

Andalusia becomes a test lab for the development of solar tiles that generate heat and clean energy

LOCATION: Mijas (Málaga)

DURATION: 1:55

SUMMARY: A roof made out of glass is able to transform sunlight into energy. It covers 80% of hot water need in a home and supplies the 100% of the heating in the top floor, apart from the 45% in the ground floor. The Swedish company creator of this technology has chosen Andalusia as the place to develop their adaptation to the Mediterranean climate, as this region offers the optimal climate conditions. The wavy shape of these tiles permit using sunlight during the whole day.

VTR:

Part of the tiles of this house are made out of a material which isn't very common. They are made out of glass and absorb sun energy to offer hot water and heating supply to this house in the Andalusian town of Mijas.

ANDREAS TELANDER
Director of 'Soltec Energy
Mediterráneo'

"They replace conventional tiles, give insulation and its installation is quick."

Under this roof a fluid circulates conducting the collected heat to the rest of the house thanks to a distributor installed in the basement, which will also be used to heat the water of this swimming pool. The particular shape of these tiles offers the advantage of collecting sun energy more efficiently than using solar panels.

ANDREAS TELANDER
Director of 'Soltec Energy
Mediterráneo'

"Being wavy it receives the solar radiation angle during the whole day."

The Andalusian region has been chosen by the Swedish enterprise that has patented this system to develop a model adapted to the Mediterranean climate. 20 homes already count on this solar roof.

ANDREAS TELANDER
Director of 'Soltec Energy
Mediterráneo'

"We decided to bring this idea or invention to Spain and mainly to Andalusia, mainly because here we found the ideal climate conditions."

The initial investment to install this system isn't very hard, as the Andalusian government finances part of it.

ANDREAS TELANDER
Director of 'Soltec Energy
Mediterráneo'

"Now they have been sold to a project of 180 houses in Estepona, Málaga, and 30% of the installation has been subsidised."

Renewable energy that covers 80% of the hot water needs and 100% of the heating in the top floor. A new way of taking advantage of one of the most abundant resources of the Andalusian region.