



Outdoor Pool Grünhöfe

SOLPOOL D04



The outdoor swimming pool Grünhöfe was opened on 01.07.1961. In the seventies, a system to heat the pool water was installed. Since the year 2006, the outdoor pool Grünhöfe has been deeply renovated. In 2007, it was decided to replace the old heating system with a solar one. The 820 m² of absorber area were installed on the roof of the single available building in place. The absorber system reached a temperature of 26°C during the first year of operation, i.e. 2008; at such high temperatures the solar heating system is automatically switched off. The minimum temperature reached during the same period was 20°C. The results from the first year of operation fulfilled all the expectations.

Installation

SOLARSYS Schaumburg
In der Ecke 1
031712 Niedernwöhren
solarsys-schaumburg@arcor.de
www.solarsys.de

Planning

Ingenieurbüro Wolff + Partner GmbH
Haferwende 18
28357 Bremen

Operator and pool

Bädergesellschaft Bremerhaven mbH
Zur Hexenbrücke 11
27570 Bremerhaven

Swimming Pool and Solar System

Year of installation	2008
Pool surface area and volume	For swimming 1.165 m ² , 2350 m ³ For other purposes 968 m ² , 900 m ³
Absorber area	820 m ²
Absorber type	Absorber mat
Specific yield	127 kWh/(m ² -a) year 2008
Energy savings	455.767 kWh
CO₂-Savings	36 t CO ₂ per year
Investment costs	46.500 EUR
System costs	57 EUR/m ² absorber surface area
Operation cost savings	23.000 EUR pro Jahr



Deutsche Gesellschaft für
Sonnenergie DGS e.V.
Emmy-Noether-Str. 2
80992 München
Tel: +49 163-7707224



www.solpool.info
solpool@dgs.de

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Intelligent Energy Europe

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