

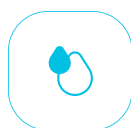
Under the patronage of HH Sheikh Ahmed bin Saeed Al Maktoum,
Chairman of the Dubai Supreme Council of Energy

WETEX 2022 DUBAI SOLAR SHOW 27-29 SEP

AT THE FOREFRONT OF SUSTAINABILITY



**The Region's Largest Sustainability & Clean
Energy Technology Exhibition**





HE Saeed Mohammed Al Tayer
MD & CEO of DEWA
Founder & Chairman of WETEX & DSS

It's my pleasure to welcome you to the 24th edition of the Water, Energy, Technology, and Environment Exhibition (WETEX) and Dubai Solar Show (DSS), which is organised by Dubai Electricity and Water Authority (DEWA) 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, Chairman of the Dubai Supreme Council of Energy.

WETEX & DSS has become the largest of its kind in the region and one of the most prominent specialised exhibitions worldwide. It brings together prominent global organisations specialised in water, clean and renewable energy, the environment, gas, green development, sustainability and related industries to present their latest technologies and innovative products and leverage on the available trade and investment opportunities. Visitors can take part in the busy schedule of specialised seminars and workshops by experts and professionals in the green economy, smart cities, innovation, and sustainable development.

I wish you fruitful participation in WETEX & DSS 2022.



HH Sheikh Ahmed bin Saeed Al Maktoum inaugurates the 8th World Green Economy Summit

HH Sheikh Ahmed bin Saeed Al Maktoum, Chairman of the Dubai Supreme Council of Energy, inaugurated the 8th World Green Economy summit today. The two-day event is organised by Dubai Electricity and Water Authority (DEWA), the World Green Economy Organization (WGEO), and the Dubai Supreme Council of Energy at the Dubai World Trade Centre. A large number of ministers, officials, and experts from around the world are taking part in the Summit.

HE Saeed Mohammed Al Tayer, Vice Chairman of the Dubai Supreme Council of Energy, MD&CEO of DEWA and Chairman of WGEO, delivered the keynote speech at the Summit.

The inauguration was attended by HE Dr. Muawieh Khalid Radaideh, Minister of Environment – Jordan; HE Kavydass Ramano, Minister of Environment, Solid Waste Management and Climate Change – Mauritius; HE Bhupender Yadav, Minister of Environment, Forest, and Climate Change - India; HE Matar Humaid Al Tayer, Chairman of DEWA, HE Abdulla Al Basti, Secretary General of The Executive Council of Dubai; HE Awaidha Murshed Al Marar, Chairman of the Abu Dhabi Department of Energy; Mohammed Mohammed Saleh, Director-General of Etihad Water and Electricity; HE Dawood Al Hajri, Director General of Dubai Municipality; HE Helal Saeed Al Marri, Director General of Dubai's Department of Economy and Tourism; HE Ahmed Buti Al Muhairbi, Secretary General of the Dubai Supreme Council of Energy; HE Saif Humaid Al Falasi, CEO of ENOC; HE Ahmed Bin Shafar, CEO of Emirates Central

Cooling Systems Corporation (Empower); Abdulla Bin Kalban, Managing Director of Emirates Global Aluminium; Ali Rashid Al Jarwan, CEO of Dragon Oil; Mohammad Abunayyan, Chairman of ACWA Power; Mahmoud Yahya al Thuhli, Administrative Development Adviser to Oman's Environment Authority's Chairman, and a number of ministers from around the world as well as local and international officials.

"This year, we organise the 8th edition of the World Green Economy Summit under the wise leadership of His Highness Sheikh Mohamed bin Zayed Al Nahyan, President of the UAE, who said in 2015 that : "There will be a time, 50 years from now, when we load the last barrel of oil aboard a ship. If our investment today is right, I think – dear brothers and sisters – we will celebrate that moment". This summit also supports the wise vision of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, in launching the 'Green Economy for Sustainable Development' strategy to build a green economy in the UAE under the theme 'A Green Economy for Sustainable Development'. The World Green Economy Summit is held under the patronage of His Highness Sheikh Mohammed bin Rashid Al Maktoum and his directives to expand dialogue and promote concerted efforts to develop solutions for a better and more sustainable future for us and for generations to come. Held under the theme of 'Climate Action Leadership through Collaboration: The Roadmap to Net-Zero', the World Green Economy Summit this year will explore opportunities for collaboration and





exchange of knowledge and expertise among stakeholders, international and regional organisations, as well as public and private sectors, with the goal of promoting the transition towards a green economy. The theme reflects the need for international cooperation to combat climate challenges which affect the entire world,” said Al Tayer in his keynote speech.

Al Tayer said that the world has witnessed major crises across all sectors due to climate change, which has caused natural disasters in various regions worldwide. Last month, Europe experienced its worst drought in at least 500 years, shrinking water levels in key rivers. This negatively impacted trade across rivers and canals, which contributes around \$80 billion to the Eurozone economy. Just recently, one third of Pakistan was completely and deeply flooded with rainwater binging widespread destruction and misery. According to the World Health Organization, water scarcity impacts 40% of the world’s population, and as many as 700 million people are at risk of being displaced due to drought by 2030. The Sixth Assessment Report of the Intergovernmental Panel on Climate Change 2022 indicates that climate change will

impact water quality and availability. Globally, 800 million to 3 billion people are projected to experience chronic water scarcity due to droughts at 2°C warming.

“Although climate change is the defining crisis of our time, yet we are not powerless in the face of this global threat. The UAE has been leading global efforts in tackling climate change and has always pioneered efforts to address global challenges and promote quality investments in the green economy. Selecting the UAE to host the 28th Conference of the Parties (COP 28) to the UN Framework Convention on Climate Change (UNFCCC) underlines the world’s recognition of the UAE’s efforts and its effective role in combating climate change. Last year, the UAE announced the UAE Net Zero by 2050 Strategic Initiative, with investments of more than AED 600 billion in clean and renewable energy until 2050. This makes it the first country in the Middle East and North Africa to launch such an initiative. The announcement comes as the pinnacle of the UAE’s efforts and journey in climate action over the past three decades since it acceded to the UNFCCC in 1995. His Highness Sheikh Mohammed bin Rashid Al Maktoum also launched the Dubai Net Zero Carbon Emissions Strategy 2050 to drive sustainability, innovation, and transformation towards a sustainable green economy, as well as provide 100% of the energy production capacity from clean energy sources by 2050,” added Al Tayer.

Al Tayer explained that Dubai has succeeded in reducing carbon emissions by 21% in 2021; exceeding the target set in the Dubai Carbon Abatement Strategy 2021, which aimed to reduce carbon emissions by 16% by 2021.



Al Tayer noted that the UAE hosts specialised international institutions in the green economy, such as the International Renewable Energy Agency (IRENA) in Abu Dhabi and the World Green Economy Organization in Dubai, among other leading organisations. The UAE consistently supports global efforts to address climate change by announcing effective solutions that enable low-carbon sectors, as well as leading projects that support the country's future strategies and aspirations, such as Masdar City in Abu Dhabi and the Mohammed bin Rashid Al Maktoum Solar Park in Dubai. Last March, the UAE Government, represented by the Ministry of Climate Change and Environment, the World Green Economy Organization, and Dubai Electricity and Water

area. The fourth pillar will highlight the need to support and empower the youth who are the driving force of sustainable development and positive change in order to prepare the next generation of climate action leaders," added Al Tayer.

Al Tayer emphasised that given the vital role young people play in the effective implementation of climate action, the World Green Economy Summit is hosting the Regional Youth Conference, which brings together which brings together MENA youth to discuss their priorities. This precedes the World Youth Conference that will be held in conjunction with COP 27 in November in Egypt, as well as the UAE's preparations to host COP 28 next year in Expo City Dubai.



"Over the years, the World Green Economy Organization has mobilised global efforts to promote joint action to combat climate change. In cooperation with the UNFCCC, WGEO established the Regional Cooperation Centre for the Middle East and North Africa in Dubai, which provides technical support to stakeholders to increase investments in technologies, solutions and partnerships to reach a carbon-neutral economy.

Authority, hosted the first-ever MENA Climate Week. The event achieved remarkable success and attracted over 15,000 participants from 40 countries worldwide and 500 global speakers and experts. The event was organised in collaboration with the UNFCCC and other international partners.

"The solutions necessary to reach net zero in the future are within our reach, but we are running a race against time. Guided by the vision and directives of His Highness Sheikh Mohammed bin Rashid Al Maktoum, green hydrogen has become one of the key enablers to achieving Dubai's plan to reach net zero by 2050. In this regard, DEWA is developing a strategy and roadmap for green hydrogen in cooperation with international consultants. The 8th World Green Economy Summit focuses on four key pillars of the green economy: Energy, Finance, Food Security, and Youth. In the Energy pillar, we will look into solutions to enhance energy efficiency and decarbonise the energy systems. The Finance pillar will focus on attracting and encouraging green investments. In the Food Security pillar, the Summit will examine approaches and methodologies to build resilience and sustainability into value chains to meet the growing challenges in this

The Summit will keep building on what it has accomplished in the previous sessions, particularly the advancements made since the Seventh Dubai Declaration, which concluded the last edition, and the aspirations outlined in the Declaration's framework. The Summit will also underline the UAE's commitment to speeding the shift towards a green economy, as well as the improvements it has made in implementing eco-friendly solutions across all areas," continued Al Tayer.

Al Tayer thanked HH Sheikh Ahmed bin Saeed Al Maktoum for inaugurating the Summit. He also valued the contributions and efforts of all parties involved in the Summit. They have helped it achieve this leading global position, playing a significant role in establishing the green economy regionally and globally.

Participation

During the Summit's official opening ceremony, Sheikha Shamma bint Sultan bin Khalifa Al Nahyan, CEO of Alliances For Global Sustainability, delivered the UAE Representative speech in a video message, while Ovais Sarmad, Deputy Executive Secretary, UNFCCC, delivered the International Representative speech.



The first day also featured a Panel Session titled 'Implementing the Paris Agreement: Building a MENA climate action legacy.' HE Dr. Muawieh Khalid Radaideh, Minister of Environment in Jordan, HE Kavydass Ramano, Minister of Environment, Solid Waste Management and Climate Change in Mauritius, Dr. Dena Assaf, Resident Coordinator, UN Resident Coordinator in the UAE, James Grabert, Director, Mitigation Division, UNFCCC, and Hana Al Hashimi, Chief Climate Negotiator, Office of the UAE Special Envoy for Climate Change, took part in the session, which was moderated by John Defterios, Professor of Business, NYU Abu Dhabi & World Economic Forum Energy Fellow. The panellists discussed topics related to climate action in the Middle East and North Africa (MENA), and the significance of hosting COP27 in Egypt later this year and COP28 in the UAE next year.

Under the patronage of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of

the UAE and Ruler of Dubai, HH Sheikh Ahmed bin Saeed Al Maktoum, Chairman of the Dubai Supreme Council of Energy and Honorary President of the Emirates Energy Award (EEA), honoured winners of the 4th cycle of the award. EEA is organised by the Dubai Supreme Council of Energy, under the theme 'Inspiring Innovation for Sustainable Energy'. HE Saeed Mohammed Al Tayer, Vice Chairman of the Dubai Supreme Council of Energy and Chairman of the Emirates Energy Award; and HE Ahmed Buti Al Muhairbi, Secretary General of the Dubai Supreme Council of Energy and Vice Chairman of the Executive Committee of the Emirates Energy Award, were present. The ceremony was also attended by officials from the government and private sectors as well as experts in renewable and clean energy. The ceremony was held during the 8th World Green Economy Summit 2022 in Dubai. A total of 28 winners in 10 categories were recognised for their achievements and innovations in providing the best energy efficiency and alternative energy solutions.

WORLD GREEN ECONOMY SUMMIT

القمة العالمية للاقتصاد الأخضر

حكومة دبي
GOVERNMENT OF DUBAI

المجلس الأعلى للطاقة
Supreme Council of Energy

جائزة الإمارات للطاقة
EMIRATES ENERGY AWARD



Inspiring Innovation for a Sustainable Future



Winners in the Emirates Energy Award 2022

Energy Projects

- Gold: **ACWA Power**
- Silver: **Sweihan PV Power Company**
- Bronze: **Al Rawabi Dairy Company**

Energy Efficiency in the Public Sector

- Gold: **Egypt Ministry of Electricity and Renewable Energy**
- Silver: **Abu Dhabi Municipality**
- Bronze: **Dubai Airport Free Zone**

Energy Efficiency in the Private Sector

- Gold: **Riyad Refinery - Saudi Aramco**
- Silver: **Izzat Marji Group (Jordan)**
- Bronze: **Dubai Airports & Johnson Controls Int'l.**

Education & Capacity Building

- Gold: **Moroccan Solar Cluster**
- Silver: **Dr. Kamelia Yossef (Egypt)**
- Bronze: **Centre of Excellence in Energy Efficiency (KSA)**

Research and Development (R&D)

- Gold: **Hamad Musabeh Alteneiji (UAE)**
- Silver: **EXPEC Advanced Research Centre (Saudi Aramco)**
- Bronze: **Saudi Aramco R&D Center**

Distributed Solar Energy – Large Scale

- Gold: **DP World (UAE)**
- Silver: **German Jordanian University**
- Bronze: **Dubai Chamber (University of Dubai)**

Distributed Solar Energy - Small Scale

- Gold: **Saudi Aramco**
- Silver: **Emirates District Cooling (Emicool)**
- Bronze: **Ministry of Education & Ministry of Energy & Infrastructure (UAE)**

Young Professional

- Gold: **Dr. Abdulaziz S Al-Qasim (Saudi Arabia)**
- Silver: **Kehkashan Basu (India)**
- Bronze: **Mohammed Naeem Chunare (UAE)**

Special Recognition Award

- Emirates Central Cooling System Company (Empower), in recognition of its achievement in Thermal Energy Storage
- Korean Environment Corporation (South Korea), in recognition of its achievement in Waste-to- Energy
- Yanbu Refinery (Saudi Aramco), in recognition of its achievement in Operational Efficiency (Waste Heat Recovery)
- Majid Al Futtaim, in recognition of its achievement in Education and Capacity Building



Global Alliance on Green Economy launched during World Green Economy Summit in Dubai



Under the patronage of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, the World Green Economy Summit witnessed a ministerial roundtable on green economy. Around 25 ministers and officials from around the world were present.

During the meeting, HE Saeed Mohammed Al Tayer, Chairman of the World Green Economy Organization, and MD&CEO of Dubai Electricity and Water Authority (DEWA); launched the 'Global Alliance on Green Economy', which aims to build a coalition of countries, prioritising a green economy in the context of climate action and sustainable development, to enhance the capacity of developing countries, provide support for their green economy transition projects and exchange knowledge on implementation.

The Ministerial Roundtable on Green Economy was attended by HE Bhupender Yadav, Minister of Environment, Forest, and Climate Change, India; HE Hussein Makhoul, Minister of Local Administration and Environment, Syria; HE Naseer Ahmed, Minister of Environment, Sri Lanka; HE Dr. Mona Ali Mohammed Ahmed, Higher Council for Environment and Natural Resources (HCENR), Sudan; HE Kavyass Ramano, Minister of Environment, Solid Waste Management and Climate Change, Mauritius; HE. Adam Ohirsi, Minister of Environment and Climate Change, Somalia; and a number of senior officials from across the world.

During the meeting, Al Tayer commended the commitment of the participating countries and their efforts towards the global transition to a green economy that ensures

sustainable development, resilience to climate change, and poverty eradication. He noted that this roundtable, like many others during the World Green Economy Summit, aims to foster a green way of living by ensuring a healthy balance between economic growth, social prosperity, and environmental protection. He said they should be committed to a transition to a global green economy based on collective will, partnerships and swift action.

"For us in the UAE, pioneering the adoption of green economy principles and practices within sustainable development, resilience to climate change, and poverty eradication are paramount. We have embarked on a journey to be a global hub and effective example of a new green economy that can achieve economic sustainability while protecting the environment for future generations. This vision of the UAE's wise leadership can be seen in our national policies," said Al Tayer.

"Advancing the green economy requires international cooperation, guaranteeing a new approach and a stable partnership among all stakeholders globally. Linking the Paris Agreement goals and its corresponding articles, as well as the 2030 Agenda for Sustainable Development with climate planning and climate finance, are key synergies in this transition. We truly believe this harmonisation to be essential in the lead-up to COP27 and COP28 in Egypt and the UAE, respectively," he added.

"We are not only launching the UAE Global Alliance on Green Economy today, but we are creating a stronger partnership among ourselves to work towards a vision to which we already agreed by committing ourselves to





achieving the SDGs and the Paris Agreement goals. This Global Alliance is not the outcome but the first milestone toward important work ahead. We will now be engaging with countries to identify their needs, priorities, and challenges in the context of the green economy, during the next three months. This multi-stakeholder exercise and inclusive consultation with countries will lead to the launch of a suite of flagship projects by WGEO to support the green economy agenda in the countries joining the Alliance. The work under the Alliance will address pressing issues such as food security and carbon markets and how cooperation can be increased at the South-South and North-South levels. I firmly believe that the Alliance and today's roundtable on the green economy will help us move closer to this goal, by making appropriate solutions available and accessible at the state level and leading us towards real change," said Al Tayer.

look forward to creating a better future for us and our next generations, I would like to extend a warm invitation to world leaders to join us on this journey and to support effective green economic solutions that address the current economic and environmental needs," added Al Tayer.

HE Mariam bint Mohammed Saeed Hareb Almheiri, Minister of Climate Change and Environment, said, "Our ability to accelerate the transition towards a green economy depends on enhancing the pace of global joint work. This requires a unified platform with common goals that can enhance this cooperation. And This is what the Global Alliance on Green Economy aims to achieve."

Her Excellency praised the important role of the World Green Economy Organization in supporting the Alliance. "Through the Alliance, we look forward to strengthening communications and cooperation, exchanging knowledge



"We will also be working towards advancing WGEO in the context of its role at the national, regional, and global levels during 2023. We will be moving towards the international treaty of WGEO. I am also thankful to development partners who have been instrumental in the success of WGEO. We are pleased to have WGEO hosting the UNFCCC Secretariat Regional Collaboration Centre and convening the first-ever MENA Climate Week, which was a great success. WGEO has conducted several ministerial conferences in various regions with the support of the UN South-South Cooperation. WGEO is also hosting the UAE local network of the UN Global Compact; and WGEO itself was launched with UNDP at the inception phase. I want to assure the country representatives that this Alliance will be a great success story and will continue to grow, be replicated, and be upscaled in various domains. As we

and expertise, and raising the ambition of our commitments. This will contribute to achieving sustainable development. Such alliances contribute to the comprehensive implementation of the green recovery agenda, which supports developing countries to contribute effectively to achieving low-carbon balanced development. This in turn, contributes to combating the climate challenge and achieving net-zero targets by the middle of the century," Her Excellency added.

Participants in the ministerial roundtable underlined the importance of the Alliance's launch as a platform for concerted global efforts, especially in the current phase of severe climate challenges. Such developments highlight the pressing need for concerted efforts by all countries to implement the Paris Agreement goals and the 2030 Action Plan for Sustainable Development.





Etihad ESCO signs several contracts and MoUs at WETEX and DSS 2022

Etihad Energy Services Company (Etihad ESCO), a wholly-owned subsidiary of DEWA, has signed several contracts and MoUs with several Dubai government entities at the 24th WETEX and Dubai Solar Show (DSS).

Etihad ESCO signed MoUs with the Real Estate Regulatory Agency (RERA), a division of the Dubai Land Department, for energy efficiency and energy metering services; contracts with Dubai Municipality, Dubai Multi Commodities Centre (DMCC) and Dubai Civil Defense for solar energy generation projects and energy efficiency of their facilities.

“We are pleased that WETEX and DSS exhibition has witnessed several MoUs and contracts among various government and private entities in the UAE and from around the world. This enhances the exhibition’s position as an ideal global platform for making deals, building partnerships, and identifying market needs and the most prominent current and future projects and opportunities for participating in solar energy projects and energy efficiency programmes in the region. This also enhances Dubai’s position as a global hub for clean energy and green economy, and contributes to achieving 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. Over the past years, the exhibition has played a leading role as a platform for developing partnerships and making deals between international companies and their local and regional counterparts in the electricity, water, energy, environment and other related sectors,” said **HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.**

For his part, **HE Dawood Al Hajri, Director-General of Dubai Municipality**, said: “We are pleased with our new cooperation with Etihad ESCO to implement projects for the rehabilitation of buildings in Dubai Municipality, and for contract solar energy projects, within the framework of the Municipality’s keenness to develop partnerships and strategic cooperation relations with various sectors and companies, as part of its corporate approach and values. These agreements will enhance Dubai’s strategic vision and plans in the field of sustainable energy, to achieve the future vision of a “green and sustainable economy”, which enhances its leading position in the world in the field of clean energy and green economy. It will also support the Municipality’s efforts in planning and the implementation of various projects that raise the level of well-being and sustainability of life for the residents of the Emirate, in translation of the directions of the Dubai government aimed at transforming Dubai into one of the smartest cities in the world.



HE Sultan Butti bin Mejren, Director General of Dubai Land Department, said: “At Dubai Land Department, we continuously consolidate our partnership with other government entities and align with the wise leadership’s vision to make Dubai’s economy the best in the world in the next 50 years. The signing of the MoU with Etihad ESCO is in line with our strategy and vision to create robust cooperation that contributes to supporting Dubai’s government, as well as providing an ideal environment and high-level services in accordance with best practices and relevant international standards. We will harness our human, professional and material resources to serve the real estate sector and its leading position as one of the best markets regionally and globally.”



HE Major General Jamal bin Adhed Al Muhairi, Acting Director General of Dubai Civil Defence, said that the agreement with Etihad ESCO serves the strategic goal of pursuing a green economy for sustainable development by making Dubai a global model of green economy transition through leadership, partnership and adoption of energy efficiency technologies, to make the Dubai built environment a leading example of energy efficiency in the world, thus contributing to achieving the Dubai Clean Energy Strategy 2050 and enhancing cooperation in smart and eco-friendly initiatives. He emphasised that the signing of the agreement comes as part of the role of the department and its social and environmental duty.



HE Marwan bin Ghalita, CEO of the Real Estate Regulatory Agency in Dubai, said: “At the Real Estate Regulatory Agency and Dubai Land Department, we are committed to enhancing the performance of the real estate sector and all related services, especially energy services. We are pleased with the partnership that was signed with Etihad ESCO on the sidelines of WETEX, which will result in a qualitative addition to the sector. Through it, we are working to enhance the prospects of bilateral partnership in many related issues, such as implementing energy improvement solutions in buildings, which contribute to reducing energy costs, and providing everything that would achieve our common goals. This, in turn, will cement Dubai’s position as an attractive environment for real estate investments.”

During the signing ceremony, **Feryal Ahmadi, Chief Operating Officer, Dubai Multi Commodities Centre,** said: “Sustainability and decreasing carbon emissions are among the most critical issues that people and businesses face today. We aim to integrate sustainability at all levels at DMCC, which is why we are proud to be signing this important agreement at WETEX today as part of Dubai’s wider decarbonisation efforts. By complementing our broader sustainability strategy through initiatives such as this, we are able to deliver an enormously positive impact to the 100,000 people that live, work and enjoy the JLT district.”



“Etihad ESCO provides promising investment opportunities for companies specialising in energy efficiency contracts, financial institutions, and suppliers of green equipment and technology to develop an energy efficiency market, create jobs through energy efficiency projects, and retrofit facilities as part of its efforts to make Dubai a leading example of energy efficiency, regionally and globally,” said **Dr. Waleed AlNuaimi, Acting CEO of Etihad ESCO.**



WETEX and DSS 2022 witness the launch of an array of the latest water technologies



The 24th WETEX and Dubai Solar Show (DSS) witnessed the launch of several advanced, innovative technologies in water sustainability, infrastructure, treatment, desalination and purification, water flow control, sewage treatment, wastewater disposal, water extraction from air and others.

“Korean companies were able to achieve great results through participation in WETEX and DSS 2021, and we expect that various performances will be obtained this year as well,” said **Seulgi Kim, Manager of Korea Water Partnership (KWP)**. KWP is participating in the exhibition. It also attracts the Korean Water Cluster; K-water; Enertork, which is specialised in valves; SM tech, which specialised in water hammer prevention systems using big data & AI technology; Daehan Sensor, which specialised in the manufacture and development of level sensors, transmitters, controllers, and monitoring systems; Wintec Glovis, the manufacturer of water purification devices; DH Water for water treatment, desalination and purification systems; Bokju, the leading company that is manufacturing water tanks; Turbowin for turbo compressor; IOREX for anti-corrosion devices; and IS Technologies for ultrasonic sensors.

AquaterreX, which is based in the USA, launched its new technology for Deep Seated Water which uses satellites and algorithms to identify freshwater locations. “We are pleased to announce these new technologies at the premier water and solar trade show in the MENA region. We have established relationships with key players in the area and look forward to providing substantial new water resources to countries that need it most,” said **James D’Arezzo, Chairman and CEO of AquaterreX**.

Xylem, a leading water technology company committed to addressing the challenges facing the water sector around the world, showcased its latest technologies in the field of water and wastewater during the exhibition. “At Xylem, we pride ourselves in being pioneers in the water industry and strive to introduce technology that is innovative, efficient and sustainable. The products we are displaying at the upcoming WETEX & Dubai Solar Show are a testament to that. We are pleased to showcase our celebrated N-impeller series as well as other cutting-edge monitoring tools and accessories at the event and look forward to connecting with and giving potential customers the chance to explore our diverse product suite that is designed to improve efficiencies and maintain high-performance,” said **Naji Skaf, Managing Director of Xylem Middle East and Turkey**. During the exhibition, the company will present its most prominent N-impeller technology in addition to the MAS801 technology, the high-performance Cordoneil multi-use network sensor, and others.

On the participation of Dutco Tennant in the exhibition, Ravi Venugopal, Deputy CEO of the company, said: “It has always been our endeavour to align with DEWA’s efforts towards providing sustainable and innovative technologies in the field of water resource management and water treatment.”

Leading local and global companies

Metito, the leading global provider of water management and alternative energy solutions, is participating in the exhibition through a range of its pioneering projects in the region in the field of managing water facilities and



desalination plants, providing a sustainable supply of clean drinking water, and enabling highly efficient operations based on various advanced technologies including Reverse Osmosis (RO) membrane technology.

A group of leading Russian companies in the water sector are showcasing their latest technologies and products during the exhibition. The most prominent of these companies are Alta Group which specialises in the design and production of sewage treatment facilities, as well as products for external engineering networks; JSC filter, a manufacturer of FTOV filter elements designed to remove mechanical particles with a size of 1-100 microns in treated water, drinking water and liquid materials; Neptun, the developer and manufacturer of high-performance environmentally friendly equipment for industrial and domestic water treatment systems; NPO Ecosystema for water treatment and wastewater treatment complexes.

“WETEX for many years has been the main platform to showcase sustainability and green technologies for the region, which is much needed in our world nowadays more

company will highlight a set of analytical devices that work remotely to provide continuous monitoring of water networks. Swan highlights its Chematest 42 device, which monitors the performance of a wide range of measuring devices.

Corys Piping Systems highlights environmentally friendly PVC-O water piping systems throughout their life cycle stages. The tubes are also characterised by their low cost and lightweight structure.

Also, AKWT Water Treatment Company offers a range of water treatment systems that consider the environment at all its stages, from design, through implementation, sales and maintenance services. India's GSE Filter BVT showcases its environmentally friendly water purification products such as wound PP micron cartridges and NZO technology. Union Fiber Glass Factory will highlight its water tank products, and the company is looking forward to building new partnerships during the exhibition to open new offices in the UAE and the region. Photrack AG is demonstrating the Discharge Keeper technology for



than ever. Atlas Copco as one of the world's top sustainable companies, is proudly partnering in this event to present the latest efficient compressed air technologies that can drive a greener industry and reduction of CO2 emissions,” said **Amr Ayyad, Regional Business Line Manager of Oil Free Air Division at Atlas Copco Services Middle East.**

The Binder Group offers several systems and equipment for biological purification control of wastewater treatment plants, saving up to 50% of energy. GFP Trading also provides a variety of pipes, including PVC, PVC-C, carbon steel and others. Future Pipe Industries presents a range of its latest products for the manufacture and installation of pipe solutions for companies specialised in the oil and gas, industrial, water, onshore and offshore sectors.

Imerys is demonstrating its Sewper Liner technology to protect wastewater infrastructure assets. Advance Alpha also offers a suite of services based on automation and the latest technology to ensure the best design, manufacture and performance of water pipes. In addition, the Swan

collecting, storing, and measuring water flow in rivers, irrigation canals and drainage canals.

Neolysi Technologies is also participating in the exhibition for the first time. The company will present its most prominent technologies and the ESG benefits of this technology which it developed nearly ten years ago. The company has registered patents in 38 countries for reducing over 70% of residues, in addition to a significant increase in biogas production when combined with biodegradation. Neolysi technologies can be used in urban and industrial wastewater treatment plants in urban and rural areas.

Electrotechnical Technologies Systems (ETS) is reviewing Klorigen's applications for water and wastewater treatment, which are characterised by its cells that clean themselves by electrolysis. This technology contributes to raising the efficiency of the cells and extending their lifespan.





WETEX & DSS 2022 brings together leading local and global EV companies

Several leading local and international companies specialising in electric vehicles (EVs) are showcasing their latest products and services during the 24th WETEX and Dubai Solar Show (DSS).

M-Glory, the first EV manufacturing facility in the UAE, highlighted the UAE-made 'Al Damani' models built on European specifications, and keeping pace with the latest technologies of the Fourth Industrial Revolution. International car manufacturer, Stellantis showcased four types of electric vehicles. In addition, EVS, which specialises in EV maintenance services, demonstrated a range of its leading services in the region. In addition, CITA displayed different types of EV chargers. Yablochkov also showcased some of the charging systems for electric vehicles that the company has developed. DEWA has allocated a special area at its stand for the Green Charger initiative launched in 2015 to provide the first public infrastructure for charging EVs in the region. DEWA's green charger network includes 336 charging stations distributed across Dubai to ensure a seamless charging experience based on the latest smart and innovative technologies.

"We are happy to participate in WETEX and Dubai Solar Show, and to be part of these initiatives, as we believe in the importance of contributing to the diversification and

development of clean energy sources and ensuring the security of their supplies. The presence in such exhibitions represents an opportunity to meet with major companies that has the same orientations locally and globally, and learn about the various innovations in the sectors of energy, water, sustainability and green technologies. As a businesswoman and owner of the first electric car factory in the GCC and the Middle East, I would like to assure you that we, as concerned with the economy in the country, are responsible not only for encouraging local consumption and giving added value to our products, elevating our national economy, achieving industrial development and material profit, but we are also responsible for achieving



Dr. Majida Alazazi
Chairman and Founder of the
M-Glory Holding Group



the goals of the wise leadership of the UAE to make the UAE a global centre for clean energy, green economy and building an economic model based on environmental sustainability. This goal has great support from the wise leadership, and everyone should take advantage of this opportunity to achieve what our leadership aspires to; and we will work to continue the growth of the UAE's leadership in foreign trade and its investments in the field of clean and renewable energy," said **Dr. Majida Alazazi, Chairman and Founder of the M-Glory Holding Group.**

"Peugeot has made its debut at WETEX 2022, introducing its latest line up of fully electric commercial and passenger



Rakesh Nair
Head of European Brands at Stellantis
Middle East

vehicles. Peugeot's EVs retain 100% of the functionality of conventional petrol and diesel versions, but generate zero noise, zero vibration, zero emissions and zero odour. This is enough to change the lives of users and their surroundings radically. With WETEX's 23-year heritage of bringing together leaders and businesses from the energy, water, environment, oil, gas, and green development sectors, it is the ideal platform for us to showcase the allure of the Peugeot fully electric line up, and communicate the benefits of EVs for individuals, businesses, and local and global communities. I look

forward to sharing my thoughts on the future of mobility in WETEX alongside my peers in industry and government leaders. I believe that as a business operating in the region, we have a responsibility to understand how public and private sectors can work better together to manage the transition to a greener, more sustainable economy – in which EVs have a central role to play," said **Rakesh Nair, Head of European Brands at Stellantis Middle East.**

"It was a privilege for CITA EV Chargers to be a part of the WETEX 2021 at the Dubai Exhibition Centre, EXPO site. The event was a massive success overall and for CITA EV itself, as we had the opportunity to showcase our smart and robust EV charging infrastructure to a global audience. We were most excited at the diversity of people and potential clients we met at the Expo in 2021,



Rohit-Ramesh-Portrait
Senior Product Manager, from
CITA EV Charger

most of whom have become part of our network. Our experience at the WETEX not just helped us reach the MENA audience but also a global market that appreciates thoughtful design and good e-mobility technology. ITA EV is thrilled to be part of this prestigious event once again in 2022 and hopes to make some exciting partnerships!" said **Rohit-Ramesh-Portrait, Senior Product Manager, from CITA EV Charger.**



Newlisi presents its innovative technology at WETEX 2022 for sewage sludge reduction and energy recovery

Newlisi S.p.A. is participating in WETEX & DSS. The company located in Hall 6, Stand B12, is presenting its technologies and describing its environmental, social, and economic benefits. Developed about a decade ago and patented in 38 countries, the Newlisi process allows for over 70% reduction of sludge for disposal as well as for a significant increase in biogas production when coupled with anaerobic digestion.

The Newlisi process can be exploited in both urban and industrial wastewater treatment plants, with benefits in terms of risk mitigation and operating costs reduction; the solution is applicable to any type of plant, whether or not equipped with an anaerobic digester.

“Newlisi’s Clean Water, Green Power solution is addressed to owners or operators of wastewater treatment plants. Our technology is now mature, having been deployed in real scale for almost 8 years. The performances achieved in Siena, Lecce and Grosseto demonstrate that we can

operate with success in different plants, with very different objectives and different characteristics. This is the reason why our shareholders believe in our growth potential, as demonstrated by the new capital injection. In this critical moment of instability, uncertainty, and growing prices, Newlisi solution represents an immediate, concrete and easily applicable answer to reduce waste and increase renewable energy production in a circular economy scheme,” said **Edoardo Riccio, CEO of Newlisi S.p.A.**

It is a two-step (acid - alkali) or one step (alkali) oxidative thermochemical hydrolysis carried out at low temperature (80°C) and atmospheric pressure. Different from other hydrolysis, the use of an oxidising agent enhances the solubilisation of the organic sludge fraction, thus making anaerobic digestion and dewatering more effective. Among other sludge treatment processes, the Newlisi solution is also very simple and cost-effective to run: it is mostly automatised, it doesn’t require personnel with special certifications, and it has very low maintenance costs.



Edoardo Riccio
CEO of Newlisi S.p.A.





WETEX and DSS 2022 witness the launch of new technologies in digital transformation & smart sustainable cities

The 24th WETEX and Dubai Solar Show (DSS) is hosting a number of the world's leading companies in the field of digital transformation, smart and sustainable cities.

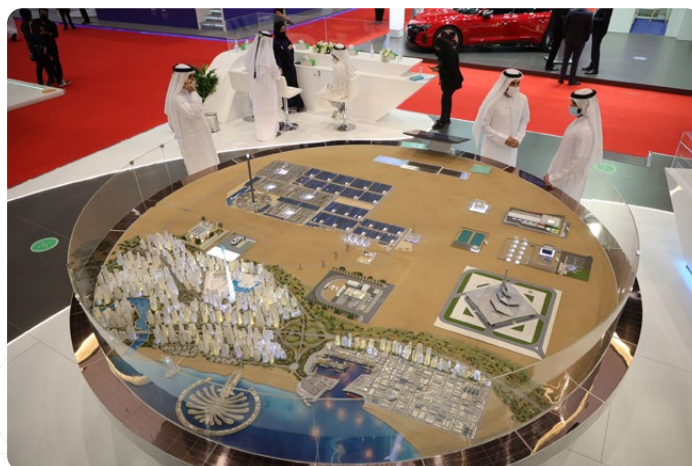
The exhibition witnessed the launch of several new technologies that support the acceleration of digital transformation and the use of environmentally friendly technologies. Participating companies seek to benefit from the ideal opportunities offered by the exhibition to expand their business and launch new offices and branches in the UAE and the region.

During WETEX and DSS, the international company Vivavis showcased its most innovative services for smart grids and advanced digital technologies for the energy and water sectors. These services include monitoring, managing, and controlling power and water networks remotely and collecting, saving, and investing energy data. Moreover, it develops smart meters, increasing the efficiency of electricity and water networks, saving effort and time, and reducing emissions.

Dell also participated with a number of its digital transformation services that help companies adopt technologies in all aspects of their business to accelerate innovation, build their digital future, transform information technology, and protect their assets and information.

During the exhibition, Atlas Copco, a world leader in sustainable air compressor solutions, launched for the first time its new eco-friendly ZP Oil-free Air-cooled High-Pressure Compressors, for water distribution applications. "WETEX has for many years been the main platform to showcase sustainable and green technologies and introduce them to the region, which is what

the world needs more than ever nowadays. As one of the world's leading companies specialising in sustainability, Atlas Copco is proud to participate in this event to showcase its latest high-efficiency compressed air technologies, which contribute to making the sector greener and





reducing carbon emissions. Compressed air accounts for nearly 10% of the global energy consumption,” said **Amr Ayyad, Business Line Manager for the Oil-Free Air at Atlas Copco.**

MK Business Link, in cooperation with the Polish Ministry of Climate and Environment, the Polish Chamber of Commerce, and many innovative Polish companies, are participating this year to showcase their unique, sustainable solutions during WETEX and Dubai Solar 2022 within the Polish pavilion.

“As the official representative of Polish companies participating in WETEX and DSS, we are promoting the exhibition in Poland. Our main objective is to expand the knowledge of Polish companies about WETEX and Dubai Solar Show, increase the participation of Polish companies in the exhibition, and contribute to the growth of trade fairs. We support the efforts of our partners in the UAE to find the best solutions to build future business relationships with Polish companies,” said **Małgorzata Panek-Kasinska, CEO of MK Business Link.**

In addition, a delegation from the Polish Ministry of Climate and Environment will participate in a series of specialised sessions to highlight the most prominent Polish companies working in green energy and the most important advantages of the “GreenEvo - Green Technology Accelerator” project.

RAD showcased its latest technologies in the Industrial IoT with advanced computing and secure operational online communications for power grids. “We are proud to participate in WETEX 2022 to provide the best solutions for the



Ilan Tevet
Vice President of Marketing and
Business Development at RAD

energy, utilities and other critical infrastructure sectors, including remote monitoring, control and automation, industrial Internet of Things with edge computing, as well as micro smart devices for network security and many other innovations,” said **Ilan Tevet, Vice President of Marketing and Business Development at RAD.**

ATDX displayed its latest innovative products and technologies in sustainable digital transformation. The company expressed its happiness to participate in the exhibition, considering that the participation is the result of the constructive relationship between the company and DEWA through “DigitalX”, one of DEWA’s digital subsidiaries, the digital arm of DEWA.

Shunya Ekai Technologies introduced for the first time introduce three of its new technologies that enable digital transformation: RIOT ENV for early detection of floods and forest fires, RIOT EM ONE for real-time air-conditioning health monitoring, and RIOT WM1 technology for waste level monitoring. All of these technologies rely on robotics, IoT and software.

In addition, DEWA through its platforms participating in the exhibition demonstrated a number of its smart grid services, including the innovative “Big Data and Analytics platform” that has been implemented at DEWA, which combines big data, artificial intelligence and advanced analytics capabilities. The platform is suitable for complex analytics applications that require massive data ingestion and processing. DEWA will also highlight the projects of Digital DEWA, the digital arm of DEWA, and its subsidiaries, which were launched by DEWA as part of the Dubai 10X initiative to make the Government of Dubai 10 years ahead of other cities. Through this initiative, DEWA aims to redefine the work mechanism of utilities and become the first digital utility in the world, with autonomous systems for renewable energy and storage, while expanding the use of AI and digital services.



WETEX & DSS 2022 organises 37 specialised panel discussions and seminars on day one

DEWA has organised 37 specialised seminars and panel discussions on the first day of the 24th WETEX and Dubai Solar Show (DSS) 2022.

Day 1 included nine key panel discussions and seminars entitled Energy Efficiency, Sustainability & Conservation; Clean Energy (Green Hydrogen) and Energy Efficiency, Sustainability & Conservation; ENOC Link Smart Station; Improving Manufacturing Operations with IoT Technologies; E-Mobility – Enabling EV Adoption with Smarter Grids; Road to Green Hydrogen; Energy Efficiency, Sustainability and Conservation; Securing Your Digital Transformation; and Aquifer Storage & Recovery – Large Scale Strategic Storage for Desalinated Water.

Day 1 also witnessed seven panel discussions on renewable energy and sustainability. These were titled Meet GreeEvo companies – reliable suppliers of smart eco-friendly solutions; Clean Energy in the MENA Region: Landscape & Outlook, Challenges & Opportunities;



MENA Region: Role of Governments and Private Sector; Climate Finance in the MENA Region: Challenges and Opportunities; and Green Hydrogen in MENA: A Hype or a Ripe?

Moreover, Day 1 comprised eight sessions on managing supplier relationships bringing together major companies including Samsung, Dell, Jumbo, Ingram Micro, and DEWA.

Meanwhile, the Water Hall seminars on Day 1 included seven sessions on secure connectivity solutions in water management; total solutions for water hammer, surge analysis, fabrication, installation, and training; The technical and commercial advantages of using ceramic flat membrane technology; Desert Solar Solutions; Smart Metering in the Smart City; Savings in Water Distribution Networks; and Change Impact & Evolutions - Hydrology and Water Resources.



Roadmap to Achieve Net-Zero Economy Accelerating the Energy Transition: Opportunities and Challenges ahead of COP27 & COP28; Financing the Energy Transition in the

The Educational and Innovation Zone, which is dedicated to youth at Hall 1 in the exhibition, hosted six panel discussions, presentations, and round table discussions that brought together sustainability leaders, postgraduate students and young professionals.





Italy joins UAE's effort to promote a more sustainable future

With 51 companies attending WETEX, Italy is the 4th global supplier of technologies for the local renewable energy market

WETEX and DSS witnesses the participation of 51 Italian companies. This is the largest presence ever in the exhibition. Italy fully supports the Dubai Government's vision to build a sustainable future and WETEX plays an important role in driving discussions around the topic and presenting the latest technologies for a greener future and economy.

His Excellency Giuseppe Finocchiaro, Consul General of Italy in Dubai, said: "Italy's relation with the UAE is long-standing and diverse, with cooperation in many different sectors and potential for more. The main areas of mutual interest range from innovation to renewable energy and water solutions, from technology to infrastructure, SMEs, startups, smart cities and the circular economy – all key in the UAE Vision to build a future economy.

When it comes to the UAE, Italy is the fourth exporting country of technologies used exclusively in renewable energy sources. Air or vacuum pumps, air or other gas compressors and fans, extractor or recycling hoods with built-in fans, account for almost 50% of the market share, while diodes, transistors and photosensitive semiconductor devices, including photovoltaic cells are part of the category that saw the biggest spike in request from one year to the other (+127% in the first semester of 2022), followed by engines and driving machines with 56% increase in the value of goods imported to the UAE until June 2022.

Amedeo Scarpa, Italian Trade Commissioner to the UAE said, "Italy and the United Arab Emirates are fully aligned in their efforts to tackle the current climate

challenges and WETEX is the ideal platform to further develop the bilateral trade relationship in the renewable energy sector.

"With Euro 154 million worth of products exported to the UAE in 2021, Italy is the second European supplier to this country when it comes to technologies for the renewable



energy sector. The Italian export industry has been consolidating and growing over the years and registered a 14% increase last year versus 2020.

"We are back at WETEX with even more skilled Italian companies as sustainability is a priority in our agenda; our motto this year is "sustainability is sustainABILITY" concluded Mr Scarpa.

During the three-day fair, visitors can meet with Italian manufacturers and service providers who offer advanced solutions to environmental and food sanitation, integrated waste treatments, environmental rehabilitation plants, water treatments, dewatering equipment, chemical dosing, seawater desalination plants, alternative fuels, metering pumps, laboratory testing, renewable energy systems, and plants for civil use and agriculture.



The mastermind behind The Sustainable City brand SEE Holding showcases diversified portfolio of solutions for a net zero emissions future in WETEX



SEE Holding, the mastermind behind The Sustainable City Brand revealed their diversified portfolio of subsidiaries under the three pillars of sustainability: social, environmental, and economic during WETEX exhibition organised by DEWA.

Faris Saeed, Group Chairman said: "We believe that leading by example is the only way to make a real and long-lasting change. In SEE Holding we have dedicated our resources to creating a complete ecosystem of services and

solutions for every entity and every individual to reduce emissions footprints and we are committed to sharing this essential knowledge and reversing the climate crisis. This new stage of growth underlines our continuous transformation allowing us to stay at the forefront of the global movement towards a net zero emissions future. We go beyond building cities, we commit to a promise of building a world where humanity can live, work, thrive side-by-side and in harmony with the ecosystem."



Dr. Aman Puri, Consul General of India in Dubai inaugurates the Indian Pavilion at WETEX and DSS 2022.



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