THINKING BIG? THINK BROCK SOLUTIONS.

The Leaders of Large-Scale Enterprise Rollouts of Ignition

Ignition
by inductive automation
certified
PREMIER INTEGRATOR

WHAT WE SEE EVERYDAY

TRADITIONAL HMI/SCADA

Typical HMI issues include hardware/software obsolescence, low user-friendliness, difficulty in scaling up operations, and licenses being limited to clients and/or tags.

MULTIPLE PLANTS & OPERATIONS

A variety of plants with mish-mash of HMI platforms resulting in little standardization & increased costs.

STRICT CRITERIA

Integrating a brand new SCADA means qualifying it against your strict criteria all over again:

Historian Data, Security, Performance, Scale.

Ignition
by inductive automation

Our customers are frustrated with the traditional HMI path and are starting to do something about it. As a result, we see pockets of Ignition popping up all over. Projects typically start small – one line, a couple of machines – all flying under the radar. But more and more, our customers are looking for an Enterprise answer. That's Where Brock Fits. We Make Ignition work for the Enterprise.

MAKING IT HAPPEN ACROSS THE ENTERPRISE

BROCK solutions

WE HAVE THE EXPERIENCE & TOOLS TO DO LARGE ENTERPRISE PROGRAMS.

EXPERIENCE

Experience and Scale: Brock has second-to-none experience implementing large-scale Ignition solutions. Our experience is in both process and discrete environments spanning millions of data tags, and thousands of screens and alarms. We have the size and scale of Ignition experts capable of designing and rolling out large enterprise solutions.

TOOLS & REPEATABLE DESIGN

Each integration is different, and we've come up with a number of ways to make Ignition work for large-scale rollouts. Our tools accelerate migration and development timelines – allowing us to deliver standardized solutions, fast!

TYPICAL BENEFITS FOR OUR CUSTOMERS

We stand up solutions for our customers that can scale quickly, and leverage our repeatable design. That translates into a lower cost of ownership for our customers, and a standard solution that is sustainable.

Insight Into the Product
Brock is a certified Ignition integrator with a close working relationship with Inductive Automation. We have worked closely with the Ignition development team to ensure features required for customer implementations are integrated into the product. Through this partnership, Brock has insight into the product roadmap and can make key design and architectural decisions to best position our clients for the future with Ignition. Brock Solutions continues to work closely with Ignition development and leadership teams to ensure cost effective, responsive, and robust operations.

BROCK solutions
Engineering Solutions that Perform.

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BROCK solutions

Many manufacturers are on a transformational journey when it comes to their plant-floor automation and manufacturing operations systems. The focus is on driving value for the business through operational systems that are efficient, compliant, and perform flawlessly in a high-speed, highly complex process automation environment.

THE LEGACY HMI/SCADA PROBLEM

▶ Performance issues due to obsolescence and proprietary data storage

▶ High maintenance and development costs brought on by updates, incompatibility, and poor migration tools.

▶ Cumbersome and expensive licencing model created significant bottleneck to operational expansion.

WALK THEN RUN...FAST

In the early stages, the customer looked to Brock Solutions to help evaluate and design a solution for these all-too-common issues with traditional HMI packages.

Inductive's Ignition platform was identified and reviewed against the following criteria:

▶ Connectivity to various PLC platforms, responsiveness to operators, built-in reporting and trending features, integration with enterprise active directory, compatibility with terminal servers, etc.

▶ Ability to scale to 10+ plants, millions of data tags, thousands of screens and alarms.

▶ Technological dependencies, ease of migration between environments and plants, expert availability.

Brock Solutions implemented a comprehensive pilot project of Ignition software in our client's facility. This provided the opportunity to put the Ignition solution through its paces, and ensure it could scale beyond the first site.

Their facility includes both a primary batching area and a high-speed secondary/packaging area. Ignition was implemented to provide process management and an operator interface for machine control, mixing, conditioning, sorting, flavouring, cutting, quality control, and packing. The solution is now being extended across our client's largest facilities with data historian and dashboarding as core functions in addition to primary and secondary area process control.

PROGRAM SCALE AT A GLANCE

10+ PLANTS

1.2M TAGS

200+ CLIENTS

50K ALARMS

3K SCREENS

DESIGNED FOR REPEATABILITY

To ensure a standard, high-performance solution leveragable in the future, Brock Solutions developed a library of HMI objects, templates, and User-Defined Data Types.

To streamline development, we developed custom migration tools to rapidly convert tags and screens from legacy HMI platforms to Ignition.

Combine all of this with a unique, easily scaled, system architecture pushing the boundaries of the latest Distributed Services features on Ignition's gateway network, Brock has provided a solution that enforces standardization across the enterprise in an efficient manner.

THINKING OF IGNITION FOR YOUR ENTERPRISE?

THINK BROCK SOLUTIONS

Only Brock Solutions has the experience and tools for successful, large scale, enterprise rollouts. If you are thinking of enterprise, the size of installation is key; and we are one of the only partners that has implemented Ignition on a large scale.

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