

Belwooddoors reduces electricity use by 17% by optimizing processes

Intellektualny Energomonitoring harnessed Centrica Business Solutions' Panoramic Power™ wireless sensors and PowerRadar™ to help Belwooddoors improve operational efficiency



Belwooddoors is a leading manufacturer of interior doors in Belarus for more than 20 years exporting its products to 21 countries worldwide. Production at its two manufacturing facilities include processing of wood materials through to the wrapping and painting of moldings. Presently, Belwooddoors are producing 1,000 door units daily.

Due to the energy-intensity in manufacturing doors including auxiliary equipment, such as compressor units and air purification systems, Belwooddoors consumes more than 300,000 kWh per month across its production sites. Belwooddoors' chief engineer was tasked to increase production output while at the same time reduce cost.

With more than 1,000 TCE (tons of coal equivalent) consumed annually, of which 37% is electricity, Belwooddoors identified its need for a cost effective solution that enables visibility of electricity consumption across its sites and operating equipment, benchmarking of electricity consumption per unit of production output, as well as enterprise-level management and control of available energy resources. Belwooddoors engaged with Intellektualny Energomonitoring Ltd., the exclusive reseller of Panoramic Power™ in Belarus, to explore solutions to address its needs.

60%

energy reduction by
adjusting scheduling
of drying plant

255

METRIC TONS

reduction in
CO₂ emissions

360,000

KWH

reduction in annual
electricity consumption

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In addition to all the information we received from the drying chambers, we began to receive a lot of accurate data on energy consumption for drying in real time. This allowed us to start experimenting with the modes of operation, loading, and settings of various equipment.”

Gertsik Sergey Nikolaevich, Chief Engineer, Belwooddoors