

CASE STUDY

MIDDLE EAST

Saadiyat Island Construction Village



SAADIYAT ISLAND CONSTRUCTION VILLAGE



Location:	Saadiyat, Abu Dhabi, United Arab Emirates
System Installed:	Hot Water Requirements: 605,000 litres/day at 60°C.
Solar Collectors:	3328 x Solahart Bt Collectors (6634m ² in total)
Storage System:	48 x Solahart 7000 DBe Heat Store II, 36 x 3500 DBe Heat Store II. (462,000 litres in total). Electrically boosted.
Estimated Energy Saving:	9,700,000 kWh per year (12,700 tonnes CO ₂ per year from a coal fired power station).

Saadiyat Island is a large, low lying island 500 meters off the coast of Abu Dhabi in the United Arab Emirates. A mixed commercial, residential, and leisure project is currently under construction on the island, expected to be completed in 2020. Saadiyat Island represents one of the most important development opportunities in Abu Dhabi's history, and is expected to be both a strategic international tourism destination as well as a community of more than 150,000 people.

The development plan includes 29 hotels, three marinas, museums and cultural centres, two golf courses, civic and leisure facilities, sea-view apartments and elite villas.

Saadiyat Island Construction Village is being built to house up to 40,000 workers employed during the construction phase of Saadiyat Island. It covers 40 hectares and facilities include shops, internet booths, sports and recreational parks, laundry facilities, dining areas and landscaped gardens.

Solahart was selected to supply a Commercial Solar hot water solution for the first phase of the project, to satisfy the complete hot water requirements for the 20,000 workers accommodated in the 60 buildings that comprise the village.

