



AGRI-FOOD SECTOR

Automation and real-time visibility for Concentrados Coto Brus with atvise® SCADA developed by Controlsoft

Concentrados Coto Brus gained real-time visibility into production and inventory, remote access, and data-driven reporting, thanks to an atvise® SCADA layer built by Controlsoft.

CLIENT:



PARTNER:  controlsoft

Project

Concentrados Coto Brus, a Costa Rican producer of concentrated animal feed, was running its entire operation on manual processes, with data capture, production tracking, and inventory control depending on human effort at every step and no automation in place anywhere across the facility. Without real-time data, information about production status or inventory levels arrived too late to act on, and by the time an issue surfaced through manual reporting channels, the window for a timely correction had often already closed. Facing competitive pressure from more efficient industry peers, the company concluded that investing in automation was no longer optional.

Solution

Controlsoft designed and implemented an end-to-end automation system for Concentrados Coto Brus, built on atvise® at the supervisory level. atvise® connects to the PLCs and controllers installed throughout the facility, consolidating data into a single, centralized supervision layer with real-time dashboards, reports, and remote access.



Client & Partner

The customer is Concentrados Coto Brus, a Costa Rican producer of concentrated animal feed. Controlsoft, the Costa Rica-based system integrator responsible for the project, specializes in industrial automation platforms and software solutions, with expertise spanning the full technology stack: field instruments and hardware, PLCs and control systems, and supervisory software. That breadth meant Concentrados Coto Brus could rely on a single provider for the entire integration, hardware selection, field instrumentation, PLC programming, network infrastructure, and the supervisory software layer, rather than coordinating multiple vendors across different project layers. For a company with no prior automation experience, having one accountable partner for the full scope reduced complexity and risk considerably.



Objectives



Replace fully manual data capture, production tracking, and inventory control with an automated system.



Shorten the time between an issue occurring on the floor and awareness at the management level.



Gain real-time visibility into production status and inventory levels.



Enable data-driven decisions and a faster response when conditions change.

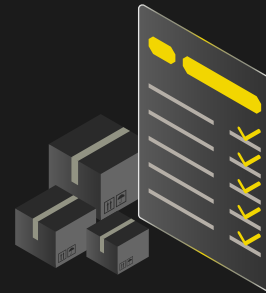
Challenges

- ❗ No automation of any kind in place anywhere across the facility prior to the project.
- ❗ Data capture, production tracking, and inventory control fully dependent on manual effort.
- ❗ Delayed information meant the window for a timely correction had often already closed by the time an issue was reported.
- ❗ Competitive pressure from industry peers already operating at higher efficiency levels.

Results & Benefits



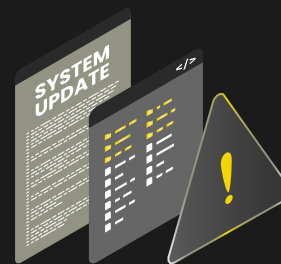
Remote access to production information: management can monitor operations from any location, regardless of where they are.



Inventory and stock level control: accurate, up-to-date data replaced guesswork and manual counts.

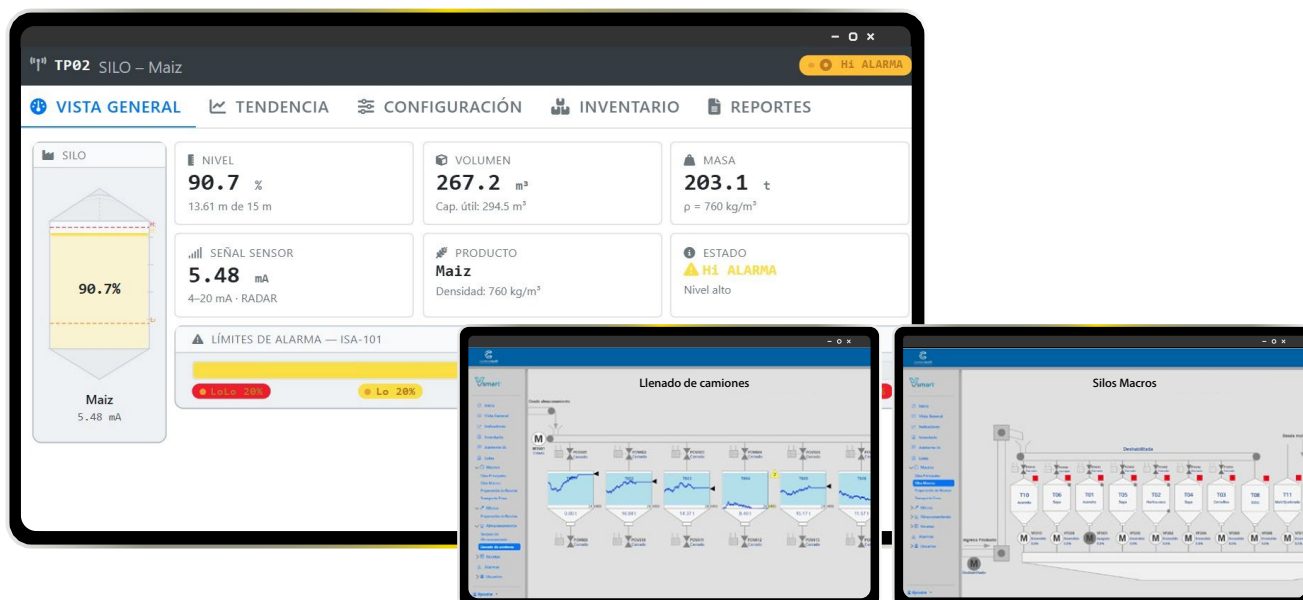


Data-driven decision-making: dashboards and reports turn raw operational data into actionable insight, for the first time in the company's history.



Faster access to operating information: the team can identify issues and act on them immediately, instead of waiting for manual reports to surface.

Personnel adoption remains a challenge the company continues to work through: transitioning a workforce accustomed to manual routines to a technology-driven environment takes time, and Concentrados Coto Brus is actively managing that change process. Overall, the project marks a turning point for the company, moving from operating largely in the dark to having a clear, real-time picture of what is happening across its facilities.



Background

Technical support during the execution phase was particularly relevant to the outcome. Direct assistance from Vester to the Controlsoft team helped resolve technical questions as they arose during implementation, reducing the risk of delays. For a project of this scope, bringing a fully manual operation into a modern automated environment, having the software vendor actively engaged throughout implementation was a practical advantage that contributed to a smoother delivery.

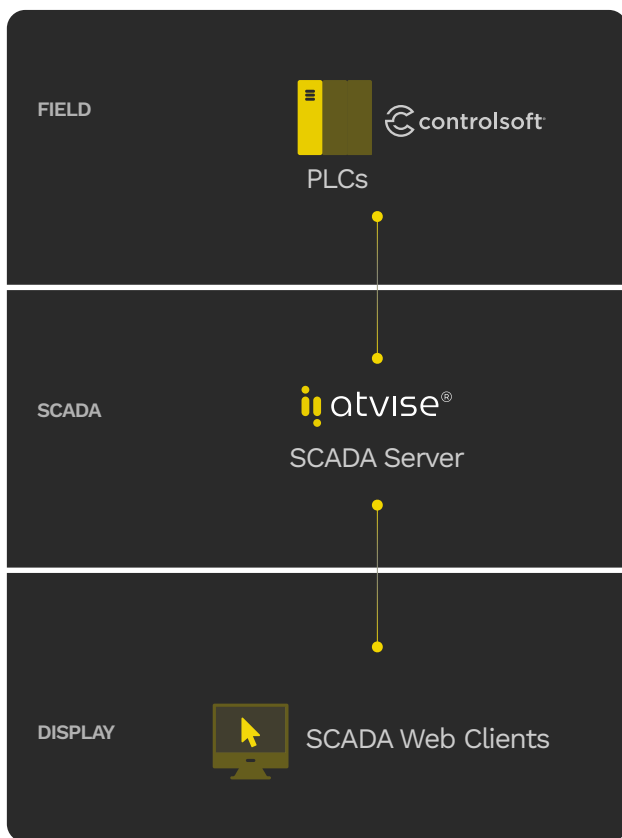
“Moving from zero automation to a fully connected operation changes how a company thinks and reacts. For Concentrados Coto Brus, this was not just a technology upgrade: it was a fundamental change in how they run their business, and atvise® gave us the platform to make that visible in real time”

— César Barquero, CEO, Controlsoft

The Solution

Controlsoft built the supervisory layer of the project on atvise®, the SCADA platform developed by Vester. atvise® connects to the PLCs and controllers installed throughout the facility, consolidating data from across the site into a single, centralized supervision layer. The platform delivers real-time dashboards and reports, giving operators and management a live view of production status, inventory levels, and overall operational performance, with remote access extending that visibility beyond the facility itself.

The result replaced fragmented manual data collection with a continuous, structured flow of operational information, available in real time to the people who need it.



At Level 1, the PLCs installed across the facility handle direct process control. At Level 2, the atvise® SCADA server communicates with these PLCs, consolidating their data into a centralized supervision layer. Web atvise® clients access this layer via web services, through a standard web browser, from any point on the network.

Features Used

- atvise® Real-time silos monitoring
- atvise® Real-time and historical trending
- atvise® Inventory management
- atvise® Automated PDF reporting



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