

LUMBER FACILITIES

Regardless of the industry, companies everywhere are facing escalating energy costs. As utilities struggle to meet needs, they try to manage peak demand by regulating power through real-time meters and peak demand surcharges. This billing approach often generates enormous additional costs, and energy customers are unable to compensate.

The Energy Director™ from Powerit Solutions is ideal for industrial and commercial facilities with large power loads that, to varying degrees, are suspendable or can operate for designated intervals at reduced output. Facilities that use the Energy Director realize significant cost savings because of better peak demand management and seamless coordination of major energy loads, without any compromise to production or building comfort.

Kinnaredssågen AB - Kinnared, Sweden

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.

Kinnaredssågen AB 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 Energy Director interacts with 11 loads, including drying kilns, irrigation pumps and edging machinery. 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.

POWERIT SOLUTIONS

Headquartered in Seattle, Washington, Powerit Solutions offers the Energy Director line of energy management systems. Developed in 1994 in Sweden, the Energy Director is successfully installed and operating in over 500 facilities worldwide.

Powerit Solutions is committed to helping customers in a wide variety of industries maximize their energy efficiency, reduce their power demand and realize significant energy cost savings without compromising production, safety or building comfort.

For More Information

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