

TIGI completes installation of an industrial solar heat system in Israel

The system provides heated water for a commercial laundry



Petah Tikva, Israel April 2, 2014: TIGI, the Honeycomb Collector company, today announced it has completed the installation of a commercial solar hot water system in Israel.

The system - a 40 m² collector array - is installed in Kibbutz Urim, and provides heat for a commercial laundry. Each day the laundry uses 5 m³ of water at 80 °C. In sunny summer days the system is designed to supply 100% of the energy needs of the laundry. If needed, additional energy is provided by an on-line gas heater.

The first few days of operation show very good performance. In some of the days (in March) the water temperature in the tank reached above 90 °C (!).

The system's economic analysis showed a very short return on investment (ROI) of approximately 4 years after which the savings in gas has paid the full cost of the system. The expected life term of the system is approx. 20 years. There is no subsidy in Israel for solar thermal installations.

Mr. Dov Peleg, the project manager of Kibbutz Urim said “Kibbutz Urim has tremendous experience dealing with heat energy. We explored the market for a long time looking for a green and robust solution that can supply hot water at industrial temperatures. We found that the Honeycomb Collector meets our specifications and found TIGI as the right partner



for providing the full solution. Since completion of the installation we find that the system exceeds our expectations. Our savings are significant!.”

Zvika Klier, TIGI’s CEO, said “We are very proud and enthusiastic about the completion of this commercial installation in Israel. The profile of systems we install is growing to become significant for our customers and I believe this installation is a major milestone in our company’s evolution. Additional, larger installations are in the pipeline.

We are confident that our system’s high performance will lead to significant savings and quick Return of Investment for the customer.”

Moshe Ben-Yishai, TIGI’s VP of Sales, said “The transparent insulation enabled collector design is ideal for industrial and commercial applications where the target temperature range is 70-100 °C. The system also implements our patent-pending collector-level overheating protection as well as the sealed case design which will keep the Negev dust outside of the collector – ensuring long life of the system.”

About Kibbutz Urim

Urim is a kibbutz in the Negev desert in southern Israel. Located near the border of the Gaza Strip and about 30 kilometers west of Beersheba. Urim is a secular agricultural kibbutz with app. 450 people. Urim is also home for the "Noam Urim" factory that manufactures materials for filtering, insulation, geotextiles for soil insulation and more.

About TIGI

TIGI developed the world’s most efficient solar/thermal collector and the first to provide a commercially viable solution for cold and temperate climates based on transparent insulation honeycomb technology. TIGI’s Honeycomb Collector can produce year-round heat energy at lower costs than any other known alternatives, including electricity and fossil fuels in domestic, commercial and industrial applications.

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