Saint-Gobain Glass covers every factory with zero interface prerequisites

Saint-Gobain Glass · Glass

Saint-Gobain Glass built an edge management app on Ignition that needed heavy links to MicroStrategy, MS Planner and more. Plantformance built a central middleware layer, so every factory is covered by default with nothing to set up.

18
factories covered by default

5
interfaces per factory abstracted centrally

THE PROBLEM

Saint-Gobain Glass wanted a local management application running at the edge on local data, with heavy data exchange with MicroStrategy, MS Planner and other systems. The application was designed by 2Gi, an Ignition integrator, and Saint-Gobain Glass asked Plantformance to handle all the interfaces. It quickly became clear that with 18 factories and 5 interfaces per factory, IT security requirements would stretch implementation into years. The MicroStrategy data needs would also have failed on call volume, data size and backend latency.

HOW WE DID IT

Plantformance built a central middleware processing layer that abstracts every interface the local application needs. For MicroStrategy, we built a dedicated layer: each factory sends a catalog of requests in one query, the central layer runs all the actions until everything is done, and it pushes one compressed data packet back to the site with all the requested data. Interfaces to MS Planner and the other systems are abstracted the same way. Plantformance also provides Ignition scripting APIs that the integrator uses in the application.

BEFORE

A very good Ignition application that would have faced a very long rollout. Its data exchanges would also have hurt the performance of the Ignition gateway.

AFTER

2Gi keeps developing and upgrading the application using the Ignition scripting APIs built by Plantformance. Plantformance manages all data flows and the central middleware, and the solution is extremely reliable.

RESULTS

- A rollout that would have taken months per site is now implicit
- All factories are covered by default, with nothing to do to get the solution working
- Saint-Gobain Glass and 2Gi decide when to roll out each factory
- Zero data interconnection prerequisites per factory

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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/glass-zero-prerequisite-interfaces · all case studies

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