

# Masdar, Abu Dhabi Future Energy Company, Headquarters Building

Abu Dhabi, UAE

**Owner**

Masdar, Abu Dhabi Future Energy Company

**Architect**

Adrian Smith + Gordon Gill Architecture

**Completion Date**

2012

**Total Area**

1.25 million sf

**Number of Floors**

7



Images courtesy of Adrian Smith + Gordon Gill Architecture



Thornton Tomasetti is providing structural design services for the Masdar Headquarters building, a 1.25-million-square-foot, seven-story commercial building for a zero carbon emission, green community. The building will be a world-class innovative landmark of sustainable architecture and engineering design.

The headquarters building will be the world's first large-scale, mixed-use positive energy building and will produce more energy than it consumes. The structure will include numerous systems that generate energy, eliminate carbon emissions and reduce liquid and solid waste. The complex will utilize sustainable materials and feature outdoor air quality monitors and one of the world's largest building-integrated solar energy systems. The Masdar Headquarters will reduce its water consumption by 70 percent, compared with typical mixed-use buildings of the same size.

In addition to being the Masdar Headquarters, the building will accommodate private residences and will offer commercial space for businesses starting up in the city.