



The Challenge

PiSA's 17 specialty production lines combined modern IoT systems with legacy machinery, each recording data according to **its own criteria and protocols**.

With **no authoritative version of any figure**, real-time decisions relied on inconsistent data, directly affecting product quality. Responses to production anomalies arrived late, while teams manually reconciled sources in a regulated market.

SUCCESS STORY

Single Source of Truth for Pharma Manufacturing

With support from the integrator EISOT, PiSA deployed an edge computing architecture across its production lines, consolidating data from every machine into **a single authoritative repository** hosted within its own facilities.

Each node **acquires, normalizes, and pre-filters** its lines' data locally through OPC UA, then writes the same validated stream to the repository. Production, quality, and management teams therefore see the same figures. Barbara's Platform runs the nodes within an IEC 62443-4-2-compliant architecture designed to adhere to GxP.

Key Results



One Authoritative Record. Production, quality control, and management use the same validated data, eliminating reporting errors.



Compliance Evidence on Demand. A reliable regulatory audit trail replaces the manual collection of evidence system by system.



Issues Caught as They Happen. Local anomaly detection allows teams to address production issues in real time.