



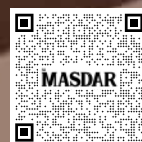
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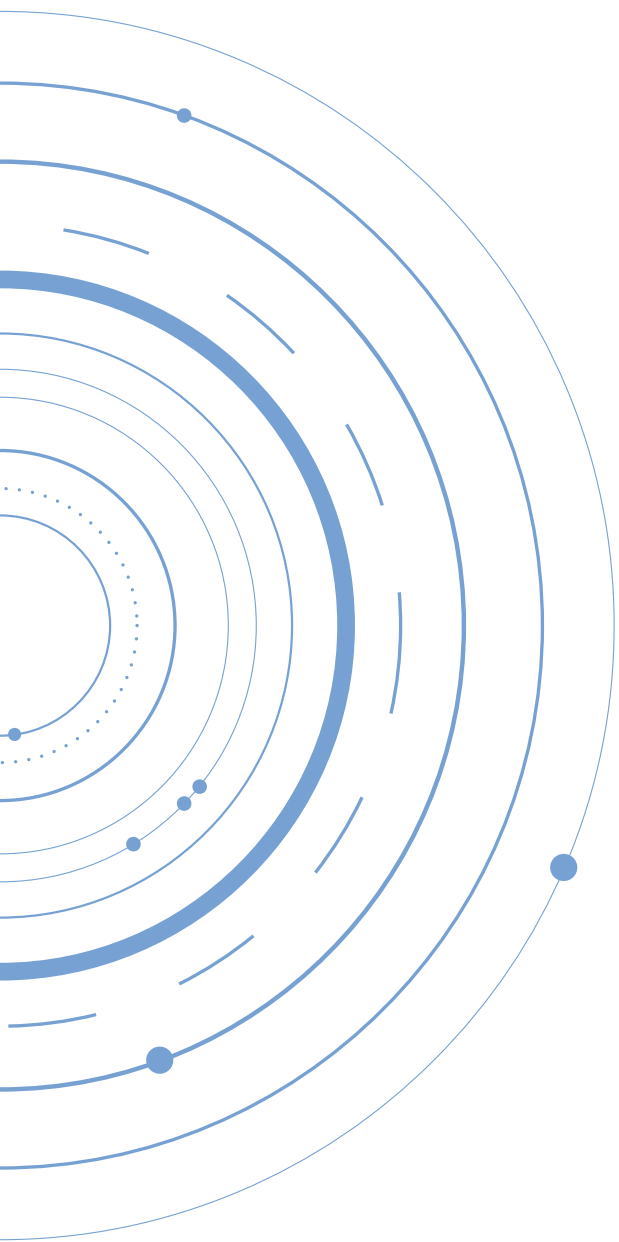
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MASDAR



**HH SHEIKH MOHAMMED BIN RASHID
AL MAKTOUM INAUGURATES 5TH
PHASE OF THE MOHAMMED BIN
RASHID AL MAKTOUM SOLAR PARK**







“

The development of a government's performance is a development of life. It leads to the happiness, comfort, and well-being of our people

”

HH Sheikh Mohammed bin Rashid Al Maktoum

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

Our Purpose

Providing globally leading sustainable, efficient, and reliable power and water services, and related innovative smart solutions towards Net-Zero Future.

Our Vision

A globally leading sustainable innovative corporation committed to achieving Net-Zero by 2050.

Our Mission

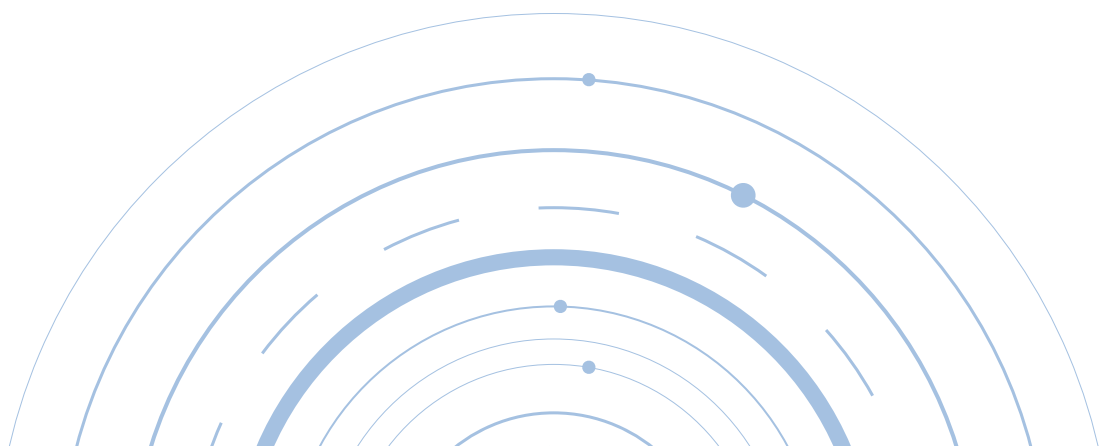
We are committed and aligned to Dubai's 8 Guiding Principles and 50-Year Charter supporting the UAE's directions through the delivery of global leading services and innovative energy and potable water solutions enriching lives and ensuring the happiness of our stakeholders, for a sustainable Net-Zero carbon 2050.

Our Values

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

Our Motto

For generations to come.





MD & CEO MESSAGE

HE SAEED MOHAMMED AL TAYER

MD & CEO of DEWA

ADVANCING TOWARDS REALISING THE WISE LEADERSHIP'S VISION FOR NET-ZERO EMISSIONS BY 2050

The UAE is a significant hub for supporting global climate action, and a role model for balancing economic development and preserving the environment. It is among the largest countries in the world investing in clean and renewable energy projects, and the first country in the Middle East and North Africa to launch a strategic initiative to achieve Net-Zero by 2050. The declaration of His Highness Sheikh Mohamed bin Zayed Al Nahyan, President of the UAE, for 2023 as the Year of Sustainability in the UAE, during which the country is hosting the COP28 by the United Nations Framework Convention on Climate Change (UNFCCC) in Expo City Dubai, reflects the great importance the wise leadership attaches to sustainability, which is the fundamental pillar for all social, economic, and environmental development plans.

At DEWA, we are guided by 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. When His Highness graced us by inaugurating the 5th phase of 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, His Highness said that sustainability is one of the main priorities in the UAE, which is committed to participating in global goals through initiatives, projects, and ideas that support sustainable development and protect the environment. His Highness also stated that adopting clean and renewable energy solutions is a strategic choice and that we collaborate with our partners worldwide to guarantee benefit for all and spread best practices.

We support the journey of sustainability and accelerate climate action through major innovative initiatives and projects in clean and renewable energy in line with the Dubai Clean Energy Strategy 2050 and the Dubai Net Zero Carbon Emissions Strategy 2050 to provide 100% of Dubai's

total power production capacity from clean energy sources by 2050. The total capacity of the solar energy projects commissioned at the solar park has increased to 2,427MW using the latest photovoltaic solar panels and Concentrated Solar Power (CSP). This share of clean energy in Dubai's energy mix is about 16.3% of the total installed capacity, which has reached 14,917MW.

To implement the solar park's projects, we have adopted the IPP model, which has resulted in great success. In addition to attracting significant investments to Dubai and the UAE, the IPP model contributed to lowering the levelised cost of solar power prices globally. We have received the lowest bid of USD 1.62154 cents per kilowatt hour (kWh) for the 1,800MW 6th phase of the Mohammed bin Rashid Al Maktoum Solar Park using photovoltaic solar panels, breaking our record of USD 1.6953 cents per kWh for the fifth phase.

We are also implementing the 250 MW pumped-storage hydroelectric power plant in Hatta, the first of its kind in the Arabian Gulf region. The plant will use stored water in the Hatta dam and another dam built in the mountainous region. Advanced turbines based on clean energy will work in reverse to pump water from the Hatta Dam to the Upper Dam. When needed, the turbines will generate electricity and supply DEWA's grid by using the water from the upper dam to the Hatta dam.

We pledge to His Highness Sheikh Mohammed bin Rashid Al Maktoum to continue implementing our development projects to achieve the vision of the wise leadership to reach net-zero emissions by 2050. This will strengthen the role of the UAE and Dubai in supporting global efforts to mitigate climate change and global warming and ensure a brighter and more sustainable future for all.

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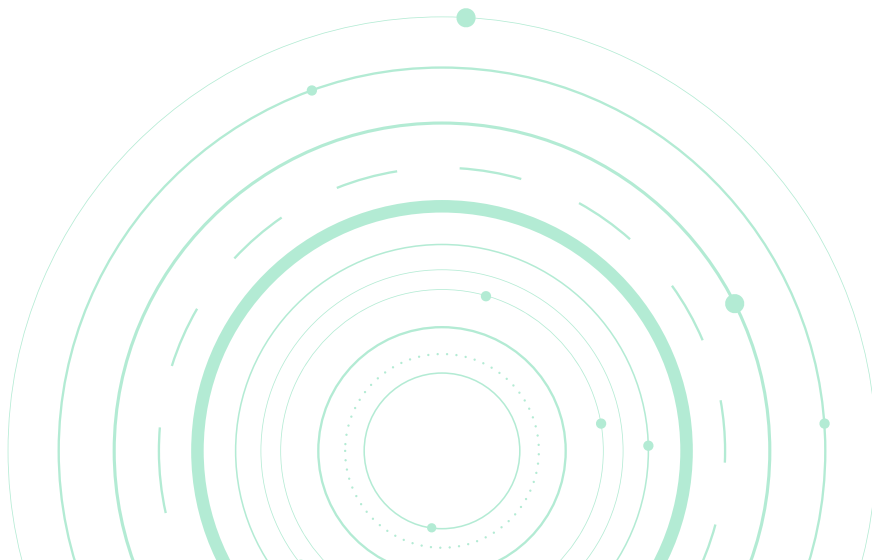
Clean Energy reached a record 12% of global electricity in 202246

MOST LOVED PHOTO



“My brother Mohammed bin Rashid and I were briefed on the ongoing preparations to host COP28 later this year. Entities and individuals across the UAE are encouraged to participate in contributing to the sustainable development of our nation’s society and economy.”

His Highness Sheikh Mohamed bin Zayed Al Nahyan, President of the UAE.





HH Sheikh Mohammed bin Rashid Al Maktoum inaugurates 5th phase of the Mohammed bin Rashid Al Maktoum Solar Park

HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, has inaugurated the 900 megawatt (MW) fifth phase of the Mohammed bin Rashid Al Maktoum Solar Park, the largest single-site solar park in the world with a planned capacity of 5,000 MW by 2030.

The fifth phase of the project will provide clean energy to around 270,000 residences in Dubai, reducing 1.18 million tonnes of carbon emissions annually. Featuring a total investment of AED50 billion, based on the Independent Power Producer (IPP) model, the Solar Park is expected to reduce 6.5 million tonnes of carbon emissions annually when fully completed.





His Highness Sheikh Ahmed bin Mohammed bin Rashid Al Maktoum, Second Deputy Ruler of Dubai and Chairman of the Dubai Media Council; His Highness Sheikh Ahmed bin Saeed Al Maktoum, Chairman of the Dubai Supreme Council of Energy (DSCE); and His Highness Sheikh Mansoor bin Mohammed bin Rashid Al Maktoum, Chairman of the Dubai Sports Council attended the inauguration.

HH Sheikh Mohammed bin Rashid Al Maktoum was welcomed at the Solar Park in Seih Al Dahl, by **His Excellency Saeed Mohammed Al Tayer, Managing Director and CEO of the Dubai Electricity and Water Authority (DEWA).**

HH Sheikh Mohammed bin Rashid Al Maktoum said: "The UAE is at the forefront of global efforts to create a more sustainable future for all of humanity by taking concrete action to transition to renewable energies and combat climate change. In 2023, the UAE's Year of Sustainability, and the year in which we are hosting COP28, we continue to place sustainability at the heart of our development plans and make new strides in shaping a truly environmentally friendly economy. The

completion of the fifth phase of the Mohammed bin Rashid Al Maktoum Solar Park takes us another major step closer to realising our vision for an economy fully powered by clean energy.

"Aligned with the UAE's vision, Dubai has developed a clear strategy and pathway to achieve its targets of generating 25 per cent of its energy requirements from renewable sources by 2030 and 100 per cent by 2050. Dubai is resolute in its commitment to becoming one of the most sustainable cities in the world, with diverse initiatives. The rapid progress of the Mohammed bin Rashid Al Maktoum Solar Park project is yet another example of our strong ethos of public-private partnerships. Such partnerships play a key role in driving sustainable economic development, building a world-class renewable energy infrastructure and creating a diverse environment-friendly energy mix in the emirate. Apart from benefiting the environment, our sustainability initiatives also contribute to our plans to consolidate Dubai's status as one of the world's top urban economies and enhance the wellbeing and quality of life of our citizens and residents."

The inauguration was attended by His

Excellency Dawood Al Hajri, Director General of Dubai Municipality; His Excellency Ahmed Buti Al Muhairbi, Secretary-General of the Dubai Supreme Council of Energy; His Excellency Saif Humaid Al Falasi, CEO of Emirates National Oil Company (ENOC); His Excellency Abdulla bin Kalban, Managing Director of Emirates Global Aluminium (EGA); Hussain Al Banna, CEO of Strategy and Corporate Governance Sector at the Roads and Transport Authority (RTA); Juan-Pablo Freile, General Manager of Dubai Petroleum; Hussain Al Banna, Acting CEO of the Strategy & Corporate Governance Sector at the Roads & Transport Authority (RTA); Mohammad Abdullah Abunayyan, Chairman of ACWA Power; and Ibrahim AlQadhi, CEO of Gulf Investment Corporation (GIC).

His Highness was briefed by Al Tayer about the fifth phase of the Mohammed bin Rashid Al Maktoum Solar Park. DEWA has implemented this phase using the latest solar photovoltaic bifacial technologies with Single Axis Tracking to increase energy production and the plant's efficiency.

The AED2 billion project, implemented based on the Independent Power



Producer (IPP) model, features a partnership between DEWA (60%) and a consortium led by ACWA Power and Gulf Investment Corporation (40%) through Shuaa Energy 3. DEWA achieved a world record by receiving the lowest bid of \$1.6953 cents per kilowatt hour (kWh) for the fifth phase.

HH Sheikh Mohammed bin Rashid Al Maktoum was also briefed by **Al Tayer** about the phases of the Mohammed bin Rashid Al Maktoum Solar Park and the technologies used in the project. The total capacity of the solar energy projects commissioned at the solar park has reached 2,427MW from photovoltaic solar panels and Concentrated Solar Power (CSP). The total capacity of the projects under construction at the solar park is 433MW from CSP. DEWA has increased the share of clean energy in Dubai's energy mix to about 16.3% of its total installed capacity, which has reached 14,917 MW.

"Our work is aligned with the directives of the wise leadership in line with the declaration of His Highness Sheikh Mohamed bin Zayed Al Nahyan, President of the UAE, 2023 as the Year of Sustainability in the UAE with the slogan 'Today for Tomorrow', and in accordance

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 and in support of the UAE hosting the largest international climate event, which is the Conference of the Parties to the United Nations Framework Convention on Climate Change (COP 28) in Expo City Dubai later this year. We continue to do our best to promote sustainability and transform into a sustainable green economy by increasing the share of clean and renewable energy. We have made rapid progress in achieving the Dubai Clean Energy Strategy 2050 and the Dubai Net Zero Carbon Emissions Strategy to provide 100% of Dubai's total power capacity from clean energy sources by 2050. To achieve these goals, we are implementing several projects at the Mohammed bin Rashid Al Maktoum Solar Park. We promise His Highness Sheikh Mohammed bin Rashid Al Maktoum to continue our development projects to achieve his ambitious vision for this national project, which adds to the UAE's success in moving steadily towards a sustainable future for current and future generations," said Al Tayer.

Mohammad Abunayyan, Founder and Chairman of the Board of Directors

of ACWA Power, said: "Today, we are delighted to celebrate yet another milestone with our long-standing partner Dubai Electricity and Water Authority, as we inaugurate the fifth phase of the Mohammed bin Rashid Al Maktoum Solar Park ahead of schedule alongside our partners Gulf Investment Corporation and the EPC contractor Shanghai Electric. Our objective for Shuaa Energy 3 has been to achieve the highest technical and operational standards every step of the way, setting the record for the lowest solar tariff globally in 2020 and deploying advanced technologies such as bifacial solar panels and automatic cleaning robots."

"ACWA Power has adopted a comprehensive safety programme and implemented ongoing safety initiatives to improve safety culture and achieved zero Lost Time Injury (LTI) throughout the project construction. At ACWA Power, we are proud to support Dubai and the wider region's clean energy ambitions and will continue to set new records in renewable energy development not just regionally but on a global scale," Abunayyan added.

ACWA Power has worked on previous phases of the Mohammed bin Rashid



Al Maktoum Solar Park. The 200MW photovoltaic second phase of the solar park developed by ACWA Power was launched in March 2017. Meanwhile, a consortium led by DEWA and ACWA Power formed a project company, Noor Energy 1, to design, build and operate the 950MW fourth phase.

"We are delighted to co-develop renewable energy and infrastructure projects in the UAE. The fifth phase of the Mohammed bin Rashid Al Maktoum Solar Park, based on the (IPP) model, is considered to be a pioneer project as it uses state of the art clean power generation solutions that contribute to the Dubai Clean Energy Strategy 2050," said Ibrahim AlQadhi, Chief Executive Officer of Gulf Investment Corporation.

"We would like to take this opportunity to congratulate the Dubai Electricity and Water Authority for its success in attracting local, regional and international developers and investors to participate in the development of Dubai's energy sector," Ibrahim AlQadhi added.

The inauguration of the 900MW fifth phase of the Mohammed bin Rashid Al Maktoum Solar Park supports the

directives of HH Sheikh Mohammed bin Rashid Al Maktoum to provide 100% of Dubai's power production capacity from clean energy sources by 2050. In 2020, DEWA achieved a world record by receiving the lowest bid of USD 1.6953 cents per kilowatt hour (kWh) for the fifth phase, which included over 6.8 million safe working hours. The fifth phase was completed ahead of schedule (June 2023 instead of December 2023) despite the implementation having

commenced during the COVID-19 pandemic.

The fifth phase is one of the first projects in the Middle East to use Artificial Intelligence (AI) as part of an advanced robotic cleaning system for the operation and maintenance of photovoltaic panels. The total area of the fifth phase is approximately 10 square kilometres, which is half of the total area of the 800MW third phase.





HH Sheikh Ahmed bin Mohammed bin Rashid Al Maktoum reviews progress of Hatta Master Development Plan projects

His Highness Sheikh Ahmed bin Mohammed bin Rashid Al Maktoum, Second Deputy Ruler of Dubai, reviewed the progress of key development projects in Hatta during a visit to the region.

The projects, whose progress His Highness reviewed, are part of the first two phases of the Hatta Master Development Plan launched 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 the follow up of His Highness Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of The Executive Council of Dubai.

Sheikh Ahmed said the Hatta projects



MAIN STORY

form part of Dubai's ambitious development plan created within the framework of HH Sheikh Mohammed bin Rashid's vision for the Emirate's growth. Developed in accordance with the highest global standards of excellence, the projects seek to enhance services for citizens, residents and visitors, and raise the quality of life of all segments of society. Sheikh Ahmed commended the efforts of entities involved in the development plan and highlighted the leadership's commitment to provide exceptional services to the people of Hatta.

Sheikh Ahmed was accompanied on the tour by H.E Mattar Al Tayer, Dubai's Commissioner General for the Infrastructure, Urban Planning, and Wellbeing Pillar and Chairman of the Supreme Committee to Oversee the Development of Hatta; H.E Saeed Mohammed Al Tayer, MD and CEO of DEWA; H.E Major General Mohamed Ahmed Al Marri, Director

General GDRFA in Dubai; H.E Dawood Al Hajri, Director General of Dubai Municipality; H.E Dr. Amer Sharif, CEO of the Dubai Academic Health Corporation, and a number of senior officials.

His Highness visited the Hatta Dam where he was briefed about the ongoing construction of DEWA's hydroelectric power plant that will use the stored water in Hatta Dam and an upper dam that has been built in the mountain area.



DEWA Q1 2023 financial results

Demand for water

+6.25%

32.3 billion imperial gallons (BIG) Compared to 30.4 BIG in the same period in 2022

Demand for power

+5.3%

9.66 TWh compared to 9.17 TWh in the same period of 2022



Revenue

+7.3%

AED 5.44 billion compared to AED 5.07 billion in the same period of 2022

Net Profit

+10.4%

AED 763 million compared to AED 691 million in the same period of 2022


DEWA's number of customers

By the end of the first quarter of 2023, DEWA served **1,169,713 customers**, an increase of **51,022 customers** from Q1, 2022

DEWA shareholders approve payment of AED 4.77 billion in dividends to shareholders

- Shareholders approved the payment of H2, 2022 dividend of AED 3.1 billion
- Shareholders approved the payment of a one-time special dividend of AED 1.67 billion

| | | | |
|------------------------|-------------------------|------------------------|---------------------------|
| AED 3.1 billion | AED 1.67 billion | AED 3.1 billion | 6.3% |
| 6.2 fils / share | 3.34 fils / share | 6.2 fils / share | NTM Dividend Yield |
| Apr 2023 | Apr 2023 | Oct 2023 | Considering IPO Share |
| Approved | Approved | Semi Annual Dividend | Price of AED 2.48 / share |

 Dubai Electricity and Water Authority PJSC (ISIN: AED001801011) (Symbol: DEWA), the Emirate of Dubai's exclusive electricity and water services provider, which is listed on the Dubai Financial Market (DFM), reported that its shareholders approved the payment of total dividends of AED 4.77 billion with a record date of 20 April 2023. This was approved at DEWA's general assembly, which was held on 10 April 2023 at the Address Boulevard Hotel Dubai as well as virtually.

General Assembly Details

The meeting, chaired by HE Matar Humaid Al Tayar, Chairman of the Board of Directors of DEWA, was attended by HE Saeed Mohammed Al Tayar, MD&CEO of DEWA and Members of the Board of Directors of DEWA as well as 91% of the shareholders.

Vision of the wise leadership

"Thanks to the insightful vision and directives of the wise leadership of HH

Sheikh Mohamed bin Zayed Al Nahyan, President of the UAE; and HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, the UAE has become a prominent global player in the green economy, with Dubai consolidating its position as a hub for trade, finance, and tourism. DEWA is a crucial player in ensuring that Dubai's infrastructure keeps pace with the increasing demand for energy and water. Our unwavering efforts have strengthened Dubai's record of achievements, and established its



global leadership, especially in the shift towards renewable and clean energy. In 2022, DEWA delivered the best full year consolidated and standalone financial performance in its operating history. As a result, we have increased our dividend payout for the year 2022 by 60% to AED 9.9 billion. Our achievements reflect DEWA's world-class governance system, efficiency, sustainability, and innovation. Our circular economy strategy supports the ongoing efforts to optimise resource usage and enhance social, economic, and environmental value, promoting sustainability. We have adopted several policies and plans that align with ambitious national strategies," said HE Matar Humaid Al Tayer, Chairman of the Board of Directors of DEWA.

"I would like to thank our shareholders for their unwavering support and trust in DEWA. We remain committed to delivering sustainable value to all our stakeholders. I also extend my thanks to DEWA's management team and dedicated staff, who work tirelessly to ensure that we continue to provide reliable and efficient services to our customers. Their commitment, hard work, and passion have been the driving force behind our success, and we remain committed to providing them with the support they need to continue to excel," added HE Matar Humaid Al Tayer

Exceptional Returns for Shareholders

"At DEWA, our commitment to excellence and sustainable growth is aligned with the Year of Sustainability

in the UAE, which was announced by HH Sheikh Mohamed bin Zayed Al Nahyan, President of the UAE. Our efforts also support COP28, the world's largest climate conference that the UAE will host this year with the vision and directives of HH Sheikh Mohamed bin Zayed Al Nahyan and HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai.

We also work to achieve the directives of 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, First Deputy Ruler of Dubai, Deputy Prime Minister, and Minister of Finance.

2022 marked a transformative year for DEWA as it became a Public Joint Stock Company and was listed on the Dubai Financial Market (DFM) in April, becoming the largest listed company on the DFM by market capitalisation. In 2022, DEWA achieved record-breaking results, with increased gross, operating and net profit margins relative to 2021. DEWA's consolidated net profit for the year reached AED 8 billion, a 23% increase over the previous year. As a result, the company exceeded its commitment to its shareholders, by paying AED 9.9 billion in dividends for 2022 compared to the initially promised AED 6.2 billion. These impressive results reflect the successful execution of our strategy, the application of our world-class

governance system, and our unwavering commitment to operational efficiency, innovation, and customer happiness, thereby maximising shareholder value," said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.

"As Dubai's population continues to grow, so does the demand for electricity and water services. In 2022, there was a 5.56% increase in the demand for power and a 6.45% increase in the demand for water compared to 2021. DEWA has been keeping pace with the growing demand for electricity and water services by developing a world-class infrastructure to provide electricity and water services according to the highest international standards of availability, reliability, efficiency, and quality. DEWA has raised its production capacity in Q1 of 2023 to 14,617 megawatts (MW) of electricity and 490 million imperial gallons per day (MIGD) of desalinated water. The production capacity of clean energy in Dubai has increased to around 14.6% of the total capacity. This supports the Dubai Clean Energy Strategy 2050 and Dubai Net Zero Carbon Emissions Strategy 2050 to provide 100% of Dubai's total power production capacity from clean energy sources by 2050," added Al Tayer.

HE Saeed Al Tayer thanked all DEWA's investors and shareholders for their support and trust. He welcomed the new shareholders, and urged them to review DEWA's integrated report 2022, which is available on DEWA's website and DFM website.

Dubai Electricity and Water Authority PJSC achieves phenomenal financial results in Q1, 2023

- Reports a record first quarter consolidated net profit of AED 763 million (up by 10.4%)
- Reports robust first quarter revenue of AED 5.44 billion (up by 7.3%)

| DEWA Q1, 2023 | | DEWA Q1, 2022 | |
|------------------|---------------------|-----------------|-----------------|
| AED 5.44 billion | AED 763 million | AED 5.07billion | AED 691 million |
| +7.3% YoY | +10.4% YoY | | |
| Q1, 2023 Revenue | Q1, 2023 Net Profit | Q1, 2022 | Q1, 2022 |
| | | Revenue | Net Profit |

Dubai Electricity and Water Authority PJSC (ISIN: AED001801011) (Symbol: DEWA), the Emirate of Dubai's exclusive electricity and water services provider, which is listed on the Dubai Financial Market (DFM), has reported its first quarter 2023 consolidated financial results, recording quarterly revenue of AED 5.44 billion and net profit of AED 763 million. For the last twelve months, DEWA's consolidated revenue was AED 27.7 billion and net profit was AED 8.1 billion.

Robust on the ground fundamentals are driving record financial performance

DEWA's first quarter consolidated revenue increase of 7.3% to AED 5.44 billion was mainly driven by an

increase in demand for electricity, water, and cooling services as well as an increase in the revenues of DEWA's other portfolio of assets. Quarterly revenue growth for electricity, water and cooling services increased by 7.2%, 7.0% and 4.6% respectively. DEWA's other portfolio of assets grew their revenue by 11.2%.

Demand for power in the first quarter reached 9.66 TWh compared to 9.17 TWh for the same period in 2022, representing a 5.3% increase. Average customer power consumption in the first quarter of 2023 was higher than that of 2022.

DEWA's first quarter gross heat rate for power was 9,317 BTU / kWh, which is a 2.04% improvement

compared to the same period in the last year, indicating increased operational efficiency, reflecting our targeted sustainability and environmental efforts.

Demand for water in the first quarter of 2023 reached 32.3 billion imperial gallons (BIG) compared to 30.4 BIG in Q1, 2022, representing a 6.25% increase. Average customer water consumption in the first quarter of 2023 was higher than that of 2022.

By the end of the first quarter of 2023, DEWA served 1,169,713 customers, representing an increase of 12,212 customers from the fourth quarter of 2022, and an increase of 51,022 customers from the first quarter of 2022.



DEWA successfully launches its second nanosatellite DEWA SAT-2 to enhance its operations and improve efficiency



DEWA has successfully launched its second nanosatellite DEWA SAT-2 aboard the Falcon 9 rocket of SpaceX from Vandenberg Space Force Base in California, USA on 15 April 2023.

The launch of DEWA SAT-2 underlines DEWA's leadership in using space technologies to improve the operations, maintenance and planning of electricity and water networks. The nanosatellite was designed and developed by Emiratis at DEWA's Research and Development Centre, in collaboration with NanoAvionics in Lithuania.

DEWA SAT-2, a 6U nanosatellite, features a high-resolution camera (4.7 metres) that will be used for Earth observation missions. The

high-resolution camera provides continuous line-scan imaging in seven spectral bands from an approximately 500km orbit. The new satellite is also equipped with Infrared equipment to measure greenhouse gases.

His Excellency Saeed Mohammed Al Tayer, MD & CEO of DEWA, said DEWA is keen to use the latest technologies of the Fourth Industrial Revolution, including the Internet of Things (IoT), Artificial Intelligence (AI) and blockchain in exchanging information through satellite communications and earth observation technologies.

"DEWA's Space-D programme, which was launched by His Highness Sheikh Mohammed bin Rashid Al Maktoum,

Vice President and Prime Minister of the UAE and Ruler of Dubai, in January 2021, aims to improve the operations, maintenance and planning of DEWA's networks through nanosatellites and remote sensing technologies. The programme also seeks to train Emiratis specialised in the use of space technologies in electricity and water networks. Launching DEWA SAT-2, our second nanosatellite confirms that we are moving steadily towards leadership in utilising space technologies to enhance the efficiency of DEWA's operations and providing electricity and water services according to the highest standards of availability, reliability, efficiency and quality, in addition to transferring knowledge and expertise and training our Emirati staff," added Al Tayer.

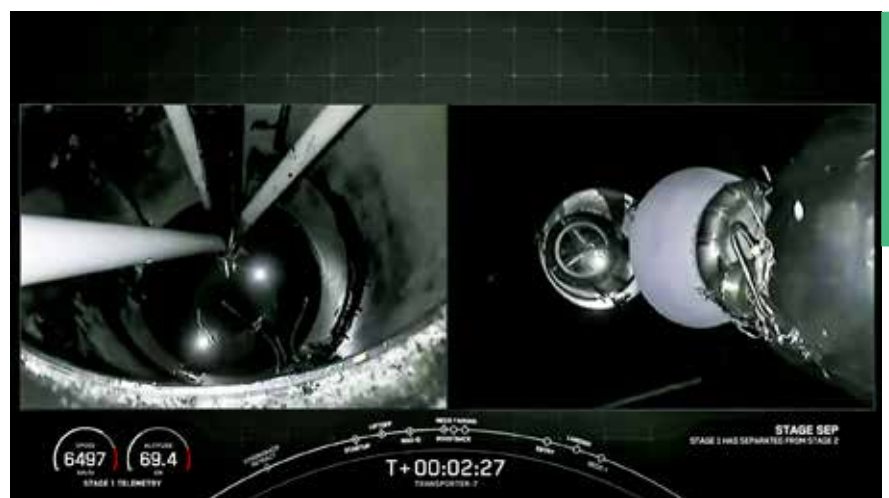


Al Tayer noted that DEWA aims to use nanosatellite technology to support its cloud computing network, thereby enhancing the digitisation of energy and water networks. The objective is to raise the efficiency and effectiveness of planning, operation and preventive maintenance of the production, transmission and distribution divisions, as well as smart grids, power stations, and EV charging stations. This approach is expected to reduce costs and improve the investment of DEWA's assets. Additionally, this will help develop use cases that contribute to upgrading the utility sector worldwide.

Waleed Bin Salman, Executive Vice President of Business Development and Excellence at DEWA, explained that the high imaging accuracy of DEWA SAT-2 will enable DEWA to improve the operational performance of power generation and water desalination plants. Multi-spectrum, high-resolution thermal imaging

devices, such as those used on board spacecraft that are specifically designed for use in electricity and water networks, will be deployed to detect thermal fingerprints in high-voltage transmission lines, substations, buildings and solar power stations. The combined use of DEWA SAT-2 images

and IoT measurements from DEWA SAT-1 will enable DEWA to improve the operational performance of power generation and water desalination plants by providing accurate estimates of seawater temperature, seawater salinity, detection of red-tide, as well as fog monitoring and forecasting.





DEWA honoured with two awards at Hydrogen Future Awards 2023

In recognition of its efforts in promoting the transition towards renewable and clean energy, DEWA has won the Hydrogen Project of the Year 2023 Award for its green hydrogen project at the Mohammed bin Rashid Al Maktoum Solar Park.

This was part of the Hydrogen Future Awards 2023, organised during the 'Connecting Green Hydrogen MENA' (CGHM2023) conference in Dubai.

HE Saeed Mohammed Al Tayer, MD&CEO of DEWA, was also

awarded the World Energy Transition Leader 2023. This award recognises influential leaders from international energy corporations who have made significant contributions to the global growth of the clean energy industry.



DEWA's Cable Lab is accredited according to ISO/IEC 17025:2017 certification by EIAC

DEWA's Distribution Asset Management - Cable Lab has been accredited by the Emirates International Accreditation Centre (EIAC) as per the requirements of ISO/IEC 17025:2017. This step increases the capability, efficiency, and reliability of the electricity distribution network in Dubai and maintains DEWA's provision of continuous and stable supply of electricity to its customers.

The lab tests low and medium voltage cables and connections and provides analyses on faults and studies related to managing and improving the lifecycle of cables to increase their efficiency and reliability. The accreditation from EIAC contributes to strengthening DEWA's network and infrastructure without the need for external lab services in this field.



Saeed Al Tayer & DEWA win prestigious awards of the American Great Place to Work Institute 2023



DEWA has won the Great Place to Work Certificate® 2023. The American Great Place to Work® Institute Certificate. The Award, in collaboration with Fortune Magazine is given to organisations for their excellence in providing the best work environment. DEWA ranked first among government organisations in the UAE and the GCC. HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, was awarded the Leadership of the Year Award for successful leadership of DEWA, following the highest international standards of excellence.

Great Place to Work Institute in the UAE conducted a wide-scale and independent analysis to get employee feedback, as part of a survey about the work environment. The Institute evaluates work environments and cultures in organisations that achieve excellence and performance. Business leaders and researchers depend on its measures to determine the best workplaces.



Al Tayer expressed his happiness with receiving this certification for the fourth time. DEWA won the certificate for the first time in 2019. Al Tayer highlighted that this success reflects DEWA's ongoing

commitment to investing in human resources as the most critical factor for success and excellence and keeping pace with rapid changes to maintain DEWA's global leadership and excellence.





DEWA wins first place in the Research and Innovation Award by the Ministry of Energy and Infrastructure

DEWA has won first place in the Ministry of Energy and Infrastructure's 'Research and Innovation Award' in the category of government sector organisations in the field of balanced national energy. The Award underlines DEWA's ongoing efforts in research, development and innovation.

A team from DEWA received the Award from HE Suhail Al Mazrouei, Minister of

Energy and Infrastructure. DEWA won the Award for a smart grid-integrated system to control photovoltaic inverters for autonomous voltage regulation and Distributed Renewable Energy Resources ancillary services, improving the grid's performance.

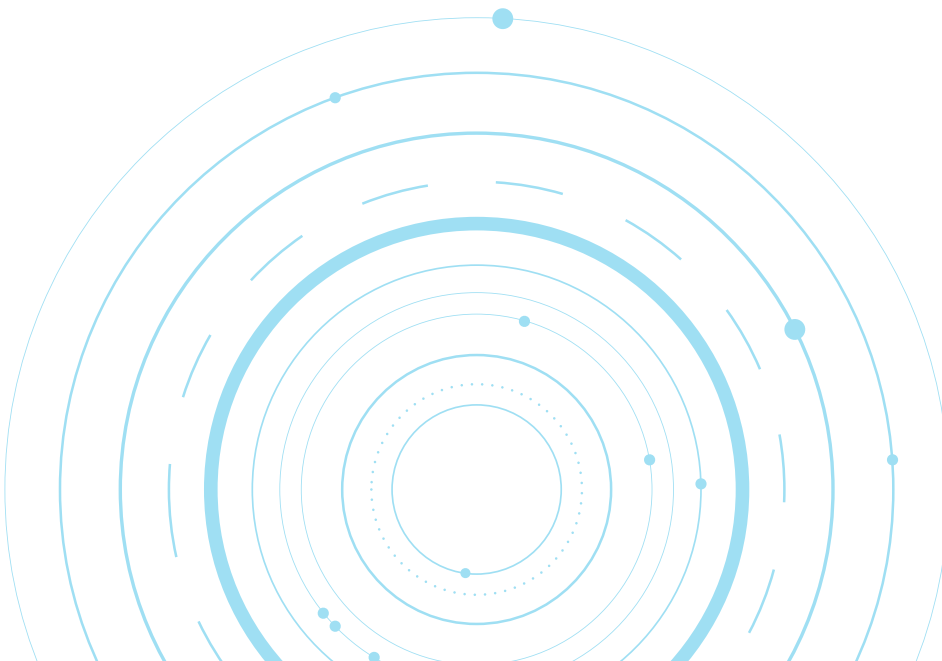
HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, said that DEWA's winning of the Research and Innovation

Award crowns its approach to innovation, research and development, especially in the renewable and clean energy sector. He commended the efforts of the Ministry of Energy and Infrastructure in launching the Award, which aims to promote a culture of creativity and innovation to develop pioneering solutions to the challenges in the energy, water, and infrastructure sectors.

DEWA wins the LinkedIn Learning Talent Awards in MENA region 2022

In recognition of its efforts to spread and localise knowledge among employees, DEWA won the LinkedIn Learning Talent Awards in MENA region 2022 for the category 'Learning Champion – Public Sector UAE' for more than 1,000 employees. The award recognises DEWA's success in providing all employees with the right skills to meet employment needs, according to the newest and best global standards.

The LinkedIn Learning platform is a strategic partner that enhances DEWA's leadership and excellence and consolidates its efforts to encourage employees to participate in self-learning programmes and courses that enrich their knowledge and enhance their capabilities in various fields. Between 2017 and 2022, the number of completed courses reached 110,086, and the number of hours viewed reached 132,680. DEWA provides several internal platforms to transfer and localise knowledge, including 6 Knowledge Centres, DEWA Smart Library, Ma'Rifa (knowledge) collaboration platform, Share an Hour initiative, Knowledge Day, and Knowledge Day Community of Practice (CoP). DEWA also annually celebrates the Reading Month, which is observed in March of every year. In addition, DEWA works through the Share K. Recognition Programme to honour its employees and teams that contribute to disseminating and managing knowledge at DEWA.



DIGITAL TRANSFORMATION

DEWA adopts 3D Microsoft Mesh Avatar to facilitate flexible communication among its employees

DEWA is cooperating with Microsoft to integrate its advanced interactive 3D Microsoft Mesh Avatar to support innovation, sustainability and digital transformation at DEWA. Through this step, DEWA aspires to facilitate and strengthen cooperation among employees by enabling flexible and easy interaction and facilitated 3D communication through video meetings. The employees can choose the avatars to represent them in virtual meetings.

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, highlighted that the continuous cooperation between DEWA and Microsoft contributes to expanding the horizons of innovation and leadership, and supports relentless efforts aimed at harnessing the latest technologies to achieve sustainable development and reach carbon neutrality by 2050, and ensure a greener and more sustainable future for generations to come.



DEWA initiates pilot use of ChatGPT to enhance the capabilities of Rammas, its virtual employee

After launching it last February, and as part of its strategy to employ Artificial Intelligence (AI) technologies across all its operations and services, DEWA announced the pilot use of ChatGPT, since April 2023, on its website through Rammas, DEWA's virtual employee, to enhance customer experience.

Since its launch in the first quarter of 2017 until the end of April 2023, Rammas has answered more than seven million enquiries. ChatGPT will contribute to enhancing its capabilities due to its superior ability to interact with users and better understand their needs. It will also improve its ability to learn, understand, and analyse customer enquiries based on available data and information to respond promptly and accurately.



DEWA hosts the First Industry Exchange Day in collaboration with the World Economic Forum



HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, has inaugurated the First Industry Exchange Day, hosted by DEWA and organised by the World Economic Forum (WEF) for the first time in the world. This is part of DEWA's efforts during the Year of Sustainability in the

UAE, and its strategic partnership with the largest international organisations. The event was attended by HE. Omar Sultan Al Olama, Minister of State for Artificial Intelligence, Digital Economy and Remote Work Applications; HE. Khalfan Belhouli, Chief Executive Officer,

Dubai Future Foundation; and Mirek Dušek, Managing Director, World Economic Forum. Around 50 C-level executives from local, regional and global organisations from the government and private sectors attended the event, which was held at Armani Hotel in Dubai.



DIGITAL TRANSFORMATION

DEWA is the first government entity in Dubai to add Samsung Pay to its digital services

DEWA has added Samsung Pay to the many options it provides for customers to pay their bills conveniently and securely on various digital channels. DEWA is the first government entity in Dubai to adopt the Samsung Pay option within its digital channels. Users can benefit from the service through DEWA's smart app on Samsung smartphones.

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, highlighted that DEWA is keen to enhance its global leadership and excellence in digital transformation by adopting the latest technologies and innovative solutions, and cooperating with government and private organisations, to provide its services easily and conveniently at any time and from anywhere.

In 2022, customers conducted more than 10 million transactions using the digital platforms of DEWA and its partners. Over 1.5 million transactions were completed through DEWA's smart app; more than 2.3 million transactions



were completed using DEWA's website; more than 800,000 payment processes were completed through Dubai Now; more than 350,000 payment transactions were conducted via Etisalat payment machines; more than 4.5 million transactions completed

through the smart channels of 20 banks in the UAE; and over 28,000 transactions were done through the 'Tayseer' service using cheques through Emirates NBD's cash deposit machines, and over 600,000 transactions were completed via Apple Pay.

DEWA's smart and instant response helps to reduce 218,373 tonnes of carbon emissions

DEWA, through its "High-Water Usage Alert" service, has succeeded in reducing carbon dioxide emissions by 218,373 tonnes, since the launch of the service three years ago until 31 December 2022. Through the service, DEWA detected 1,327,583 leakages in water connections after the meter, and 26,657 defects, and 13,172 cases



of increased load. The service sends instant notifications to customers if the smart meter system detects any unusual increase in consumption, so that they can quickly repair the

internal connections, or any leaks in the water connections with the help of a specialised technician, and perform the necessary maintenance work to reduce waste.

Meer Al Khair initiative 2023 collects 380 boxes of in-kind goods support and food items



DEWA launched the 'Meer Al Khair' internal community initiative, in cooperation with Al Ihsan Charity Association, Ajman, to provide in-kind goods support and food items for needy families with limited income, during the Holy Month of Ramadan. This is part of DEWA's corporate social responsibility.

DEWA employees' contributions resulted in the collection of 380 boxes of in-kind goods support and food items. Employees competed to demonstrate their giving, volunteering and community cohesion, embodying the noble values of Islam, the religion of mercy, brotherhood, goodness and tolerance, and the authentic qualities of Emirati society, which has become a global role model in humanitarian and development work. DEWA adopts an integrated strategy for volunteering in line with the wise leadership vision and directives. DEWA supports national efforts to spread giving and benevolence, especially in Ramadan, the month of charity and good deeds. DEWA is committed to promoting brotherhood and volunteerism among its staff as a national and humanitarian duty.



DEWA is keen to actively participate in “1 Billion Meals Endowment” campaign as part of our commitment to social responsibility

HE Saeed Mohammed Al Tayer
Managing Director and CEO, DEWA

Ongoing Charity

Send “Meal” to
1020 **1110**

800 9999
1BillionMeals.ae

DEWA contributes AED 20 million in support of ‘1 Billion Meals Endowment’ campaign

DEWA has donated AED 20 million to the “1 Billion Meals Endowment” campaign, launched by HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, coinciding with the Holy Month of Ramadan with the aim of establishing the largest Ramadan sustainable food aid endowment fund.

DEWA's contribution supports the charitable race that started with the campaign. Individuals, organisations, private sector companies, and the business community are contributing to the campaign that aims to fight hunger

and malnutrition in the world.

Support and Help

The campaign aims to provide food security to the neediest groups, especially in countries facing food security challenges. It also supports vulnerable segments of societies, including victims of disasters, conflicts and crises. The campaign aims to strengthen the UAE's contribution to global humanitarian work and support the Zero Hunger goal, as one of the most important 17 UN Sustainable Development Goals for 2030.

The ‘1 Billion Meals Endowment’ campaign embodies the UAE's commitment to its humanitarian role and extending a helping hand to help various societies in all difficult humanitarian circumstances and to the neediest groups, in line with its role as a support and aid for all. The campaign translates the values of giving, which are rooted in the people of the UAE. It also reflects the UAE's relentless endeavour to provide relief and food with the contribution of benevolent people and those who extend helping hands and are pioneers of humanitarian and social work.

Quote by HE Saeed Mohammed Al Tayer, MD & CEO of DEWA on World Environment Day 2023



📌 "World Environment Day, held this year under the theme 'Beat Plastic Pollution', is an important occasion to remind us that we all share one planet, and are responsible for solving environmental challenges, preserving our wealth and resources, and enhancing biological diversity. The UAE realised early on the importance of protecting ecosystems and was one of the first countries in the region to give great importance to protecting the environment and addressing the consequences of climate change. This is achieved by adopting green policies and launching pioneering initiatives in this vital sector. At DEWA, we strive for the UAE to be foremost globally to achieve Net-Zero, in line with the directives of His Highness Sheikh Mohamed bin Zayed Al Nahyan, President of the UAE, and His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to adopt future plans that combine protecting the environment and climate system, as well as achieving the highest

results in economic sustainability and societal well-being. This supports the UAE Net Zero by 2050 strategic initiative, which is a national drive to achieve net-zero emissions by 2050, the Dubai Clean Energy Strategy 2050, and the Dubai Net Zero Carbon Emissions Strategy 2050 to provide 100% of Dubai's total power production capacity from clean energy sources by 2050," said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.

"In the Year of Sustainability in the UAE, and with the ongoing preparations to host COP28 by the United Nations Framework Convention on Climate Change (UNFCCC) at Dubai Expo City, we are intensifying our efforts to promote the UAE's pioneering efforts in sustainability, environmental work and climate action. In this context, the fifth phase of the Mohammed bin Rashid Al Maktoum Solar Park has been commissioned ahead of schedule. The current production capacity of the solar park, which is the largest single-site

solar park in the world, is 2,427MW, using solar photovoltaic panels and concentrated solar power. Its production capacity will reach 5,000MW by 2030. DEWA is also implementing pioneering projects, including the Green Hydrogen project, the hydroelectric power plant in Hatta using clean energy; in addition to projects to increase energy efficiency. As part of its social responsibility, DEWA launches awareness initiatives and programmes that engage all members of society in achieving sustainable development and reducing negative effects resulting from practices that are harmful to the environment. DEWA has received many local and international awards in recognition of its tireless efforts to preserve the environment and natural resources. DEWA fully complies with all international, regional, and local standards and specifications, protecting biodiversity and using the latest methods of integrated environmental management, circular economy, recycling, and others," added Al Tayer.

COMMUNITY

DEWA participates in the Leaders of Change programme for the second consecutive year



DEWA has participated for the second consecutive year in the Emirates Nature-WWF Leaders of Change Programme in cooperation with the World Nature Fund. This is part of its efforts to encourage employees to volunteer and enhance their personal and professional skills. This year, 100 male and female employees from various divisions are participating. The programme includes training sessions, field visits and interactive activities in different parts of the UAE to raise awareness of the participants and refine their experiences in many areas, including climate action, preserving the environment, reducing carbon footprint and excellence in environmental work.

Between 2013 and 2022, DEWA launched more than 380 community initiatives, through which its employees recorded 206,560 volunteering hours in humanitarian and community initiatives, benefiting 50,458,396 people in the UAE and abroad.



DEWA launches the Sustainability Youth Ambassadors Programme in cooperation with CISL

DEWA has launched the DEWA Sustainability Youth Ambassadors Programme, in cooperation with the University of Cambridge Institute for Sustainability Leadership (CISL). This is in line with DEWA's efforts to support the youth and promote their participation in the sustainable development process and part of its activities during the Year of Sustainability. The Programme includes three workshops, each lasting two to three days, and a closing session in September 2023.

DEWA organised the first workshop of the programme with the participation of 20 young male and female employees from various divisions of DEWA. During the three-day workshop, employees

learned about the various aspects of sustainability in addition to acquiring skills in innovation and effective communications, enabling them to be effective ambassadors of sustainability

who contribute to achieving DEWA's vision to become a globally leading sustainable innovative corporation committed to achieving net zero by 2050.



HE Saeed Mohammed Al Tayer discusses collaboration with HE Mariam Almheiri and HE Hesham Al Qassim to support the Food Tech Valley project



And receives Kamal bin Ahmed Mohamed Ahmed, President of Bahrain's Electricity and Water Authority



And receives Deputy Prime
Minister of Turkmenistan
at the head of a high-level
delegation



And HE Liu Zhengjie,
Vice Consul-General at the
Consulate General of the
People's Republic of China in
Dubai



H.E. receives CEO of Etihad
Water and Electricity





And CEO of COP28

And a high-level delegation from Siemens Energy



HE receives Dr. Brian Shegar, President of the UAE Singapore Business Council





And a high-level delegation
from WeGo



And Steven Yi, President for the Middle East at Huawei



And Christian Weedbrook,
Founder and Chief Executive
Officer of Xanadu, a leading
Canadian company in
Quantum Computing

DEWA and RTA collaborate to enhance the shift towards a green economy

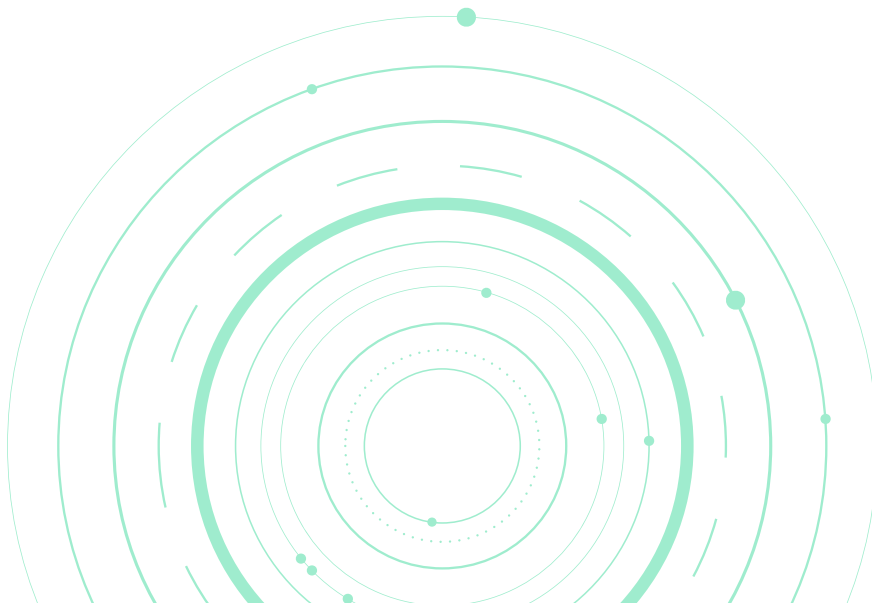


القمة العالمية للاقتصاد الأخضر
WORLD GREEN ECONOMY SUMMIT

DEWA signed a sponsorship agreement with the Roads and Transport Authority in Dubai (RTA). According to the agreement, RTA will be the Platinum Sponsor of the World Green Economy Summit (WGES), which is organised by the World Green Economy Organization (WGEO), DEWA, and the Dubai Supreme Council of Energy, for three sessions from 2023 to 2025. This supports the shared vision of DEWA

and RTA to support the transition to a green economy and consolidate Dubai's position as a global platform for sustainability.

The agreement was signed by HE Saeed Mohammed Al Tayer, MD & CEO of DEWA and Chairman of the WGEO; and HE Mattar Al Tayer, Director General and Chairman of the Board of Executive Directors of RTA.



FIGURES

2,344 DEWA employees receive Expo 2020 Dubai Medal, a grant by HH Sheikh Mohammed bin Rashid Al Maktoum



2,344 employees from DEWA were honoured with Expo 2020 Dubai Medals in implementation of the grant by HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to award Expo 2020 Dubai Medals to individuals who played a key role in the success of the global event hosted by the UAE. HE Saeed Mohammed Al Tayer, MD and CEO of DEWA, presented the medals

to DEWA employees in recognition of their efforts throughout the exhibition as well as the preparation for the event.

HE Saeed Al Tayer extended his profound gratitude and appreciation to HH Sheikh Mohammed bin Rashid Al Maktoum, for this special honour and for awarding Expo 2020 Dubai Medal to DEWA volunteers and work teams.

DEWA employees who received the Expo 2020 Dubai Medal expressed their happiness and gratitude for the honour and extended their sincere thanks and appreciation to the wise leadership. They emphasised that they were proud to be part of this historic event that brought the whole world together in the UAE. They believe that volunteering at Expo 2020 Dubai and other events is a duty to the nation.

578,000 DEWA customers enrolled in the 'My Sustainable Living Programme' to improve consumption efficiency

DEWA announced that more than 578,000 residential customers are enrolled in the 'My Sustainable Living Programme' since its launch in October 2018 until the end of 2022. The programme, the first of its kind in the Middle East, has witnessed an excellent response for its success in helping customers raise the efficiency of electricity and water consumption and contribute to reducing their carbon footprint.



FIGURES

DEWA commissions 60 MIG water reservoir in Lusaily with investments totalling AED 157.4 million

DEWA has commissioned a water reservoir in the Lusaily area. The project has a storage capacity of 60 million imperial gallons (MIG) and investments totalling AED 157.4 million. This supports DEWA's efforts to enhance water security and keep pace with the increase in demand.

"We continue to strengthen our robust state-of-the-art infrastructure and adopt innovation and the latest tools for anticipating the future. This supports the Dubai Integrated Water Resource Management Strategy 2030 and the UAE Water Security Strategy 2036. Our sound scientific planning has helped us keep pace with the growing demand for water in Dubai, according to the highest international standards. In 1992, DEWA's production capacity of desalinated water was 65 MIGD. Today it has increased to 490 MIGD. The water reservoirs we are building help increase the water flow and raise the volume of the Emirate's water reserve to meet the growing

demand and increase the efficiency and reliability of water networks to support

the sustainable development of Dubai." said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.



DEWA presents five research papers at International Conference on IT Innovations and Knowledge Discovery 2023, Bahrain

DEWA participated in the International Conference on IT Innovations and Knowledge Discovery (ITIKD) 2023, which was held in the Kingdom of Bahrain and organised by the College of Information Technology-Ahlia University, with the participation of several IT scientists, academics and specialists from around the world. During the conference, DEWA's Research and Development (R&D) Centre presented five research papers on investing in the Internet of Things (IoT) and DEWA's Space-D Programme to provide innovative solutions to the challenges facing utilities around the world, and ways to harness the latest disruptive technologies and IT emerging trends to achieve the most significant return on investment and optimal use of available resources.



DEWA receives the lowest bid of USD 1.62154 cents per kWh for the 1,800MW 6th phase of the Mohammed bin Rashid Al Maktoum Solar Park

DEWA received two (2) bids from ACWA Power and Masdar. Masdar submitted the lowest bid of USD 1.62154 cents per kilowatt hour (kWh) for the 1,800MW 6th phase of the Mohammed bin Rashid Al Maktoum Solar Park using photovoltaic (PV) solar panels, based on the Independent Power Producer (IPP) model. This phase will become operational in stages starting from Q4 of 2024.



DEWA receives the lowest water levelised tariff for Hassyan water desalination project

DEWA PJSC received two bids from ACWA Power and Abu Dhabi National Energy Company PJSC. ACWA Power submitted the lowest water levelized tariff of 0.389 US Dollars per cubic meter for the Base Proposal of 120 Million Gallons per Day (MIGD) and 0.365 US Dollars per cubic meter for the Alternative Proposal of 180 MIGD for the Hassyan Sea Water Reverse Osmosis (SWRO) Plant. The project is DEWA's first Independent Water Producer model (IWP) project.



DEWA employees recycle around 222,000 plastic bottles and aluminium cans through smart recycling machines

DEWA places great importance on environmental sustainability across all its projects, in line with its vision to become a globally leading sustainable innovative corporation committed to achieving Net Zero by 2050. Protecting the environment is a top priority for DEWA, which aims, during the Year of Sustainability, to increase awareness among employees and customers on the need to care for the environment, preserve natural resources, and adopt sustainable practices at home and in the workplace.

Smart Recycling Machines

DEWA has provided smart machines



to recycle plastic bottles in some of its buildings. These machines are operated using DEWA's Smart Office app for employees. The device reads the QR code on the smart app, and the employee receives points for each recycling operation, which are entered into a raffle draw to win valuable monthly prizes.

Since installing the smart machines in October 2022 until the end of April 2023, DEWA's employees recycled 221,900 plastic bottles and aluminum cans, which were used to produce over 11,600 T-shirts and other products by a local company using sustainable manufacturing solutions.



THE FIRST MENA SOLAR CONFERENCE ATTRACTS HIGH-LEVEL INTERNATIONAL LINEUP OF FEATURED KEYNOTE SPEAKERS, RESEARCHERS AND SPECIALISTS



Lawrence L. Kazmerski
Professor and NREL
Emeritus Fellow
University of Colorado
Boulder, USA



Mohammad K. Nazeeruddin
Professor and Molecular
Engineering Laboratory Director
Ecole Polytechnique Fédérale de
Lausanne (EPFL), Switzerland



Shanhui Fan
Professor and
Senior Fellow
Stanford University,
USA



Mowafak Al Jassim
Principal Scientist and PV
Group Manager
National Renewable Energy
Laboratory (NREL), USA



Steven Ringel
Professor and Associate
Vice President
Ohio State University,
USA



Xiaojing Hao
Professor and ARC
Future Fellow
University of New South
Wales, Australia

The first MENA Solar Conference attracts high-level international lineup of featured keynote speakers, researchers and specialists

DEWA unveiled its first lineup of international keynote speakers, researchers and specialists participating in the specialist technical sessions and panel discussions to be held during the first Middle East and North Africa Solar Conference 2023, being organised by DEWA from 15 to 18 November 2023. The conference is the first scientific and technical conference of its kind in the region, specialising in solar energy systems. It focuses on all areas of photovoltaics with a rich programme on PV materials and devices, future technologies, PV reliability and forecasting

for performance assessment. Areas extend to system operation, concentrated solar power and grid integration, all of which are key in accelerating the green energy transformation.

A lineup of renowned featured keynote speakers, top notch experts and researchers will participate in the six topical areas of the conference and take part in the themed and innovative panel discussions. These include Lawrence L. Kazmerski; Professor and NREL Emeritus Fellow, University of Colorado Boulder, USA; Mohammad K.

Nazeeruddin, Professor and Molecular Engineering Laboratory Director Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland; Shanhui Fan, Professor and Senior Fellow, Stanford University; Mowafak Al Jassim, Principal Scientist and PV Group Manager National Renewable Energy Laboratory (NREL), USA; Steven Ringel, Professor and Associate Vice President, Ohio State University, USA; and Xiaojing Hao, Professor and ARC Future Fellow, University of New South Wales, Australia, along with other experts worldwide.

THE TRENDS

Social Media Updates

TIKTOK

- TikTok has launched a new push for in-stream shopping and is testing new generative AI profile images.

TWITTER

- Twitter has removed the blue checkmark from users who are not Twitter Blue subscribers.
- Twitter prioritises content for Twitter Blue subscribers and only allows them to run ads.
- Twitter Blue subscribers can now tweet up to 10,000 characters.

INSTAGRAM

- Instagram now allows up to five links in the user's bio.
- It has introduced new analytics for Instagram Reels and created a new Reels creation flow.
- It has also launched a new API access to make creator partnerships more efficient.

LINKEDIN

- LinkedIn has added two new features for LinkedIn Premium users: a verification feature and custom CTA buttons.

FACEBOOK

- Facebook's parent company, Meta, now offers paid subscriptions (Meta Verified) in the USA, Australia, and New Zealand.



TAREQ HIJAZI

Public Sector Director at Microsoft UAE

How does the collaboration between Microsoft and DEWA enhance digital transformation and innovation in the electricity and water sector in the region?

Microsoft has a long-standing partnership with DEWA that has, over the years, empowered the organisation to further develop its digital infrastructure in line with the digital transformation goals of the UAE. In addition, the collaboration has also been vital in DEWA strengthening its position as an innovative leader among the region's electricity and water sector.

The collaboration between Microsoft and DEWA has seen the utility company adopt the Microsoft HoloLens, which allows them to visualise their Smart Power Plant and access interactive 3D models of the plant's equipment. They can also receive remote expert assistance, including access to maintenance job cards, training manuals, and operating procedures. This enables faster decision-making and improves energy efficiency.

DEWA is also utilising GPT3 on Azure Open AI. By adopting this technology, DEWA aims to provide integrated and advanced services that enhance productivity and meet current and future needs.

Additionally, DEWA is integrating the Microsoft Mesh Avatar, which facilitates flexible communication among employees through interactive 3D communication in video meetings. This allows employees to choose avatars to represent them, enhancing their engagement and presence

in discussions. Adopting state-of-the-art technologies such as these will help DEWA in its mission to improve customer happiness and provide added-value advanced digital services that enrich their experiences.

What is Microsoft's vision for enhancing collaboration with companies and governments in the region to achieve sustainable development goals?

Microsoft's vision for enhancing collaboration with companies and governments in the region revolves around leveraging technology, fostering partnerships, and aligning efforts to achieve sustainable development goals.

Microsoft recognises that we are in a new technological era with immense potential to drive improvements across all sectors of society. By harnessing the power of data and AI, we believe that innovation can lead us towards overcoming the climate crisis and achieving a more sustainable future. This presents us with a unique opportunity and responsibility to make a positive impact on the world.

As a key global provider of diverse digital infrastructure, we are well-positioned to assist governments and organisations in leveraging technology to pursue their climate goals.

Our tools and innovations, including datacentres, empower people and revolutionise how industries and organisations operate. Through its cloud-based platforms, such as Azure and Microsoft 365, Microsoft

offers scalable and secure solutions that enable companies and governments to drive sustainable development. These platforms provide tools for data analytics, artificial intelligence, and the Internet of Things (IoT), which can be leveraged to optimise resource management, enhance energy efficiency, and improve decision-making processes.

Microsoft also encourages collaboration through its partnerships and initiatives. By working closely with companies and governments, Microsoft aims to develop tailored solutions that address specific challenges in the region. These solutions can range from smart city initiatives and digital transformation in energy, water, and transportation to promoting inclusive education and empowering the workforce through digital skills development. When it comes to achieving SDGs, we believe that we should lead by example; towards that end, we have announced our commitment and a detailed plan to be carbon negative by 2030. By 2050, we aim to remove all the carbon from the environment, that we have emitted since our founding in 1975 with a commitment to invest \$1 billion over four years in new technologies and innovative climate solutions. We have also committed to being water positive by 2030 and zero waste by 2030.

In the MEA region, our aim is to empower every business and government organisation to record, report and ultimately reduce their emissions. We provide tools such as Microsoft Cloud for Sustainability to accelerate sustainability progress and business growth by bringing

together a growing set of ESG capabilities. In addition, the Microsoft Sustainability Manager unifies data intelligence and provides comprehensive, integrated, and automated sustainability management for organisations at any stage of their sustainability journey. It automates manual processes, enabling organisations to record, report, and reduce their emissions more efficiently.

To sum up, our sustainability efforts are focused on going beyond mere pledges and driving tangible progress in the region. This requires innovation, hard work, transparency, and accountability. We are confident that working together can create a more sustainable future for all.

What are Microsoft's plans for expansion and investment in the Middle East in the future?

Microsoft's plans for expansion and investment in the Middle East revolve around expanding our cloud infrastructure, supporting various digital transformation initiatives, fostering skills development, empowering startups, forming collaborations and strengthening our current partnerships. Our investments drive immense value, and we look forward to building on this and further strengthening our work with our regional customers and partners to accelerate positive economic and social impact.

We have long recognised the growing significance of the Middle East as a hub for innovation, digital transformation, and economic development. Microsoft's plans for expansion and investment in the region encompass various areas. With the growing volume of companies migrating to the cloud, we continue to focus on expanding our cloud infrastructure, enabling organisations to leverage cloud computing, data analytics, and AI to drive innovation and accelerate digital transformation. Through partnerships and collaborations, we will also continue to empower organisations in the Middle East with cutting-edge technologies and solutions to enhance productivity, improve services, and drive economic growth.

Microsoft is also committed to developing digital skills and building capacity in the Middle East. Towards this end, we will continue to provide training programs and initiatives that equip individuals with the skills needed to thrive in the digital economy. This includes initiatives focused on upskilling and reskilling the workforce and supporting educational institutions in integrating

technology into their curriculum.

To strengthen the Middle East's position as a global hub for talent, we will continue to actively support startups and foster entrepreneurship in the Middle East. Through initiatives like the Microsoft for Startups program and partnerships with local startup ecosystems, the company provides resources, mentorship, and access to technology platforms to empower startups and drive innovation in the region.

What is Microsoft's strategy for enhancing cybersecurity and data protection in the region?

Microsoft's strategy for enhancing cybersecurity and data protection in the region revolves around several key principles and technologies.

Firstly, Microsoft recognises the evolving landscape of remote work and interconnected devices, which has created new vulnerabilities for cybercriminals to exploit. In response, Microsoft advocates for a Zero Trust approach to cybersecurity, where no user, device, or network is inherently trustable. This approach involves evaluating, authenticating, and authorising each access request before granting access, providing an additional layer of protection.

To support organisations adopting a Zero Trust approach, Microsoft leverages disruptive technologies such as Artificial Intelligence (AI) to synthesise vast signals and identify evolving threats more effectively. Microsoft can provide better threat detection and response capabilities by analysing 65 trillion signals per day across devices, apps, platforms, and endpoints.

Collaboration is another essential aspect of Microsoft's strategy. The company partners with over 15,000 security ecosystem partners to bring a wide range of cybersecurity solutions and expertise to the market. This collaboration enables organisations to access various cybersecurity tools and enhance their security posture.

Microsoft also integrates security into its applications and services from the outset. Platforms like Azure, Microsoft 365, and Windows 11 include built-in security features, such as vulnerability management and macro-blocking, to proactively protect organisations. Microsoft offers comprehensive security solutions like Microsoft Sentinel, Microsoft 365 Defender, and Microsoft Defender for Cloud, which

deliver security information and event management (SIEM) and extended detection and response (XDR) capabilities.

Finally, we emphasise the importance of a security culture and urge companies in the region to modernise their approach to cybersecurity. We believe that security should be a team sport and that everyone must be prepared to address emerging challenges like ransomware attacks. By providing a comprehensive suite of security solutions and promoting a Zero Trust mindset, we are well-positioned to enhance cybersecurity and data protection in the region and enable organisations to safeguard their digital assets effectively.

Can you provide examples of how Microsoft technology is being used to address challenges and promote development in local communities in the region?

There are several ways in which Microsoft technology is being utilised to empower organisations such as DEWA in tackling challenges and supporting sustainable development.

For example, we are part of a consortium led by Moro Hub to implement the latest digital twin technologies, the Internet of Things, cybersecurity, Artificial Intelligence, and smart building management solutions at DEWA's new Al Shera'a headquarters. Al Shera'a will be the tallest, largest, and smartest government Net Zero Energy Building with net zero carbon emissions. The total energy used in the building during a year will be equal to or less than the energy produced on-site. This is done by monitoring energy efficiency and space performance using central artificial intelligence. This helps with remote diagnostics, predictive maintenance, compliance monitoring, and advanced risk assessments. The project is a global benchmark for buildings that achieve a balance between development and the environment.

DEWA has also adopted the Microsoft HoloLens to enhance its operations, improve productivity, accelerate innovation, and provide its customers the best quality and fully efficient services. HoloLens technology can also be used in confined spaces, such as combustion chambers, with continuous, direct communication with the entire team. Documents can be attached, and voice annotations added to make technical decisions quickly. The team can confirm that all the upgrades and service work have been completed safely and on time.

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requirements of including and integrating People of Determination. This is through:

- Providing consultancy and preliminary evaluation of buildings and facilities according to the Dubai Universal Design code.
- Outlining long-term plans and viewing success stories for motivation.
- Implementation and follow-up with partners and suppliers. Submitting required reports to DEWA's Advisory Council for People of Determination.
- Conducting awareness sessions about the Dubai Universal Design Code for DEWA for suppliers and vendors.
- Interactive online education: Providing an online tool for training and evaluation, according to the Dubai Universal Design Code with thorough content to train employees specialised in engineering and design about the Code's applications. This is in addition to technical supervision of all works, which sharpens their technical and practical experience.
- Dubai Code for new joiners: Launching an awareness and training programme on Dubai Universal Design Code and its requirements as a key element of new joiners' agenda. This aims to introduce them to the Code's applications and the reason for adopting them at DEWA's buildings in addition to the importance of abiding by all its requirements.



CERTIFICATE OF CONFORMANCE

This is to certify that the management system of:

Dubai Electricity & Water Authority (DEWA)

Address: Umm Hurair – 2, Oud Metha, P.O. Box 564, Dubai, United Arab Emirates

has been registered by Intertek as conforming to the requirements of:

ISO 21542:2021

The management system is applicable to:

Accessibility and usability of the built Environment in Dubai Electricity and Water Authority (DEWA) Buildings. (DEWA Head office – Umm Hurair, DEWA Academy – Al Hudaiba, DEWA Sustainable Building- Al Quoz, DEWA Customer Happiness Center - Burj Nahar, DEWA Admin Building – Al Warsan)

Certificate Number:
ME/21542/21/001

Initial Certification Date:
20 October 2021

Date of Certification Decision:
20 October 2021

Issuing Date:
21 October 2021

Valid Until:
19 October 2024



Faisal Humayun
Regional Technical Manager
Business Assurance – Gulf

INTERTEK INTERNATIONAL LIMITED, DUBAI BRANCH
14th Floor, Millennium Plaza Tower, Sheikh Zayed Road, Dubai, United Arab Emirates

In the issuance of this certificate, Intertek assumes no liability to any party other than to the Client, and then only in accordance with the agreed upon Certification Agreement. This certificate's validity is subject to the organization maintaining their system in accordance with Intertek's requirements for systems certification. Validity may be confirmed via email at ba.uae@intertek.com. Pursuant to the regulations in effect, this certification constitutes a presumption of compliance and does not replace inspections by the relevant authorities.

The certificate remains the property of Intertek, to whom it must be **Ref Number: 8586884295-2023** | **Ref Date: 04/04/2023**

What do you know about The World Autism Awareness Day

- The United Nations observes 2nd of April as World Autism Awareness Day to highlight the need to improve the quality of life of those with autism, promote their independency, protect their rights and inclusion as an integral part of society.
- Most buildings are lit in blue on this day to contribute in raising awareness
- Autism is a complex neurodevelopment disorder that is characterised by repetitive patterns of behaviour and impairments in social communications and interactions. The symptoms may present since infancy.
- A person with Autism can be characterised by noticeable obstacles in behaviour, social interactions, communication and sensory integration dysfunctions. These symptoms are commonly found in people on the spectrum but may not necessarily be exhibited by all.
- The Triad of Impairment describes Autism as social and emotional deficit: difficulties with working co-operatively, maintaining friendships and managing unstructured parts of day.
- No one cause can be singled out to reason the question about the initiation of Autism. However, most children diagnosed with Autism are due to early brain development deficits. This can also be due to genetic dispositions or gene-environment interactions. Environmental factors mainly comprise non-genetic factors.

Clean Energy reached a record 12% of global electricity in 2022

▶ Ember's fourth annual Global Electricity Review recorded a growth in wind and solar, which reached a 12% share in the global electricity mix, up from 10% in 2021.

The report analysed annual power generation and import data for 78 countries in 2022, representing 93% of global power demand.

All clean electricity sources (renewables and nuclear) reached 39% of global electricity, a new record high. Solar generation rose by 24%, making it the fastest-growing electricity source for 18 years in a row, while wind generation grew by 17%, according to the report.

The growth alone in wind and solar generation met 80% of global electricity demand growth in 2022.

In the power sector, CO2 emissions rose by 1.3% last year, but the increase in wind and solar power kept this increase at bay.

The report also mentioned that power sector emissions could have been 20% higher in 2022 without wind and solar.

<https://ember-climate.org/insights/research/global-electricity-review-2023>

شرطة دبي
DUBAI POLICE



Dubai Police NFT named Best NFT Government Project

▶ The General Department of Artificial Intelligence at Dubai Police has recently been awarded the Best NFT Government Project award for its NFT project.

During a global ceremony Dubai hosted for the first time, Colonel Hussain Ahmed bin Ghalaita, Deputy Director of the General Department of Artificial Intelligence for Smart Applications Affairs, received the Best NFT Government Project Award.

Ghalaita, expressed his pride at being honoured with this award, which is the first of its kind in the world, stressing that Dubai Police is one of the leading government institutions in launching its collections of non-fungible digital assets. He indicated that Dubai Police's launch of NFTs came in line with the government's directives toward growing interest in digital assets and contributed to attracting those interested in this modern digital trend and achieve leadership in this promising sector.

<https://www.dubai.police.gov.ae/wps/portal/home/mediacenter/news/newsdetails/dp446>



دائرة التنمية الاقتصادية
DEPARTMENT OF ECONOMIC DEVELOPMENT

Dubai's Department of Economy and Tourism relaunches Dubai Carbon Calculator

▶ Dubai's Department of Economy and Tourism (DET) has announced the relaunch of the pioneering Carbon Calculator tool that measures the carbon footprint within Dubai's hospitality sector, as part of the Dubai Sustainable Tourism (DST) initiative. The tool has now been revamped to track real-time data for carbon emission sources, allowing hotels to identify and effectively manage their energy consumption.

Since its inception in January 2017, Dubai Sustainable Tourism's Carbon Calculator, part of the Tourism Dirham Platform, has been measuring the carbon footprint of hotels across Dubai. On a monthly basis, hotels are mandated to submit their consumption of nine carbon emission sources, including: electricity, water, district cooling, liquefied petroleum gas, landfill waste, recycled waste, petrol, diesel and refrigerants. This information is aggregated and analysed to provide valuable industry insights on the sector's collective carbon footprint. In addition, by formulating a baseline along with consistent tracking, this information enables hotels to understand their energy, water and waste consumption and further identify successful cost-saving opportunities.

<https://wam.ae/en/details/1395303135491>