

# FAST FACTS



## What is Masdar?

Masdar is a commercially driven renewable energy company based in Abu Dhabi, United Arab Emirates. A strategic government initiative, the company has a mission to invest, incubate and establish the new energy industry in Abu Dhabi and around the world. Masdar is playing an important role in extending Abu Dhabi's energy leadership beyond hydrocarbons. By adopting an integrated, holistic business model – merging higher education, R&D, investment and sustainable living – Masdar can meet the changing needs of the evolving industry.

## Key Facts & Figures:

- Founded in 2006
- **\$15 billion** commitment by the Abu Dhabi government
- Over **\$1.7 billion** of equity invested across renewable energy projects with a total value of over **\$6.4 billion**
- A subsidiary of the Mubadala Development Company
- Contributing to Abu Dhabi's target of **7%** renewable energy capacity by 2020
- Dr. Sultan Ahmed Al Jaber is CEO and Managing Director

## How is Masdar structured?

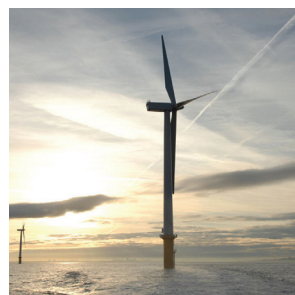
Today, Masdar is a university, a renewable energy developer, an investor and a cleantech cluster in one of the world's most sustainable urban developments. The company comprises three integrated business units complemented by a graduate-level research university:



**Masdar Institute** is an independent, graduate-level research university dedicated to advancing renewable energy and sustainable technologies.



**Masdar City** is one of the most sustainable urban developments in the world. Designed as a cleantech cluster with special economic zone incentives, the city attracts companies to commercialise and deploy new energy technologies in the Middle East.



**Masdar Clean Energy** is a commercial-scale, renewable energy developer and investor – building some of the world's most sophisticated clean energy projects.



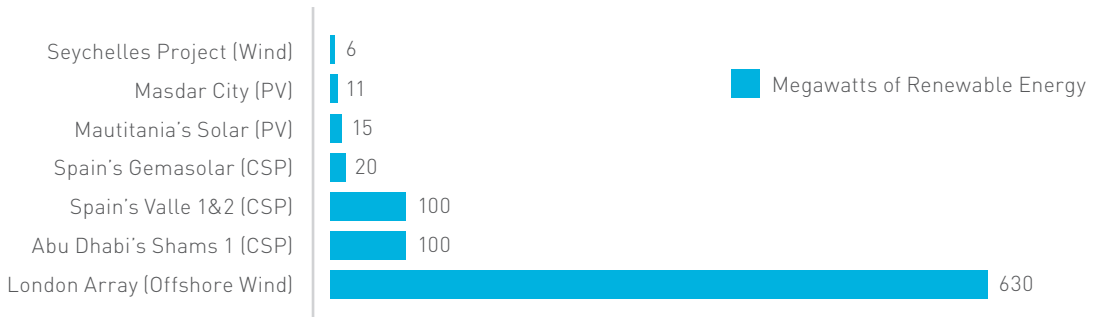
**Masdar Capital** invests in the world's most promising cleantech companies – maturing the technologies that will power a more sustainable tomorrow.

# Producing Results

## Delivering Clean Energy

- Masdar's investments deliver nearly **1GW** of clean power
- Masdar has international wind and solar projects in Spain, United Kingdom , Mauritania and more
- Masdar is responsible for **12%** of installed CSP capacity
- Masdar's projects represent an estimated **68%** of the Gulf's renewable energy capacity

*Masdar projects at a glance:*



## Cutting-Edge Research

Anchored by highly specialised labs and a world-class faculty, **337** students at Masdar Institute are researching:

### Research Themes:

- Water, Environment and Health
- Energy Systems
- Micro-systems and Advanced Materials

### Project Areas:

- Biomass-derived fuels
- Smart-grid applications
- Saltwater desalination
- Energy-efficiency technologies

## Sustainable Urban Development

Powered entirely by renewable energy, Masdar City combines passive and intelligent design to showcase how an urban environment can accommodate for denser populations with fewer resources. Key features of the city include:

- Energy demand reductions of **56** percent
- Potable water demand reductions of **54** percent
- The establishment of the **first** commercial building housing companies
- Establishment of the Siemens regional headquarters
- The Masdar Institute campus with **337** students and **73** faculty
- The headquarters of the International Renewable Energy Agency (IRENA)

# Collaboration is at its Core

Masdar hosts Abu Dhabi Sustainability Week, a yearly event that unites key global leaders in an effort to address the critical needs – from policy to finance to technology – that must be met to solve the energy and climate challenge. The platform includes three signature events:



Annual meeting focused on advancing future energy, energy efficiency and clean technologies



A platform to promote water sustainability and the water-energy nexus in arid regions



A \$4 million annual prize recognising businesses, schools and individuals impacting the fields of energy and sustainability