

CASE STUDY: PUBLIC REGIONAL SWIMMING POOL

An indoor, public regional swimming pool in Kibbutz, Israel with a surface area of 3,444 square feet. The pool is active year-round with a set temperature of 82.4 degrees Fahrenheit.

UMA Solar manufactures and distributes the industry's highest-performing solar products for commercial and residential applications. Founded in 1977, UMA Solar promotes sustainability in energy and business.



Industry: Public Facility

Project Type: Solar Pool Heating

Challenge:

UMA Solar was asked to reduce pool heating gas bills, to limit the facility's dependence upon fossil fuels and to reduce yearly CO₂ output.

Solution:

UMA Solar designed a solar solution that would heat the swimming pool while reducing both gas bills and harmful emissions. In June 2004, UMA Solar installed 3,229 square feet of Heliocol solar panels flat on the ground adjacent to the facility.



QUICK VIEW

Pool Surface Area	3,444 Sq Ft
Pool Volume	132,086 Gallons
Installed System Size	3,229 Sq Ft of Heliocol Solar Panels

Direct Outcomes

After Heliocol Panel Installation

Yearly Gas Savings:	27.5 Tons
Yearly CO ₂ Reduction:	>52 Tons

Return of Investment	1.6 Years
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Results:

The installation of a Heliocol solar pool heating system resulted in an annual savings of 27.5 tons of liquified petroleum gas, a return of investment in 1.6 years and reduced yearly CO₂ by 52 tons.