Education Academy Mont-Cenis
Herne > Germany
**Plant Size**
1 MWp

**Location**
Herne, Germany

**Operator**
Betriebsgesellschaft Akademie Mont-Cenis Herne mbH

**Planning and Realization**
HHS Planer & Architekten AG
abakus energiesysteme GmbH

**Commissioning**
1999

**Annual Yield**
approx. 750,000 kWh (750 kWh/kWp)

**CO₂ reduction**
approx. 525 tons / year

**Modules**
Mono- and polycrystalline Optisol roof and facade element from Scheuten Solar

**Inverter**
569 Sunny Boy 1500

---

**Technology and architecture**

A module surface of 10,000 square meters, 3,185 solar modules, 1 megawatt of power output and a practical as well as stunning architecture – all this makes the Education Academy in Herne, Germany one of the most impressive examples of the integration of solar technology into buildings.

The climatic shell of the building consists of more than 20,000 square meters of glass, approx. half of which is covered by solar cells. All areas within the interior space and inside the buildings are thus optimally illuminated and shaded. In addition, light reflectors in front of the windows of the inner buildings increase the daylight supply.

The climate in the interior of the building is similar to that of the city of Nice, in summer as well as in winter time. In order to prevent overheating in the summer, it is possible to open roof and facade elements. In addition, seven ground channels provide ventilation from the outside. A ventilation system with heat recovery is used for heating in the winter. The supply air is additionally heated via the ground channels.