



FOOD & BEVERAGE – CONSUMER GOODS

Unification and Modernization of Industrial Monitoring in an Oil Plant

DINANT consolidates supervision of oil refining and fractionation in a single web-native SCADA platform with atvise®

CUSTOMER:



PARTNER:



Executive Summary

DINANT, a leading Central American company in consumer goods, faced an obsolete, fragmented, and unsupported supervisory system. Aiming to modernize and unify its industrial monitoring, it trusted **EES Corporation** system integrator and **atvise® SCADA**. The solution was completed in **4 months** in continuous production without stopping the plant, delivering:

- ii Unification of two production lines in a single graphical and operational environment.
- ii Secure remote access from any device, with no client installation.
- ii Unlimited tags, historization and alarms, with no hidden costs.
- ii Custom recipes via scripting and ISA 101.01 standards.
- ii Reduced operational uncertainty and maintenance costs.

Integrator



EES Corporation has extensive experience in industrial solutions: energy and compressed air flow measurement, water monitoring, coffee production, fiber-cement, and textile industry monitoring. Their expertise in connectivity with Siemens PLCs and their practical approach were key to the success of the migration in a demanding production environment.



The Challenge

DINANT's plant, controlled by Siemens PLCs, was operated by an obsolete SCADA that presented:



Lack of support: no updates or technical assistance.



Low reliability: slow startup, instability, and no remote access.



Fragmentation: each production line had its own system, hindering overall visibility.



Blocked new functionalities: impossible to implement recipes or advanced adjustments.



No standards: interfaces did not follow visualization norms.

The migration had to be performed **without stopping production**, where any unplanned shutdown directly impacts costs.

The Solution: How atvise® Made the Difference

DINANT and EES chose atvise® SCADA for its **pure web technology, transparent licensing, and unmatched customization capability.**

Key Decisions:

Pure Web Technology



Access from any device with a browser, no client installation. The same interface in the control center, on the plant floor, tablets, or mobiles.

Licensing Without Barriers



Unlimited tags and historization included as standard. No hidden costs for alarms, recipes, or scripting.

Total Unification



The two lines were integrated into a single SCADA system with a unified database, centralized alarms and consistent operation.

Recipes and Customization via Scripting



Tailor-made recipes developed with atvise® scripting, adapting Siemens PLC variables to actual production needs.

Visual Standardization

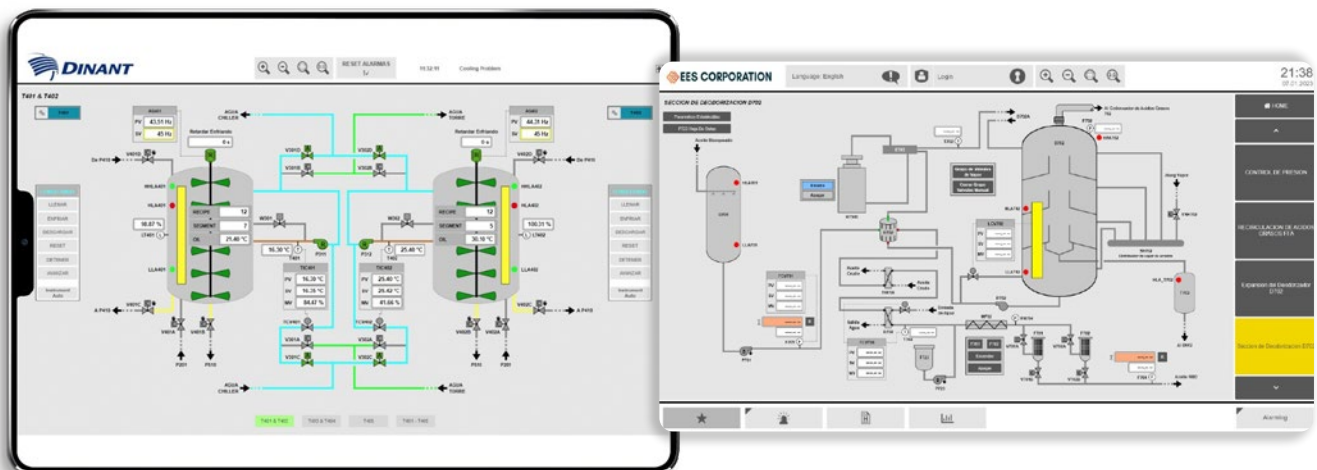


Application of ISA 101.01 to improve operator efficiency and shorten the learning curve.

Secure Remote Access and Continuous Operation



Migration completed in **4 months** with the plant running, minimizing downtime. The system starts automatically and its configuration is user-friendly.



“Initially we were concerned about the difficulty due to the short timeframe and the fact that we could not stop production, but in the end the implementation was agile and exceeded our expectations”

— Maintenance Engineer, DINANT

Results: Quantitative and Qualitative Benefits

Short-term:

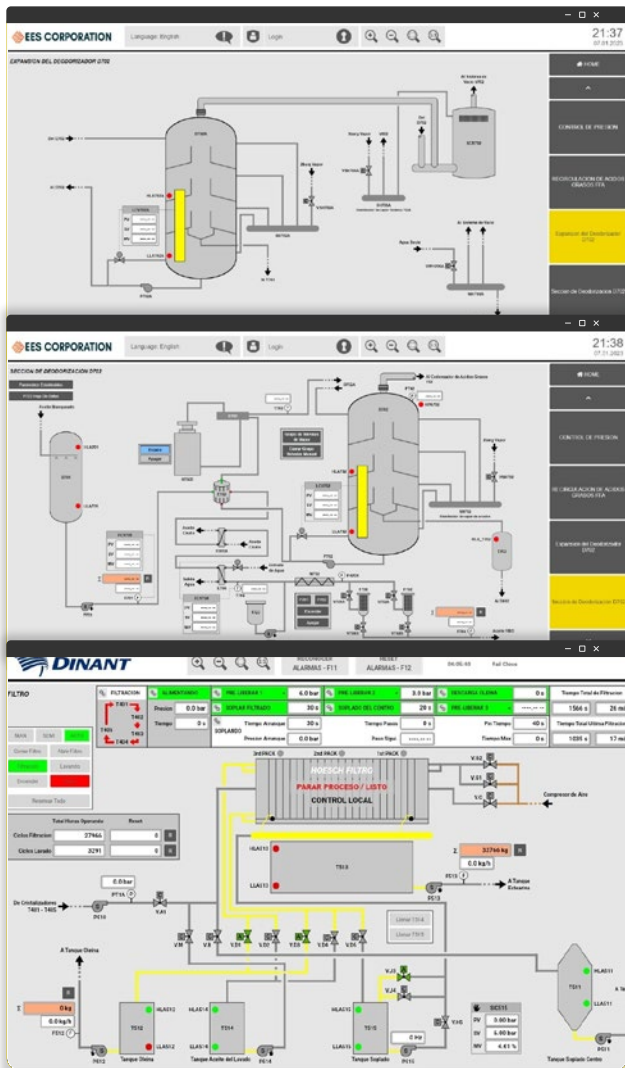
- ii Reduced interdependence between lines.
- ii Higher SCADA efficiency by applying ISA 101.01.
- ii Less operational uncertainty.
- ii Flexible access (onsite and remote).
- ii Decreased operational risks.

Long-term:

- ii Reduced operational costs by centralizing supervision.
- ii Remote diagnostics that cut response times .
- ii Fewer unplanned stoppages thanks to effective alarms and historical traceability.
- ii Scalable platform based on open standards, ready for future integrations.

Conclusion

The adoption of atvise® SCADA transformed an obsolete and fragmented environment into a modern, unified, and future-ready platform. Web-native technology, transparent licensing, and full customization have given DINANT a solid foundation to optimize its operations, reduce maintenance costs, and face future integrations with corporate systems.



atvise[®] SCADA

SCADA SOFTWARE FOR INDUSTRY 4.0

The first HMI SCADA software built on Industry 4.0 fundamental basis: Pure Web Technology and OPC UA.

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Technology



Responsive
Design



OPC UA at
the Core



Multiplatform



Automatic
Reporting



Built-In Data
Analytics



Dashboards,
KPIs and AI



All SCADA
Features Included



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