

Masdar's core messaging

Masdar, Abu Dhabi's renewable energy company, has been at the forefront of the UAE's efforts in the development, commercialisation and deployment of clean technologies across utility scale plants, off-grid projects and sustainable real estate— as a link between today's fossil fuel economy and the energy economy of the future. Since its inception in 2006, Masdar has established itself as a global leader of clean energy research, technology and commercialisation:

- By investing in clean energy projects valued at US\$8.5 billion globally—of which Masdar's share is US\$2.7 billion
- By developing 2.7 gigawatt (GW) of renewable energy projects worldwide, either in operation or in the pipeline
- By displacing nearly 2.5 million metric tons of carbon dioxide emissions per year

As a pioneer in a rapidly evolving industry, Masdar is always pushing the boundaries to find and implement commercial solutions that mitigate the impact of climate change and enable energy access.

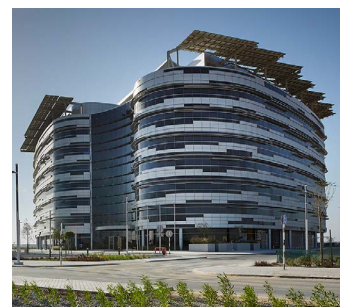
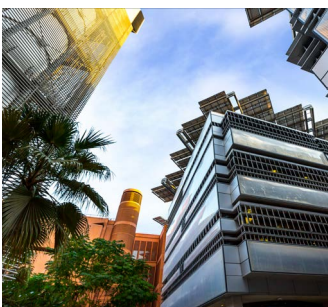
Masdar has cemented its track record as one of world's most important renewable energy developers, having 10 years of experience in developing renewable energy solutions that are helping advance the industry in both the Middle East and North Africa (MENA) region, as well as international markets.

From providing a green-print for sustainable cities and diversifying local energy sources, to educating future leaders and demonstrating the commercial viability of renewables, Masdar continues to build on a decade of outstanding achievements. As a unique ecosystem incorporating research & development, academia, business and sustainable urban development, Masdar is finding solutions to some of the world's most pressing sustainability and clean energy challenges.

Energy and Water Leadership

The effect of Masdar's energy and water stewardship has an impact globally, changing lives in Abu Dhabi, the MENA region and beyond by:

- developing supply and demand solutions that reduce consumption while achieving commercial viability
- providing energy security while offsetting carbon emissions and diesel use
- creating a city that offers a visionary 'greenprint' for sustainable urban development
- nurturing the UAE's future energy leaders in technological innovation and R&D to help shape tomorrow's sustainability agenda
- contributing to overall water security through renewable-powered desalination, waste water treatment and sustainable water usage



Four Pillars of Masdar:

Research and Academia

Masdar Institute is an independent, graduate-level research university dedicated to advancing renewable energy and sustainable technologies. Supported by highly specialised laboratories and a world-class faculty, Masdar Institute students focus on research themes and project areas such as:

- Water, environment and health
- Energy systems
- Micro-systems and advanced materials

The Masdar Institute, which has graduated nearly 550 students, has awarded 15 PhDs from the class of 2015-2016 alone

Sustainable Real Estate

Masdar City combines passive and intelligent design to showcase how urban environments can accommodate denser populations with fewer resources. Key features of the city include:

- Pedestrian-friendly streets and low-carbon public transportation systems
- Energy and water demand reductions of up to 40%
- An award-winning clean technology cluster, including a free zone with more than 450 registered companies

Masdar City is home to:

- The Siemens regional headquarters, the first LEED Platinum certified office in Abu Dhabi
- The headquarters of the International Renewable Energy Agency (IRENA), the UAE's first 4 Pearl structure under the Estidama Pearl Building Rating System
- An emerging portfolio of residential properties that are 40% more energy and water efficient than conventional urban structures

Clean Energy Deployment

As a renewable energy developer– Masdar is building and investing in some of the world's most sophisticated, commercially-driven clean energy projects. Masdar also delivers specialised small and medium-sized renewable energy applications and operates projects in areas presenting unique energy and technology challenges.

Masdar has utility- scale and off grid projects in the United Arab Emirates, Spain, the United Kingdom, Jordan, Mauritania, Egypt, Morocco and Serbia. Masdar is advancing the UAE leadership's vision of promoting innovation and entrepreneurship through its innovative projects including the world's first utility-scale concentrated solar power plant in Spain that provides electricity 24 hours a day

Clean Tech Innovation

Masdar is pioneering breakthroughs that will help shape future clean tech, including:

- Middle East's first carbon capture, utilisation and storage project
- A testing hub for electric energy storage
- A state-of-the art solar testing and R&D hub for solar and solar thermal projects
- An Integrated Seawater Energy and Agriculture System for Research
- A pilot programme to develop advanced desalination technologies using solar power

People and Partnerships are Fundamental

Masdar hosts Abu Dhabi Sustainability Week, an annual event that unites key global leaders to address the critical needs – from policy to finance to technology – that must be met to solve energy, water and climate challenges. The platform includes five signature events:

- World Future Energy Summit
- EcoWaste Exhibition
- The Festival at Masdar City
- International Water Summit
- Zayed Future Energy Prize

Masdar's Domestic and International Projects

- Nearly 2.7GW of renewable power projects in operation and under development globally
- Masdar has made gross investments of US\$2.7 billion in renewable energy projects over the last 10 years

INTERNATIONAL

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| <ul style="list-style-type: none"> 1 London, UK
London Array and Dudgeon Wind Farms 2 Scotland, UK
Hywind, Floating Wind Farm 3 Spain
Torresol Energy 4 Serbia
Tesla Wind Farm 5 Morocco
Solar Home Systems 6 Mauritania
Sheikh Zayed Solar Plant and Rural Electrification Programme 7 Afghanistan
Solar Home System, Rooftop PV 8 Egypt
PV Plants and Solar Homes 9 Seychelles
Port Victoria Wind Farm | <ul style="list-style-type: none"> 10 Jordan
Tafila Wind Farm and Baynouna Solar Plant 11 Palau
Palau Solar and Desalination 12 Nauru
Nauru Solar Plant 13 Pohnpei
Federated States of Micronesia 14 Tuvalu
Tuvalu Solar Plant 15 Kiribati
Kiribati Solar Plant 16 Honiara
Solomon Islands Solar Plant 17 Vanuatu
Vanuatu Solar Plant 18 Samoa
Samoa Wind Turbines | <ul style="list-style-type: none"> 19 Majuro
Marshall Islands Solar Plant 20 Fiji
Fiji Solar Plant 21 Tonga
Tonga Solar Plant 22 Germany
Gotha, PV Solar Power Plant |
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ABU DHABI, UAE

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| <ul style="list-style-type: none"> 1 Shams 1 2 Al Reyadah - CCUS Project 3 Masdar City 4 Solar Roof Programme 5 Um al Zurool Farm Project 6 Murwah Island Project 7 Al Wathba Stables Project | <ul style="list-style-type: none"> 8 Sea Palace 9 UAE Island - PV & Desalination 10 Desalination Pilot Plant 11 Al Ain Dewan 12 Masdar City, PV Plant 13 Al Jarnain Island, PV Plant |
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RAS AL KHAIMAH

- 1 Rashid Abdullah Omran Hospital

DUBAI

- 1 Mohammed bin Rashid Al Maktoum Solar Park

