



Outdoor Pool in Hänigsen

SOLPOOL D02



Since the complete renovation of the open swimming pool Hänigsen in Niedersachsen, the pool water has not been warmed up any more with oil as an energy source, but with solar energy. As a consequence, the community of Uetze can save about 20.000 €. The pool water is warmed with 580m² of Sportsolar and 160m² of ClassicSolar absorbers. The SportSolar absorber from the company SOLKAV is not installed on the roof of any building, but it is integrated around the edge of the swimming pool. This type of absorber saves the costs of the traditional heating system, as well as the cost of the material used to cover the area surrounding the pool border.

Installation

Firma Solkav GmbH
www.solkav.co.at

Planning and design

Firma: VA Wiechmann & Partner
Expo Plaza 10, 30539 Hannover
www.planungsgruppe-va.de

Operator

Gemeinde Uetze, 31311 Uetze
Adresse des Freibades Hänigsen:
Am Fließgraben 32, 31311 Hänigsen

Swimming Pool and Solar System

Installation year	2005
Pool surface area and depth	1.250 m ² , depth 1,8 m 200 m ² , depth 1,2 m
Area of absorber	700 m ² (580 SportSolar, 160 m ² ClassicSolar absorbers)
Specific yield	280 kWh/(m ² -a)
Type of absorber	SOLKAV SportSolar, Solkav ClassicSolar-Anlage
Auxiliary energy	none
Energy savings	~ 200.000 kWh oil per year
CO₂-savings	~ 13 t CO ₂ per Year
Investment costs (netto)	140.000 EUR (including planning and installation by Solkav GmbH)
System costs (netto)	160 EUR/m ² absorber surface area (material costs without assembly and installation)
Running costs savings	~ 18.000 per year (oil)



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SOLPOOL – Solar energy use in outdoor swimming pools.
A cooperation project of DGS and TIZ, Germany;
APE, Slovenia; CRES, Greece; Save-Rema, Hungary;
CZREA, Czech Republic; ALE, France and LECCE, Italy. SOLPOOL is
funded by the European Commission within the ALTENER programme.

Intelligent Energy Europe

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