In addition, DEWA launches many community initiatives and programmes to enhance the happiness of People of Determination and include them in society. Most importantly, DEWA is keen to strengthen cooperation and partnerships with key partners in this field of including and empowering People of Determination, in a way that contributes to the transfer and localisation of knowledge, raising awareness and building capacities, and making Dubai the city of the future with happiness, and the best place to work and live in the world.



DEWA's milestones in promoting stakeholder happiness for People of Determination and their empowerment

DEWA has implemented a set of policies and procedures to include its Employees of Determination into the work environment and society as a whole. This protects their rights at work and in society. It also provides them with equal opportunities throughout the entire employment process. DEWA trains its staff with Inclusion and Accommodation manuals and booklets, and on the techniques of dealing with

them. The initiatives include 'Absher', for which DEWA has dedicated a team of well-trained Human Resources department to support Employees of Determination; and 'Sadiqi', in which two trained and qualified team members are allocated to support their People of Determination (POD) colleagues. Another is the Estisharati Service, which provides them with psychological support and the skills necessary to manage

personal and work-related stress. DEWA includes its Employees of Determination in key committees and activities such as the Happiness Council, Earth Hour, sports, and entertainment activities. DEWA's Employees of Determination, their families, colleagues and managers participate in these activities. DEWA also honours them at its internal awards and strives to nurture their talents by publishing their literary works and

developing their artistic creations. DEWA currently has 33 Employees of Determination with various disabilities. In 2020, their happiness scored 99%, and their families' happiness reached 96%.

DEWA works to facilitate the access of its Employees and Customers of Determination to its information, services, buildings and facilities, including upgrading all its Customer Care Centre and Customer Happiness Centres to be 100% compliant with the Dubai Universal Design Code. DEWA has developed its website and smart app according to Smart Dubai Government standards. DEWA has a dedicated section on its website to include and empower people of determination, in addition to smart channels to communicate with them easily. This includes the Ash'ir video service using sign language and the Hayak written and visual communication service. Rammas, DEWA's virtual employee uses Artificial Intelligence to answer written or verbal customer enquiries in Arabic and English around the clock. Additionally, DEWA provides a tactile map with voice notification to guide people of determination through DEWA's building. It provides a hearing loop technology, which is an advanced hearing aid technology designed to assist people with hearing disabilities. DEWA also provides audio and visual alarms, including alarms in washrooms and evacuation wheelchairs for emergencies. DEWA provides several discounts on service fees to Emirati people of determination Sanad Card holders. These include activation and deactivation of electricity and water, meter inspections (if the meters are accurate), and a free update of customer information. Customers of



Determination scored their happiness with DEWA's inclusive services at 95%, and society happiness towards DEWA's support for People of Determination was 94% in 2020.

To enhance its efforts to include and empower POD, transfer and localise knowledge, raise awareness and build capacity to make Dubai the city of the future, DEWA signed a Memorandum of Understanding (MoU) with the Ministry of Community Development (MOCD) to jointly organise training courses

and workshops to build the capacity of DEWA employees in this regard. In turn, MOCD joined DEWA in implementing some community initiatives and attending virtual workshops. DEWA also signed an MoU with the Dubai Club for People of Determination to sponsor several sports tournaments organised by the club, while the club participates in the implementation of several community initiatives organised by DEWA. DEWA also participated in the Inclusive Employment Standards Committee in Dubai.



What do you know about the International White Cane Safety Day?

We celebrate the White Cane Safety Day every year on 15 October. The White Cane Safety Day aims to promote community awareness on visual impairment, its causes and types. It also addresses ways of interaction with People of Determination with visual impairments, as well as advocating and supporting their various rights and including them into work and society.

People of Determination with visual

impairment utilise several methods and support aids to facilitate their access to places and information, such as Braille, smart applications, canes and visual aids.

There are different types of canes that visually impaired people can use to move independently, including wooden canes, and those made from aluminum and acrylic, as well as folding pocket canes, traditional long white canes, and tech-enhanced laser canes.

All canes are used for the same purpose, regardless of their type, as they allow users to scan their surroundings for

obstacles or orientation marks while moving. Some types of canes could require up to 5 weeks of practice. In general, the training focuses on the proper way to hold the cane, so that it does not harm the user or others. While training a person to use a cane, we must emphasise putting the thumb over the axis of the cane, maintaining a distance of 20cm between the cane and the body and holding it diagonally across the body. A person with visual impairment can walk while holding the cane diagonally towards the opposite part of the body, or by moving it left and right at the wrist level.

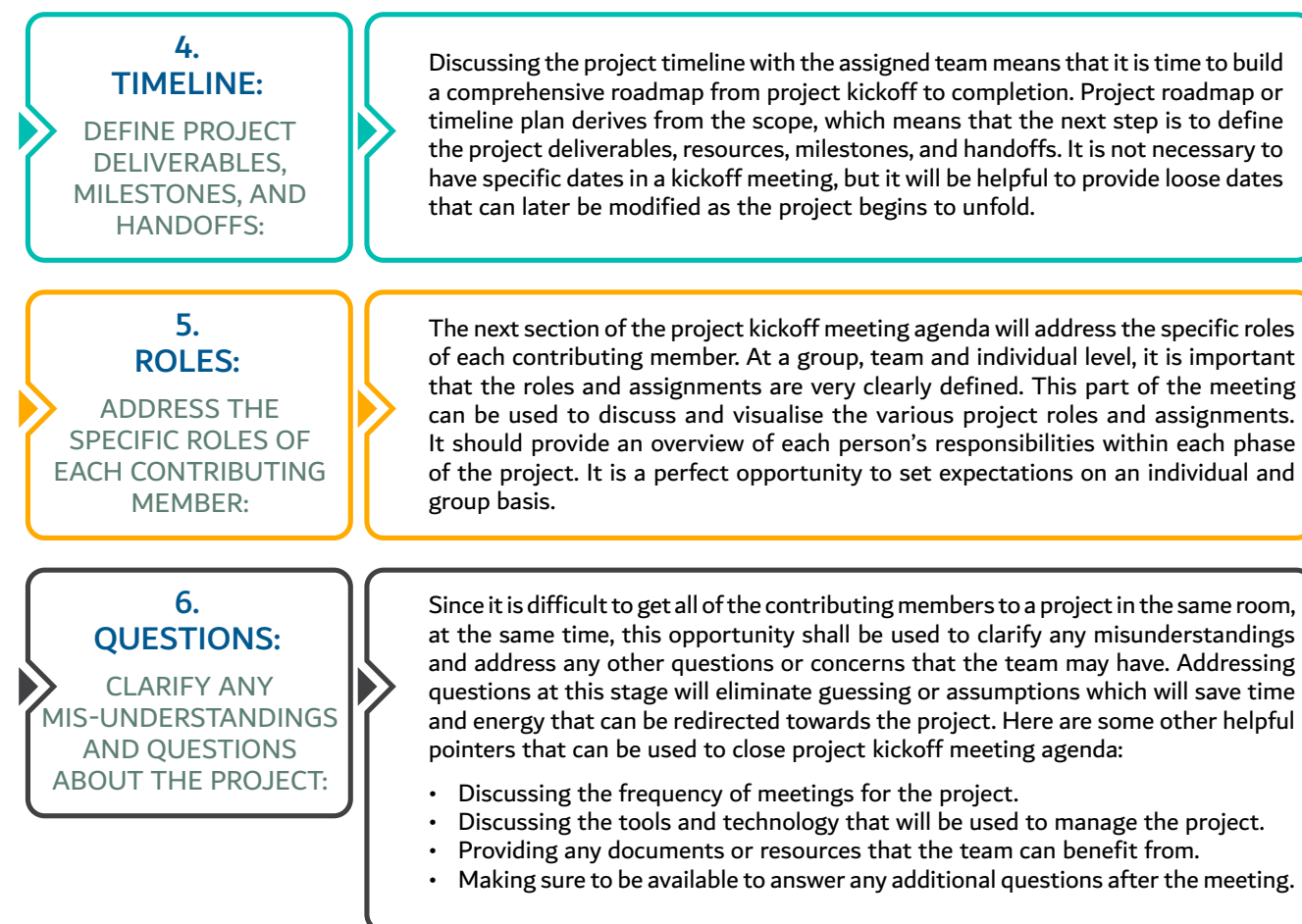
Engineering Doses/Tips

We continue with 'Engineering Doses/Tips', a community-educational initiative, through which the Transmission – Power division at DEWA strives to build educational awareness by sharing tips to make the right engineering decisions.



Tip #23 Kick-off Meeting in construction projects

Following the latest Civil Dose #22 on the same subject, please find continuation of points needed to be included in the Kick-off Meeting agenda:



Finally, the kickoff meeting is a significant part of any successful project completion. It helps execute and complete the project with minimal obstruction. This is the moment where it can demonstrate the abilities, build the stakeholders' confidence in the project and stakeholders' expectations for the project.

Tip #24 Construction Planning

For any project, it is essential to have a proper plan to avoid any time, cost and quality implication which will hinder the client's dream home. The Project Execution Plan (PEP) is used by the project team and owner to firstly assure, that the right aspects for project implementation are considered and secondly, that the project has been described in such a way that each stage is clear and concise as to what needs to be done. A well-defined and communicated PEP is a key driver of cost and schedule reduction, with as much as 10% to 15% saving in schedule slip and cost.

The Project Execution Plan must answer some basic questions, such as:

- What is the owner's need and what are the project objectives?
- Who will participate (contractors, consultants, authority, etc), when will they participate and what roles will they have?
- How will the project be managed and controlled?
- When will each specific activities take place?
- What monitoring and control criteria need to be applied?
- Are there any unforeseen event or obstacles that may impact the project process and what are the right mitigation methods?

The home construction execution plan shall consist of the following:



Tip #25

Execution and Advanced Construction Methodologies

Following the previous tip about the importance of planning in execution, this tip will cover the most suitable construction solutions and available advanced methodologies in the market for your dream house project.

You can establish your project following the normal conventional methods or any advanced technique. However, this shall be clearly considered in the design and tender evaluation stage. For example, if you wish to have a normal villa with G+1 floors, you can choose between different options like: Concrete and masonry structures, bearing wall system, precast or light gauge steel. But every one of those options has its own cost, time and durability limitations and conditions. So, it is very important to define from the initialisation stage of the project what you are really looking for between cost, time or durability or your own architectural design and luxurious aesthetic expectations. Specification and tender document of the project can easily make your task much simpler by asking the vendors to provide you with multiple construction options and detailed breakdown for cost and expected construction time of each option. Please refer to the below table showing some construction options for your reference:

CONSTRUCTION TYPE	EXPECTED COST	EXPECTED TIME OF COMPLETION	DURABILITY ASPECTS
Conventional method (Concert frames and brick walls)	Moderate	High	High
Bearing wall system	Low	Moderate	Moderate
Precast concrete	Moderate	Low	High
Light gauge steel	Low	Low	Moderate



Tip #26

Project Execution (Completion & Safety)

Further to the recent tips of advanced construction methodologies, here we will focus on the perfect way of achieving your project goal in a safe manner.

It is essential to follow up closely with the progress of the project and see the development of project stages yourself and compare to the earlier mutually approved project schedule. Holding the contractor or consultant full responsible to achieve the targeted completion days may not be the perfect way of completing your project on time, since sometimes client intervention will have a major impact to resolve any issues such as:

1. Ensuring the payment for all executed works and any works made by the contractor are well executed and certified by the consultant.
2. Avoid being blamed due to non-undertaking of your commitments, especially the commercial contractual ones.
3. Ensure strong communication with all parties involved in your project to get an instant information about the project issues.
4. Do not change the scope of work which may give the contractors an excuse to extend the completion time.

Furthermore, safety is one of the major factors to perform your project smoothly, without any major legal issues. In view of that, you should aim to ensure the following inputs:

1. Never violate any government regulations by giving any instructions to the contractor to put you under legal issues.
2. Ensure that your contractor is following the best safety performance under the supervision of the consultant.
3. Check regularly with the contractors that all workers have medical insurance.
4. Check regularly with the contractors that they have a sound risk management plan.



TIPS AND TRICKS

Tip #27

Execution Methodology & Best Selection

Following the previous tips about the execution plan, advanced construction methodologies and achievement in a safe manner, now is the time to know exactly which type of construction methodology you prefer to suit your project, as the proper selection of construction methods is a critical activity to reach the requirements of quality, time, cost and your satisfaction. Despite its importance, in many cases it has been noted that the contractor was not able to carry out the approved design because of the challenges and limitations during construction which may change the construction methodology and cause subsequent delays.

Hence, there are many factors affecting the perfect selection of construction methodology which could be listed as follows:

COST: The selection of construction methodology mainly depends on its cost. It is not wise to use random construction method to build a project with a costly materials since it may affect its quality and expected satisfaction levels.

QUALITY: Do not accept any construction methodology leading to lower quality, because this leads to unknown issues which will require continuous maintenance.

OBSTACLES: Some obstacles that may affect the construction, such as non-availability of the materials and suppliers or other unforeseen issues which may affect the design, cost, and overall duration dramatically. Therefore, select the most suitable way to overcome such obstacles without affecting budget, quality, and time.

DURATION: Construction time is always a vital influencer for your project, so you need to decide in the very initial stage what is the most suitable construction method fulfilling your time frame expectation.

LOCATION: If your project has constraints due its location, you need to select the perfect construction methodology serving your expectation to overcome any constraints, and this should be discussed and detailed with your consultant.

SURROUNDING ENVIRONMENT: in case there are environmental constraints in your project like building on hills or open terrain etc., ask your consultant to revert to the related authorities for the best guidance.

Furthermore, collaboration with the consultant and contractors will enhance the expected value of your project as in some cases you may need to re-evaluate your project and do some modifications to get the best offer Do take into consideration all technical and execution aspects to complete the project to the fullest at the lowest cost and within a reasonable time frame.

Tip #28

Maintenance Manual and Completion Certificate

Following the whole journey aiming to get your dream home or project now is the time to gain what you have strived for, as you deserve the best.

It is essential to make sure that your building is free of any defects due to any unforeseen mistakes in design or while execution, hence please ensure to get the following documents from the contractor and consultant:

BUILDING COMPLETION CERTIFICATE:

In commercial contracts generally, the contract is not complete if there are still works to be done or repairs to be made or documents to be provided. Accordingly the local authorities have obligated the contractors and consultants to get the Building Completion Certificate which contains the following:

- DM: Compliance Certificate to applicable authority regulation from main consultant
- DEWA: Approval of water, electricity, and sewerage connection.
- DCD: Copy of Civil Defense Certificate
- RTA: Approved Traffic Impact Study

MAINTENANCE MANUAL:

This is a comprehensive document that provides all the details necessary about a physical plant as well as individual pieces of your project, commonly for mechanical, electrical, and plumbing works. This is to help the maintenance staff keep everything running smoothly and emphasise the correct maintenance. It should contain the following: A description of the main principles of design.

- Details of the construction of the building (such as finishing, cladding, doors and windows, roof construction, and so on).
- Layout drawings and specifications.
- Operation and maintenance guidelines (including health and safety details and manufacturer's guidance for effective and proper service).
- An inventory list for the plant and equipment for mechanical, electrical, and plumbing works.
- Warranties and certificates.
- Specific requirements for demolition, decommissioning, and disposal.



HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum: Dubai has become the world's first paperless government



His Highness Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of The Executive Council of Dubai, announced that the Emirate has achieved the objectives of the Dubai Paperless Strategy launched in 2018 to establish itself as a leading digital capital and become the world's first paperless government.

"Today marks the beginning of a new stage in Dubai's journey to digitise life in all its aspects – a journey rooted in innovation, creativity, and a focus on the future," said HH Sheikh Hamdan. "As we complete a full transition to a paperless government, we are proud to see the ambitious vision of our leadership being fulfilled by the people of our country who have worked hard to enhance Dubai's competitiveness as a world-leading digital capital and reinforce its profile as a role model in designing government operations and services that enhance customer happiness."

His Highness praised the teams working across all participating government entities in the Emirate, whose efforts have further strengthened Dubai's position as a global role model for integrated and sustainable smart cities.

"We mark this achievement with our sights set firmly on the future, and we look forward to providing a fully digital life for residents of the Emirate," His Highness said, adding that the next stage will be marked by advanced strategies to create and enhance digital life in Dubai over the next five decades. The new phase of Dubai's digital journey will enable and empower future governments to meet the expectations of the residents of a thriving smart city and provide them with renewed opportunities for prosperity, sustainable development, and happiness.

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, said, "I am honoured to congratulate our wise leadership on this achievement, which consolidates Dubai's global leadership as a city that not only anticipates the future, but also makes it. This supports the vision of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to make Dubai the city of the future and the directives of His Highness Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of the Executive Council of Dubai, to transform the Government of Dubai into a fully digital government. We are proud that DEWA received the 100% Paperless Stamp in March 2021 as it completed the digital transformation of all its operations and services within the first group of the strategy. DEWA's state-of-the-art infrastructure and its commitment to keep pace with the

latest technologies enabled it to speed up the automation of all transactions for its customers and employees. Adopting the latest Fourth Industry Revolution, including Artificial Intelligence, helped DEWA save over 22 million pieces of paper in 2020. This resulted in financial savings of over AED 85 million, as well as saving 2,700 trees that would have been used to produce this."

Al Tayer added, "DEWA started automating its operations in 2009 and completed the smart transformation of all its services in 2014, less than a year after the Smart Dubai initiative was launched. Smart adoption of DEWA's services reached 98.9% in the third quarter of 2021. DEWA provides all its services through several smart and digital channels to help customers complete their transactions; anytime, anywhere. This saves them time and effort, protects the environment, and preserves natural resources. We promise our wise leadership to continue innovating unique experiences that increase the happiness of all our stakeholders and contribute to Dubai's progress in leading the future. We will do this by reworking the traditional concepts of work mechanisms to suit the rapid changes the world is going through. We will strengthen Dubai's position as an incubator for creativity and as a beacon of innovation, to achieve the vision of our wise leadership to make the UAE the world's leading nation by its Centennial in 2071."

Dubai Municipality's Project Management Office wins Asia-Pacific PMO of the Year Award for 2021

Dubai Municipality's Project Management Office was awarded the Asia-Pacific PMO of the Year Award for 2021 - reserved for the very best in the world - at the PMO Global Awards. The Municipality received the coveted title among more than 40 international organisations that competed to be ranked the best in the world.

Heba Al Shehhi, Director of the Project Management Office in Dubai Municipality, pointed to the most important factors that contributed to the major win. These included unparalleled support from the senior leadership, cooperation between all the departments in the Municipality, in addition to the expertise of the Project Management Office itself.

She said the Project Management Office comprises of experts who are distinguished by their skills and sense of leadership from a young age and want to achieve excellence in what they do. These national cadres are committed to continuous learning and development and are always looking for ways to adopt and implement global best practices and the latest smart systems that improve program and project management.

RTA showcases sustainability initiatives at WETEX 2021

The Roads and Transport Authority (RTA) showcased a host of sustainability initiatives during the 23rd Water, Energy, Technology, and Environment Exhibition (WETEX) and the Dubai Solar Show hosted at the Dubai Exhibition Centre – Expo 2020 Dubai and held under the theme 'At the Forefront of Sustainability'.

RTA's pavilion at WETEX displayed various circular economy initiatives including a project to recycle tyres. It involves re-treading tyres to increase their lifespan, resulting in fuel savings and reduced emissions.

The plan also included an explanation of the benefits of using trucks in logistical transport, as figures indicate fuel savings of up to 2 litres and carbon dioxide emission reduction of 1.6 tons for every 100 kilometres travelled.

RTA also demonstrated other environment sustainability projects such as the recycling and treating of water used in washing public buses, which adds up to about 25 cubic metres per day. The plant is powered by solar energy and uses recycled irrigation water.

Consumer Confidence Index peaks and reaches highest level in 10 years

Consumer confidence in Dubai has peaked and reached its highest levels in 10 years during the third quarter of 2021 according to the Consumer Confidence Index tracked by the Dubai Economy. During July-August 2021, the Index rose two points from the previous quarter and 21 points compared to the same time last year.

The quarterly Consumer Confidence Index measures the current and future sentiment of consumers towards the state of economy, local job prospects, personal finances, and perceptions about whether it is a good time to buy the things they need or want.

The Q3 2021 Index showed that 73% of consumers were positive about the current job market, compared to 46% at the same time the previous year. A greater number of consumers (88%) were optimistic about employment prospects in the next 12 months, compared to 77% in Q3 in 2020. Europeans and Americans were more confident (80%) about the existing job market while Emiratis have high expectations (93%) that the employment scenario will improve in the next 12 months.

Mohammed Bin Rashid Space Centre launches 'Space Ventures' for start-ups in the space sector

The Mohammed Bin Rashid Space Centre (MBRSC) has announced the launch of 'Space Ventures', a launchpad for start-ups in the space sector from the region and around the world. The move enables businesses to collaborate with MBRSC on long-term projects,

gain access to technology and support necessary for their development, and receive assistance when communicating with regulatory agencies around the world to achieve long-term growth.

The initiative by MBRSC was launched

with an aim to collaborate with all types of companies in the UAE, including small companies with big ideas, and established entities with a desire to expand and benefit from the country's active and progressive space programme.