

Case Study: Ikea Orlando



In October of 2007 Ikea began building their Orlando store to include 309,000 sq ft of home furnishings, including restaurant and catering. Ikea Orlando was designed to be green from the ground up and to earn LEED Certification. To reduce their energy bills on the restaurant, they installed a solar thermal system (heating hot water) on their building. This earned them valuable LEED points and reduced their natural gas consumption. Solar thermal technology would be used to help heat the water to cook food and clean dishes. This highly efficient technology offset Ikea's normal natural gas usage saving them a great deal in energy costs. In total, it offsets their consumption of therms by 20,160 per year and produces 15,000 liters per day.

The panels are manufactured by Alternate Energy Technologies in Jacksonville, FL. AET is the largest manufacturer of solar thermal collectors in the country and takes pride in the one of a kind panels they produce. The Thermafin™ fintubes which heat the water in the collectors are the most efficient product on the market, and are backed with a 30 year guarantee.

This solar water heating system was installed by The LeverEdge, who prides themselves in being a front runner in the development and supply of solar and energy saving products which promote all of the benefits of environmental preservation. They currently have offices in Odessa, Hollywood, and Sanford to meet the ever growing solar demand.

