

Pittarc, beanTech & Siemens Industrial Edge: Real-Time Quality in Action

Real-time data for more stable processes in welding wire manufacturing

Location: Osoppo (UD), Italy

Highlights:

- **Customer-governed Edge**
 - + **Cloud:** seamless integration with existing systems and continuous, step-by-step growth
- **Real-time signals & configurable KPIs:** from data to action, exactly when needed
- **Measurable impact:** critical defect rate reduced from **64% to 3%**

Pittarc S.p.A

Pittarc is the brand of the Pittini Group specialized, for over forty years, in the production and marketing of welding wires for gas-shielded and submerged arc welding. Integration with the Group's companies enables a fully controlled production cycle, from the steel mill to the finished product, and the use of state-of-the-art technologies and plants. This guarantees high quality standards, even for the most demanding applications. Pittarc offers a complete product range and a market-proximity approach supported by a dedicated sales network.

Solution/Portfolio

Together with beanTech, an open **edge + cloud architecture** was designed and built, fully governed by Pittarc.

Clear dashboards for operators, meaningful indicators for decision-makers.

Configurable alarm rules and timely notifications.

Integration with existing lines and systems, with step-by-step scalability.

Siemens technologies support the solution, bridging the physical and digital worlds with industrial reliability and enabling future growth.

Benefits

Faster, more timely decisions (from data to action, within the same shift)

Greater process stability and more predictable production times

Full autonomy over dashboards, KPIs, and alarms (reduced dependency on IT)

Scalability: from a single line to a multi-plant roadmap

Today:

The method has been extended where it adds the most value (lines / plants)

Key KPIs are active with real-time monitoring

Teams work with greater confidence, anticipating issues and acting earlier

"The results were visible immediately, even earlier than expected."

Andrea Bertolozzi, Senior Process Engineer — Pittarc



SIEMENS