

Leading denim manufacturer implements solution in 12 days monitoring 9.6MWe of power

Centrica Business Solutions was chosen by Europe's largest denim manufacturer to implement an energy monitoring system at its two Italian facilities.



Quick and efficient compliance with the law

Candiani needed a quick and non-invasive way to monitor the energy consumption at its production plants to comply with Italian Legislative Decree 102/14.

Wireless sensors, complete control

Candiani's two facilities in the Metropolitan City of Milan employ around 650 workers and produce approximately 25 million metres of denim fabric per year.

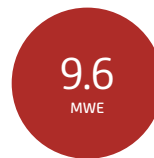
The plants were subjected to energy audits in 2015. In December 2017, in order to comply with Italian Legislative Decree 102/14, Candiani decided to implement Centrica Business Solutions' Panoramic Power solution, installing 230 wireless sensors and 25 grid bridges, harnessing the power and flexibility of PowerRadar software to monitor consumption in real time.

The solution was implemented in just 12 days, monitoring a total of 9.6 MWe of power.

Results

The system enabled Candiani to comfortably surpass the minimum coverage percentages outlined in ENEA (Italian national agency for new technologies, energy and sustainable economic development) guidelines on monitoring systems for industrial sites — it ensured 100% of consumption related to general operations and auxiliary services was covered, with 145 measurements in the first facility and 53 in the second.

The solution enables the energy carriers at both production sites to be monitored, reported and understood from a single platform, controlling consumption in real time and better managing energy to establish saving strategies.



Power
monitored



Total consumption
coverage



To complete
the project

Why Centrica Business Solutions?

- The Panoramic Power solution is minimally invasive, quick to implement and very efficient in controlling energy consumption.
- The Panoramic Power sensors are wireless, self-powered, compact, easy to install and require no maintenance.
- The PowerRadar software can be used via a browser or smartphone, enabling you to run automatic reports, monitor KPIs and set up alerts.

PowerRadar will also prove useful during the next energy audit in 2019 — with just one click, it can automatically generate draft energy audits in a format that complies with Italian Legislative Decree 102/14.