



## Pandora PPT2 Lamphun, Thailand



LEED Gold

building type	Industrial campus
client	Pandora Production Co., Ltd.
architect	OIA Co., Ltd.
our services	<ul style="list-style-type: none"> <li>• Energy concept</li> <li>• Building Simulation</li> <li>• Building Physics</li> <li>• Commissioning Management</li> <li>• LEED consulting</li> </ul>
project data	18,800 m <sup>2</sup> factory; 8,700 m <sup>2</sup> offices; approx. 1,0 bil. THB
project duration	04 / 2015 – 10 / 2016

### LEED Gold certified Green Factory

One of the world's largest producers of fine jewelry, PANDORA, with its headquarters situated in Denmark and existing production facilities in Samut Prakarn (Thailand), has built a modern, one-of-a-kind factory in Lamphun (northern Thailand).

The energy concept of the project focuses on reducing the cooling load by applying external shading and thermal insulation. An innovative fresh air ventilation system with energy recovery supplies fresh air to the more than 3500 workers. LED lighting provides sufficient and glare free light to the work places. A 1 MW<sub>p</sub> photovoltaic system covers a part of the energy demand of the building, so that the factory consumes 18 % less electricity than a conventional factory. With careful selection of indoor water fixtures and a specially-designed water management system, this facility can reduce water consumption by 45%. Around 30 % of the facility's construction materials are made of recycled content and 75% of the project's construction waste was diverted to recycling facilities.

For its innovative sustainable design, the Pandora factory was awarded with a LEED Gold certification.