

The first green public building in Turkey: Cezeri Green Technology Technical and Industrial Vocational High School

Feb 6, 2017



A school complex, which belongs to Ministry of National Education is constructed in line with the principles of integrated building design approach as a part of the project on Promoting

Energy Efficiency in Buildings in Turkey and will be a model for public sector.

Cezeri Green Technology Technical and Industrial Vocational High School is the first environment-friendly public building and creates a model for showing how to reduce energy consumption in public buildings in Turkey and related GHG emissions in a cost-efficient way.

Cezeri Green Technology Technical and Industrial Vocational High School complex belongs to has a land area of 17.030 m² and indoor area of 21.940 m² and the school complex has 26 classroom, 6 laboratory, 10 ateliers, sports hall, a dormitory building with 52 rooms with 147 bed capacity.

Technical aspects of the school campus are as follows:

- Green roof
- Photovoltaic solar panels and wind turbine
- Rainwater collection system and grey water usage
- High performance building envelope
- Natural lighting with solar chimney
- Appropriate sunshade settlements
- Efficient soil borne based heat pump
- Trigeneration chiller and trigeneration unit
- Solar wall
- Underground pipe system
- Natural ventilation

Promoting Energy Efficiency in Buildings Project is being executed by General Directorate of Renewable Energy (YEGM) of Ministry of Energy and Natural Resources in cooperation with UNDP with the financial support of Global Environment Facility (GEF). The Ministry of Environment and Urbanization, and Ministry of National Education are other partners of the project.

For further information please watch our video on the first green public building in Turkey: [Cezeri Green Technology Technical and Industrial Vocational High School](#)

Source:

http://www.tr.undp.org/content/turkey/en/home/presscenter/articles/2017/02/tuerkiye_nin-ilk-yeil-kamu-binas--cezeri-yeil-teknoloji-teknik-v/