PLANTFORMANCE CASE STUDY · SECURITY AND INFRASTRUCTURE

Closing Ignition Vision security gaps across 3000+ Saint-Gobain apps

Saint-Gobain · Multiple industries

A penetration test exposed risks in the client-side authorization model of the legacy Vision module. Plantformance reviewed 3000+ applications, mitigated the attack chain, and added real-time monitoring, so Saint-Gobain could keep Vision running safely.

3000+

factory applications reviewed

THE PROBLEM

A penetration test at Saint-Gobain revealed risks built into the client-side authorization model of the legacy Inductive Automation Vision module. The client asked for the risks to be closed or mitigated. Removing Vision was not an option, because thousands of production applications depend on it. Changing Vision's architecture was not an option either, since nobody can. The fix had to work around the module without breaking anything on the factory floor.

HOW WE DID IT

Plantformance ran a thorough review of the 3000+ applications running on the factory floor. Using targeted changes, the team implemented mitigations that remove the possibility of chaining the vulnerabilities together. Plantformance also built a real-time monitoring system that keeps watching for any deviation going forward. That monitoring is now part of FactoryBrain services for all Plantformance clients, not just Saint-Gobain. The work closed the risk the pentest found while every existing Vision application kept running as before.

BEFORE

By chaining several vulnerabilities together with privileged access and special client devices, it was possible to get a basic authenticated Ignition session through Vision.

AFTER

The risk is mitigated and Vision can stay in operation for years to come.

RESULTS

- 3000+ factory-floor applications reviewed
- Vulnerability chaining risk mitigated
- Real-time monitoring detects future deviations, now standard in FactoryBrain services
- Vision stays in use, protecting the return on every application already built

Plantformance products and services: FactoryBrain, Professional Services

PLANT FORMANCE

NEXT STEP

Planning a project like this?

Talk to an Ignition engineer about your sites, timeline and architecture. We will tell you honestly what it takes.

Contact Plantformance

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Plantformance is an Inductive Automation Alliance Partner that helps enterprises deploy, secure, and scale Ignition across sites through plug-and-play modules, turnkey zero-maintenance HMI hardware, and 24/7 managed infrastructure.

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