

Case Study: KINNAREDSSÅGEN AB



Kinnaredssågen AB - Kinnared, Sweden

Load Management Requirement:

11 loads including: drying kilns, irrigation pumps
edging machinery

Powerit Solution Provided:

Average Peak Demand Reduction: **194kW**

Kinnaredssågen AB Decrease in Demand: **15%**

Kinnaredssågen AB ROI: **18 months**


Lumber Facility Peak Demand Savings: **10-40%**

Powerit Solution Installed:

Energy Director, 2003

Kinnaredssågen AB - Kinnared, Sweden is a softwood lumber mill specializing in pine wood products. They kiln-dry all of their wood and also varnish about 50 percent before shipping. The maximum power demand was roughly 1269 kW before installation.

Since commissioning the system in 2003, Kinnaredssågen has had no disturbances in production, and experienced increased efficiency with precise monitoring and alarm capabilities. Kinnaredssågen AB is now operating its plant at a power demand level of 1075 kW, a savings of 15 percent. The payback period was less than 18 months and the savings are in the high range of expected results.



Rigorous chemical and mechanical systems make lumber facilities incredibly energy intensive. The Energy Director system controls loads such as drying kilns, by-product waste handling, chip board and wood pellet operations, and paper fiber bleaching and chemical treatment. Customers also use the system to monitor and archive temperature and humidity of its production batches. Over 40 lumber facilities use the Energy Director to control power-intensive process loads. Overall peak demand savings range from 15 – 40 percent, resulting in 10 – 15 percent reductions in total energy bills and a payback period of less than two years.