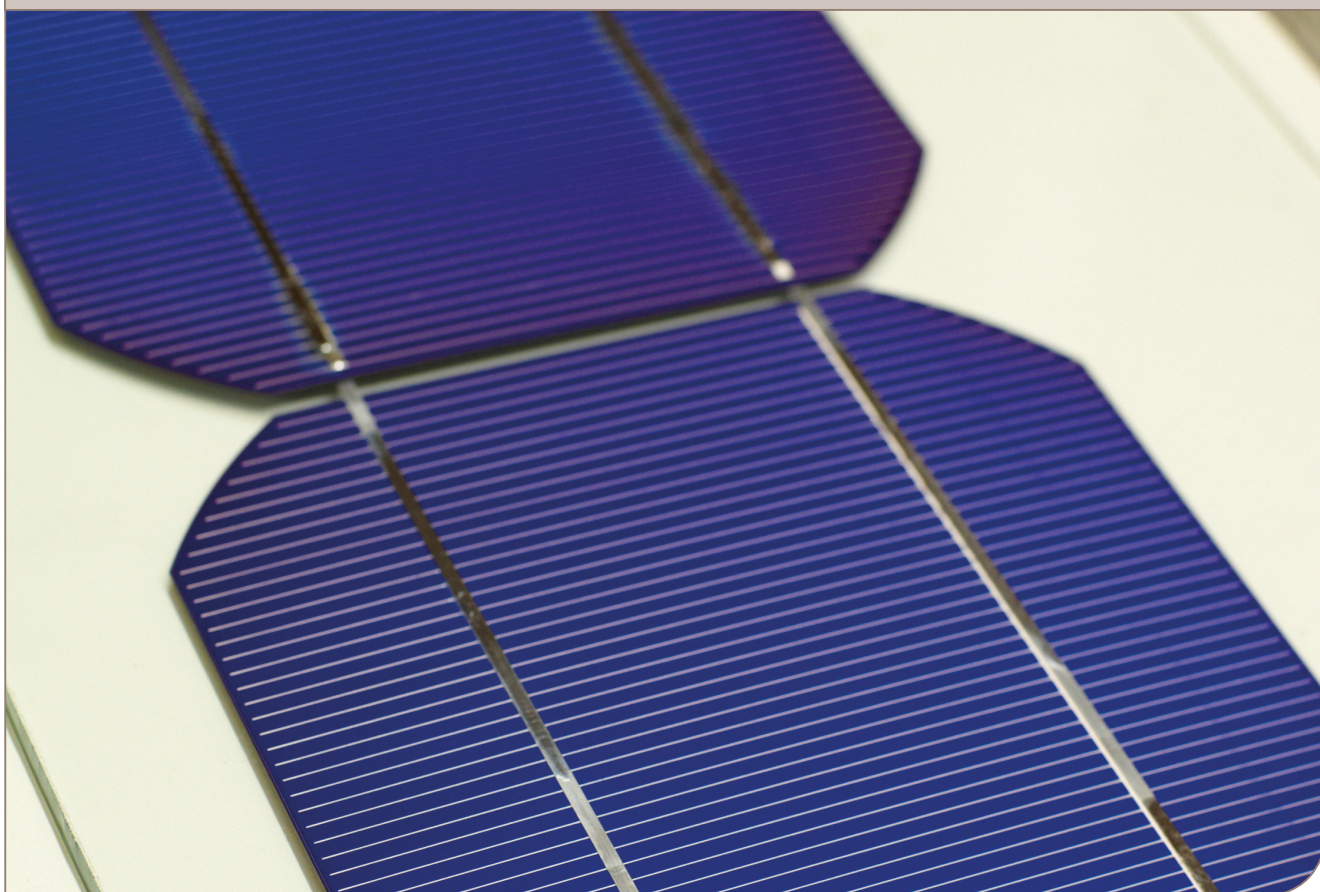




## Solar heating

A clean and renewable heating alternative



Solar energy is seen as an increasingly viable alternative to energy generated using fossil fuels. New technologies are constantly being developed, and the expectation is that solar energy will make a significant contribution to the world energy supply. Solar heating is used as a source of clean, renewable energy to heat swimming pools and produce hot water for residential spaces and public buildings. Solar energy can also produce electricity.



## Proficiency to harvest solar heating

Alfa Laval's heat exchanger plates feature the high heat-transfer efficiency needed to extract the power of solar energy. In addition, Alfa Laval heat exchangers can keep the solar heating system glycol separate from a district heating system.

## The world's largest solar district heating system

When the residents of Ærø Island in Denmark sought to become 80% to 100% self-sufficient in terms of electricity and heating by 2008 – using only renewable resources – they turned to Alfa Laval. Marstal Fjernvarme (Marstal District Heating) has installed Alfa Laval gasketed plate-and-frame heat exchangers to transform the solar energy from the solar panels into heating that can be distributed through the district heating network to the end users in the town of Marstal.

## Hot tap water fit for Olympians

Alfa Laval delivered gasketed plate-and-frame heat exchangers and air coolers to the solar-heated tap water system in the Beijing Olympic Village. The solar heating system had sufficient capacity to provide hot water to all athletes and facilities, day and night. The Alfa Laval heat exchangers guaranteed a constant water temperature, even at times of peak consumption.

*“Using solar energy is a lot more eco-friendly and also more cost-efficient. We have worked with Alfa Laval since 1995, so there was never any question about choosing them as heat exchanger supplier when we upgraded the [solar district heating] plant in 2003. We have run the new equipment for four seasons without any trouble.”*

Leo Holm, plant manager, Marstal Fjernvarme  
(Marstal District Heating).

*“Alfa Laval has been one of our suppliers for more than a decade, providing products for our domestic home boilers. Their products are of a high quality, their service is excellent and their people are very flexible.”*

Wang Lei, Elco Far East project director for the MTS Group, exclusive supplier of the solar-powered water-heating system for the Beijing Olympic Village.

Alfa Laval reserves the right to change specifications without prior notification.

### How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at [www.alfalaval.com](http://www.alfalaval.com).