

# Masdar City

Masdar City is a planned city located in Abu Dhabi, United Arab Emirates and designed by the renowned architectural company Foster and Partners. Planning started in 2006 and construction on the city began in 2008. The initial plan was to complete the US\$ 22 billion project in 2016. After just two years it was clear that this ambitious goal could not be reached. The main problem was the impact of the global financial crisis. The new date for the final completion is estimated to be in 2030.

The city is planned to host 50,000 inhabitants, around 1,500 businesses, a university and the headquarters of the International Renewable Energy Agency (IRENA). The businesses and the university are especially focused on environmentally friendly products and research. The goal of this huge experiment is to create a city without emissions and waste production. The energy demand of the city will be satisfied by solar power and other renewable energy sources. Another quantum jump will be the water supply. It is planned to guarantee the water supply with one of the biggest and most advanced desalination plants.

However, the biggest challenge is to realize this plan in one of the most hostile areas on our planet, the Arabian Desert. Temperatures can reach up to 50° Celsius, availability of water is extremely limited and heavy sandstorms make the surrounding conditions everything but easy. This project can prove that it is possible to create a working, sustainable city. If this is possible in such conditions, it is very likely to have other cities like that all over the world. Therefore, the project, which is financed by money from the oil business, has the goal to set an example and guide the world to a completely new and different future.

## List of references:

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