



Savosolar Nursing home Onnelanpolku Lahti, Finland

The nursing home *Onnelanpolku*, which was built in 2013 represents so called *near zero energy building concept*. To achieve this status, the building needs to be well insulated and some of the consumed energy needs to be produced locally. Hybrid heating system for DHW and space heating was realized with combination of solar thermal collectors and district heating.

Savosolar delivered 120 pcs of 2 m² collectors, which are used to cover 20% - 30% of total energy need of the building. The collectors were pre-assembled in Savosolar factory in large area modules consisting of 4 collectors, which enabled fast and cost-effective installation.



Location	Lahti, Finland
Purpose	Nursing home
Floor area	16 762 m ²
Collector model	Savosolar 2 m ²
Collector area	240 m ²
Peak power	215 kW
Estimated annual production	120 MWh
Water storage	3 x 3000 l
Other energy sources	District heating, PV
Installation year	2013

