



School takes the lead in Renewables

Castellammare di Stabia, Italy – 66 600 inhabitants

Solar energy – Nearly zero-energy buildings



Thanks to the efforts of a committed school principal and the successful cooperation with the local administration, the city of Castellammare di Stabia got its first nearly zero-energy building.

Project in a Nutshell

Thanks to a €350 000 investment coming from the European Regional Development Fund (ERDF), a 9kW photovoltaic plant and a 50m³ solar thermal plant were installed in the public school *Luigi Denza* (including an elementary school and a kindergarten) in march 2017; the energy performance of the building was also improved thanks to the construction of an insulation coating for the building.

Impact & Next steps

The *Luigi Denza* school became the first nearly zero-energy building in Castellammare. It is also a safer building, as it now respects the current national building regulations.

Beside the environmental benefits generated by the project, the City Council is also able to save around €20 000 per year and intends to replicate this project in four additional school buildings. This would allow savings of up to €100 000 per year.

Replicability: Challenges & Success Factors

The local administration underlined the important role of the school's principal, who advocated for the project and closely followed it until the completion. The initiative was possible thanks to the successful collaboration with the technicians and experts made available by the city council.

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