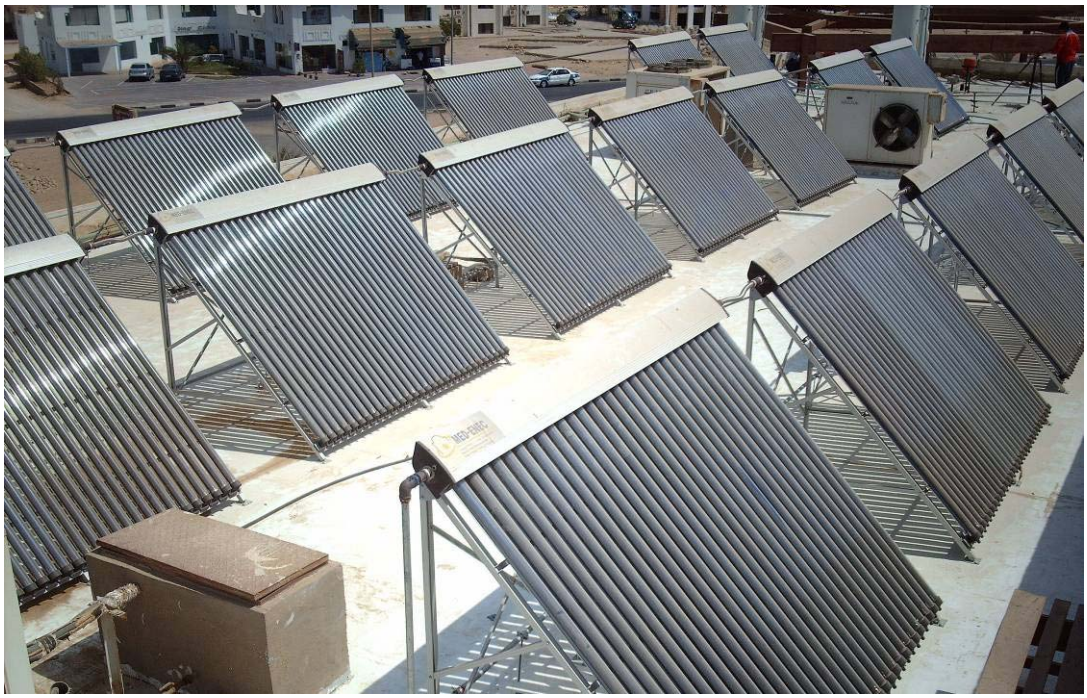
Press-release. 28 june 2009

Cooling with the sun in Sharm El Sheikh

On the 28th of June the solar cooling installation in the EEAA building in Sharm El Sheikh was officially inaugurated by H.E. Maged George Egyptian Minister of Environment. The project demonstrates new sustainable solar cooling techniques that can be used in small offices or larger dwellings.

The project is part of a project sponsored by the European Union: 'Energy-efficiency in the construction sector in the Mediterranean' (MED-ENEC).

The EEAA building in Sharm El Sheikh holds the Sinaï park administration and the Sinaï park management and training rooms and sleeping accommodation for students. On this building cooling with solar energy is demonstrated. The system uses an absorption chiller and solar collectors. An Absorption chiller uses the heat of the sun to generate cooling energy. The heat of the sun is efficiently collected with a evacuated tube solar collector. Apart from the pump- energy to drive the different circuits of the system no additional energy is needed. In addition to installing the solar absorption chiller, building improvements were carried out such as the application of thermal insulation coat on the roof of the building, installation of well sealed windows and sheds and the use of solar water heaters and energy saving lamps. All these measures reduced the energy consumption of the building with 80%.



Solar collectors on the roof of the EEAA building