

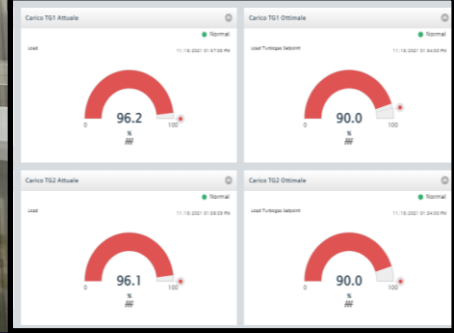
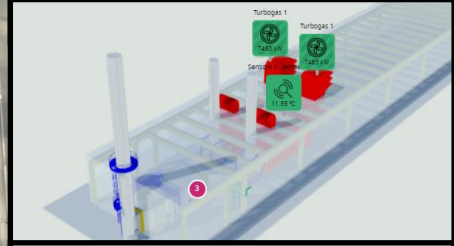
DEOP for the Energy Optimization of the biggest pasta producing factory in the world



Barilla, Pedrignano factory (Italy)

[siemens.com/deop](https://www.siemens.com/deop)

SIEMENS



“DEOP technology enables the energy optimization of the entire production plant allowing Barilla to save costs and CO₂”

Angelo Patander – Group Supply Chain Technical Development Automation, Building & Utilities Center of Expertise of *Barilla*

>8 EUR million
Energy cost savings yearly

>15.000
Tons of CO₂ emissions saved yearly

15 MW CCHP Optimization
KPI tracking of generation, CO₂ footprint and economics cost minimization

Digital Twin / DEOP live system Barilla, Italy

Challenges

- Establishing a high-performance plant to reduce costs as well as CO₂ emissions at the same time
- Value proven by data before go-life of the solution rather than promises without a prove
- Real-time reporting and monitoring of KPIs
- Staying on track of deviations and possible failures

Benefits

- Costs and CO₂ reduction while keeping performance of the plant on the same level
- Single source of truth for energy performance data – digital twin approach demonstration included
- Data available in real-time; defined KPIs can be tracked any time
- Alarms and notifications in case of deviations from normal operation

Solution

DEOP acts as a single source of truth delivering real-time data to Barilla and the EPC responsible for the power plant

- Optimized operation for the sake of increased sustainability at same production rate
- Gained transparency in an easy-to-use application with standard and/or customizable dashboards
- Performance monitoring and standardized reporting save time and effort
- Real-time alarms and anomaly detection



“Our factory in Pedrignano is the biggest pasta producing factory in the world, thanks to Siemens technology and the potential offered by DEOP, we are monitoring and optimizing the energy flows towards a future proof and sustainable production plant“

Angelo Patander

Group Supply Chain Technical Development Automation,
Building & Utilities Center of Expertise of *Barilla*