

Sheet no: 5

Country: Spain

End User: Club Tennis Sabadell



General Presentation

The Sabadell Tennis Club, near Barcelona, decided to reduce their energy bill by installing a solar thermal system. The system began to operate on January 2006, covering part of the hot water demand and giving support to the swimming-pool.

Technical Aspects

Measures:

- Design and construction of the solar plant
- Financing via a state-owned corporate entity and direct subsidies
- Operation management

Results:

- Yearly hot water demand (DHW + swimming pool) : 720,5 MWh
- Collector area: 348 m²
- Expected yearly energy production: 868 kWh/m²

Contractual aspects

The ESCo (Pasch y Cia), contracted Aiguasol Enginyeria for the design of the solar plant, and the system was installed by Fototerm. The duration of the contract is 12 years, and at the end the plant becomes property of the end user, without any payment for this concept. The contract includes a minimum consume for the end user around the 85 % of the expected energy production. The billing is made monthly via a fixed quantity, and at the end of the year the result is compensated in agree with the real consume.