



The Afghanistan Project

Helmand Province, Afghanistan

The Afghanistan Project is a Masdar initiative that has installed 600 solar home systems in 27 villages within the Helmand Province of southern Afghanistan. The project is enhancing the lives of more than 3,000 people without access to electricity.

The installations include 545 houses and 55 public buildings, including schools, mosques and clinics. Each system includes rooftop solar photovoltaic (PV) panels and battery storage.

Masdar installed the solar systems in partnership with the local community, and provided training on how to operate and maintain them.

The project was financed by a grant from the Government of Abu Dhabi aimed at raising living standards in developing countries. Masdar Energy Services, a specialised renewable energy solutions provider, developed and delivered the project.

Quick facts

- Completed in September 2013
- Delivers power to 600 homes and public facilities in 27 villages of southern Afghanistan
- Extends energy access to 3,000 people
- Each solar home system includes PV panels, energy-efficient lighting, two fans, a TV and a refrigerator
- System batteries can store a two-day supply of energy