PLANTFORMANCE CASE STUDY · IGNITION MODULES

From fragile scripts to 16 Ignition modules: the Plantformance product line

Plantformance · Cross-industry

Scripting to extend Ignition stopped scaling. Plantformance moved to building its own modules, launched 5 commercial Ignition modules with 6 more in the pipeline, and had developed 16 modules internally by the end of 2026.

16
Ignition modules developed internally

5
commercial Ignition modules

6
more modules in the pipeline

THE PROBLEM

Standard Inductive Automation Ignition deployments had real gaps in functionality, diagnostics, security, and peripheral integration. Closing them meant heavy custom scripting or costly third-party tools. For a team running many gateways for many clients, neither option scales. Scripts multiply, each one needs care, and the limits of Jython keep coming back. Every new client and every new feature made the problem bigger.

HOW WE DID IT

Plantformance started building its own Ignition modules, first to manage servers and then to deliver functionality. It added module development on behalf of clients. Then it launched a dedicated product line of 5 commercial Ignition modules: Gateway Analyzer, Security Auditor, Devices Mirroring, Ultra Charts, and Host Agent, with 6 more in the pipeline. By the end of 2026, Plantformance had developed 16 Ignition modules internally. Modules replaced the scripts on managed gateways.

BEFORE

Plantformance used scripting to add features to Ignition. As the fleet grew, those scripts became hard to maintain, secure, and manage.

AFTER

A modern development pipeline, an ITIL service desk, and 24/7 support are in place, and scripting has practically disappeared from Plantformance-managed gateways.

RESULTS

- No more piles of scripts or Jython limitations to work around
- Countless hours of troubleshooting saved by replacing scripts with modules
- 5 commercial Ignition modules on the market, 6 more in the pipeline
- 16 Ignition modules developed internally
- Scripting has practically disappeared from Plantformance-managed gateways

Plantformance products and services: Gateway Analyzer, Security Auditor, Devices Mirroring, Ultra Charts, Host Agent, 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

Read this case online and see more Ignition projects: plantformance.com/case-studies/ignition-modules-replace-scripts · all case studies

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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.

plantformance.com
info@plantformance.com
Ennetbaden, Switzerland