

Ignition!



Presented By : Ali Tajalli

Meet Ignition® — The Industrial Automation Platform

Sparking Digital Transformation for industrial automation operations since 2003, Ignition seamlessly collects all your data and allows you to easily design any kind of industrial application, and instantly web-deploy clients to anyone, anywhere.



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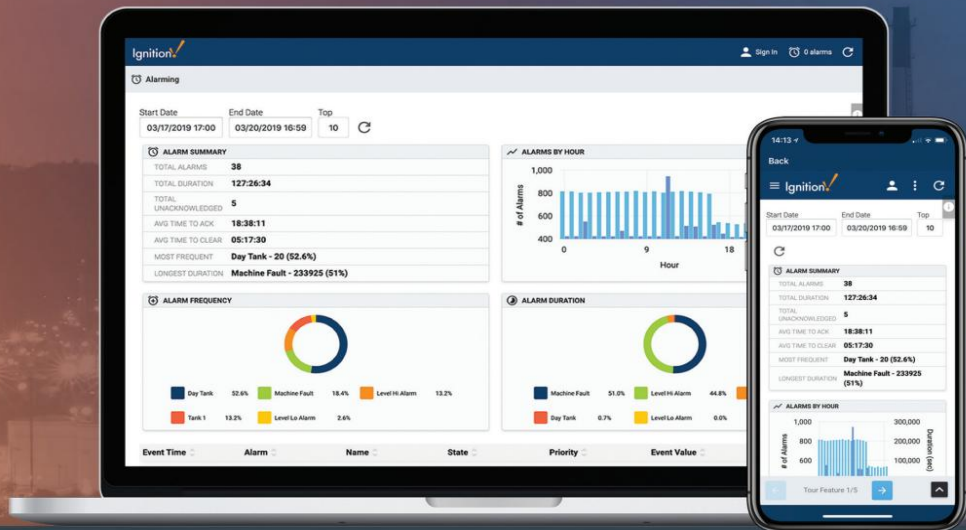
<https://www.linkedin.com/in/ali-tajalli/>

Ignition! 8.1

by inductive automation

Built For Everyone

The all new Long-Term Support (LTS) release introduces powerful new features to the Ignition Platform to help you develop and use projects more effectively.



Industrial Application Software Platform for:
SCADA, HMI, IIoT, MES, Alarming, Reporting & More

Ignition!

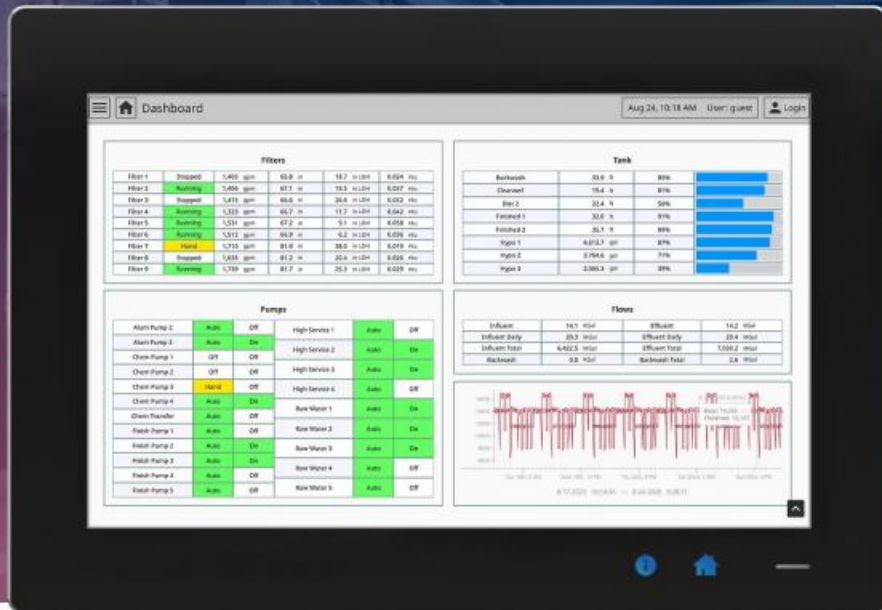
by inductive automation

The Unlimited SCADA Platform
of the Future

The Ignition Platform

For the Plant Floor

Ignition 8.1 adds amazing features to Ignition Perspective that help you see and control your plant-floor processes more effectively than ever before.



Run in Full-Screen Kiosk Mode

Eliminate any distractions from the underlying OS with Perspective Workstation's Kiosk mode.



Control the Plant Floor from Your Phone

Put the full control of your plant floor in the palm of your hand with the Perspective App for iOS & Android.



Screens courtesy of Corso Systems

Design for Multiple Screen Sizes at the Same Time

Save development time by designing a single Perspective application that displays beautifully on screens of any size.



The Ignition Platform

SCADA, IIoT, MES and Beyond – All On One Platform.

Ignition is the world's first truly universal industrial application platform because it empowers you to rapidly develop any type of industrial application, and scale your system in any way – all on one platform.



SCADA

Easily control, track, display, and analyze your processes.



Reporting

Easily create and deliver dynamic, database-driven industrial reports.



IIoT

Make your data more accessible and efficient.



Edge Computing

Capture and visualize critical data at the remote edge of your network.



MES

Track your production, manage recipes, calculate OEE, and more.



Enterprise

Empower your teams with better data to make smarter decisions.



HMI

Build optimized screens to monitor and control your machinery.



Mobile

Build mobile-responsive industrial applications using HTML5.



Alarming

Build complex alarming systems with ease and get notifications instantly.



Unlimited Clients

With unlimited runtime clients at no additional cost, you can get your important data and analytics to your entire team, across your whole company.



Unlimited Tags

Ignition allows you to create and use as many tags as you need for devices, OPC servers, and anything else, without limits.



Unlimited Connections

Using open technologies like OPC UA and SQL, Ignition easily connects to practically any PLC, database, device, and enterprise system so you can get your whole enterprise connected.



Unlimited Designers

You can get your whole team developing projects in Ignition, even at the same time, without paying for extra designers.



Unlimited Scalability

Ignition grows along with your company, so you can buy one license to connect your entire facility, or multiple licenses to connect multiple facilities.

The Ignition Platform

The One and Only Universal Industrial Application Platform

Ignition is the world's first truly universal industrial application platform because it empowers you to connect all of the data across your entire enterprise, rapidly develop any type of industrial automation system, and scale your system in any way, without limits. Here are the amazing features that make Ignition the first and only universal Industrial Application Platform:



Unlimited Licensing Model

Add unlimited clients, screens, tags, connections, and devices at no additional cost.



Built on Open Standard Technologies

Based on easy-to-support IT standards like SQL, Python, MQTT, and OPC UA.



Server-Centric Web-Deployment

Easily deploy clients from a central server at one site, multiple sites, or in the cloud.



Connects to Anything

Connects to any major database and PLC, bridging the gap between IT and OT.



Modular Configurability

Use integrated software modules to build any kind of industrial application to fit your processes.



Universal Designer

One integrated development environment to build applications for HMI, SCADA, MES, and more.



Cross-Platform Compatibility

Installs on any major operating system including mobile OSes like iOS and Android.



Rapid Development and Deployment

Get all your tools in one place so you can build and deploy applications quickly and easily.



View on Any Device

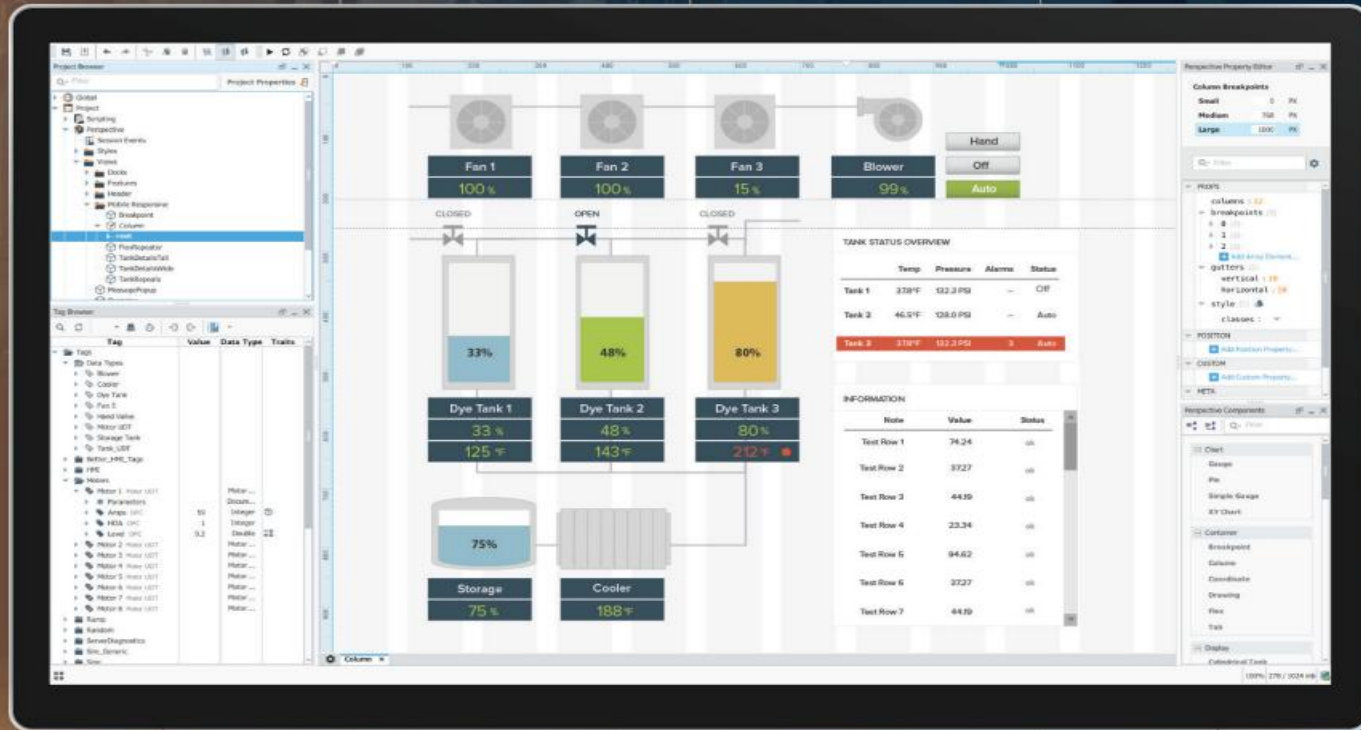
View clients on any device including desktops, industrial displays, and mobile devices.



Create Mobile-Responsive Screens

Drag-and-Drop Design

Create Custom Graphics



Easy Data Binding

Powerful Scripting



Develop Larger Systems Faster with Docker

Users who currently use Docker Hub will enjoy the ability to quickly develop on the Ignition platform. Quickly spin up multiple instances of Ignition and develop right away without the need for installation. You can also have multiple instances interact with each other to develop a multi-gateway architecture without the need to run multiple servers or be at multiple locations.

Learn Ignition for Free at Your Own Pace

More videos are being added to Inductive University for 8.1, so anyone can learn how to use the newest version of Ignition on their own time. Inductive University is the industry's leading online-learning website for automation software. With more than 600 educational videos, you can learn how to use Ignition on-demand, all totally free!





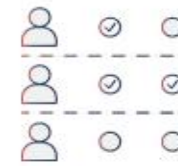
Integrate with Corporate Network Security

Ignition integrates with corporate network security using Microsoft Active Directory™.



Use Trusted Identity Management

Ignition integrates with trusted federated identity technologies such as SAML and OpenID Connect.



Control User Access

Easily control access to system areas for different users with the click of a button.



Built for Enterprise-Wide Systems of all Sizes

Ignition 8 is built to scale for any size implementation within your enterprise organization. With the ability to share project-inherited resources across multiple projects, a robust tag system that can handle huge amounts of data, and the ability to simultaneously launch hundreds of concurrent clients with ease, Ignition 8 was designed with enterprise deployment in mind.

The Ignition Platform

Accelerate Application Development

With a clean, intuitive design and a straightforward project management system, the Ignition Designer makes ease-of-use a priority. If you can dream it, Ignition can do it — fast!



Rapidly Build and Easily Customize Large Projects

Ignition's simple project inheritance file system makes it easy to define an overarching corporate project that shares resources such as templates, scripts, and themes across multiple applications.



Unlimited Design Clients

You can launch an infinite number of Designers, and have multiple people work simultaneously on the same project without locking anyone out of shared project resources.



Create Custom Graphics and Animations

Use powerful 2D vector drawing and animation tools to create any shape with a variety of line strokes, color fills, patterns, and gradients, or import your own Scalable Vector Graphics (SVG).



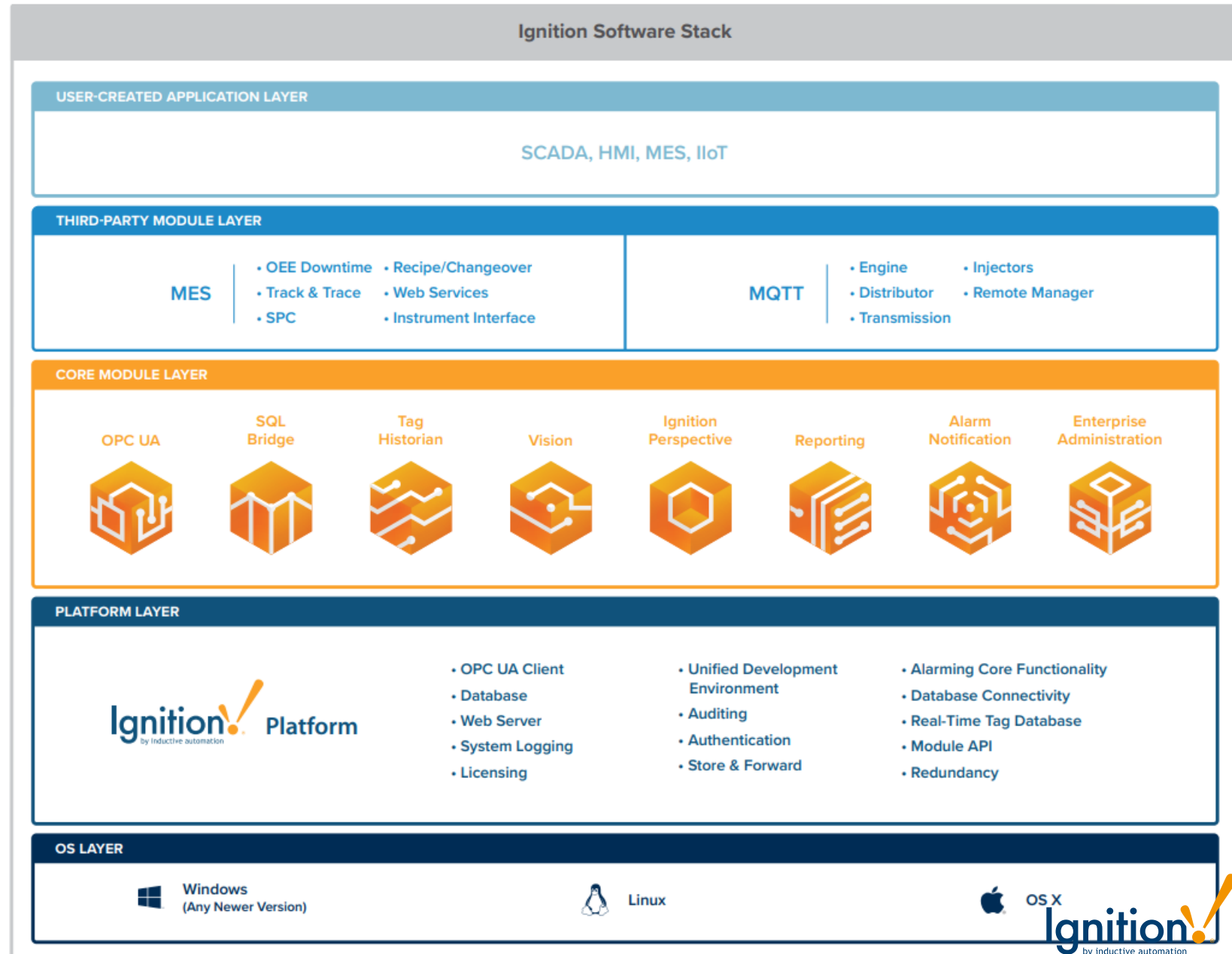
The Ignition Platform

Fully Integrated Software Modules

Ignition is a universal industrial application platform capable of unlimited extensibility through the addition of fully integrated software modules. All modules are hot-pluggable so they can be installed, removed, and upgraded without impacting your operations in any way, and they all work together seamlessly.

Build the Exact System You Need

With a full suite of powerful Ignition Core and third-party modules available for the Ignition platform, you can easily develop industrial applications perfectly customized to your unique processes.



Ignition Core Modules

With the Ignition Core modules, users can add features such as charts and tables, mobile access, voice notifications for alarms, transaction management, sophisticated logic systems, enterprise administration, and much more.



Vision Module

The visualization module for plant-floor and desktop screens. Launch unlimited rich, web-deployed clients anywhere on the network. Display charts, graphs, trends, HMI screens, and more.



Reporting Module

Create dynamic, database-driven PDF reports with pixel-perfect layout — with ease.



Alarm Notification Module

Configure the logic for how, why, and when alarm notifications are delivered, manage alarm notification for groups of users, and send notifications via email.



Ignition Perspective Module

The visualization module for mobile-first industrial applications. Easily build pure-web, mobile-responsive, visually stunning applications for monitoring and control using HTML5.



Enterprise Administration Module (EAM)

Secure and manage many Ignition installations from one location.



SQL Bridge Module

Easily log data, call stored procedures, and synchronize data bi-directionally.



OPC UA Module

Connect to most major programmable logic controllers (PLCs) with the Ignition OPC UA Module. This module serves as a totally cross-platform OPC UA server with an open, plug-gable driver system. Drivers for OPC UA Module: Modbus Driver, UDP and TCP Drivers Module, Allen-Bradley Driver Suite, Siemens Driver, DNP3 Realtime Driver, Omron Driver



Tag Historian Module

Turn a SQL database into a high-performance time-series tag historian.

Strategic Partner Modules

Inductive Automation's Strategic Third-Party Module Partner Program enables third-party software providers to create modules for the Ignition platform in their area of expertise.



Use the Sepasoft manufacturing execution system (MES) modules to bridge the gap between the plant floor and the executive level.



OEE Downtime Module for Ignition

Combines both OEE calculations and downtime tracking to give operations managers a robust software package that measures efficiency and insight into how to boost OEE.



Instrument Interface Module for Ignition

Capture raw textual data from instrument type devices via serial, text files, OPC devices and more, and parse out that data to Ignition, databases or other systems.



Track & Trace Module for Ignition

Provide production control and track product from the raw materials to the finished state, access genealogy data, and set up a centralized operator interface for all MES information.



Web Services Module for Ignition

Configure web service operations and data types, and invoke web service operations from the HMI, SCADA or MES system to read or write data to web-services-supported systems, such as ERP.



SPC Module for Ignition

Reduce or eliminate late or missing sample collection, inaccurate sample data and other issues leading to quality problems and deliver and analyze your SPC data in real-time.



MES Enterprise Module for Ignition

Connect multiple MES Ignition Gateways across your entire enterprise to form a large, centrally managed MES solution.



Recipe/Changeover Module for Ignition

Expertly build, manage and monitor recipes and quickly and accurately change machine, process or system recipes.

The Ignition Platform



With the Cirrus Link IIoT Modules, you can set up a secure MQTT message-oriented middleware infrastructure that increases data availability.



MQTT Engine Module for Ignition

Bi-directionally communicate with edge-of-network devices securely via an MQTT Server. Create one pipeline for all your IIoT data that increases data throughput and efficiencies.



MQTT Distributor Module for Ignition

Adds an MQTT server to the Ignition platform that enables MQTT clients to securely connect, publish, and subscribe to data.



MQTT Transmission Module for Ignition

Use Ignition to publish data from the edge of the network by taking Ignition tag change events and publish them as MQTT messages to an MQTT server.



AWS, Azure, IBM & Google Cloud Platform Injector Modules for Ignition

These Injector modules enable end users of Ignition to select tag data from the Ignition platform to be sent into the Amazon Web Services, Microsoft Azure, IBM Cloud, and Google Cloud Platform cloud infrastructure for analytics.



MQTT Recorder Module for Ignition

The MQTT Recorder Module receives record objects via MQTT/Sparkplug and automatically generates and populates database tables with records as they are received.



The Ignition Platform

Deploy

Web-Deploy Clients to Any Desktop, Industrial Display, or Mobile Device

Ignition gets your vital real-time data to anyone, anywhere, on any device with a web browser. With Ignition's server-centric web-deployment model, you can instantly launch an unlimited number of web clients from an on-premise or cloud-based server.



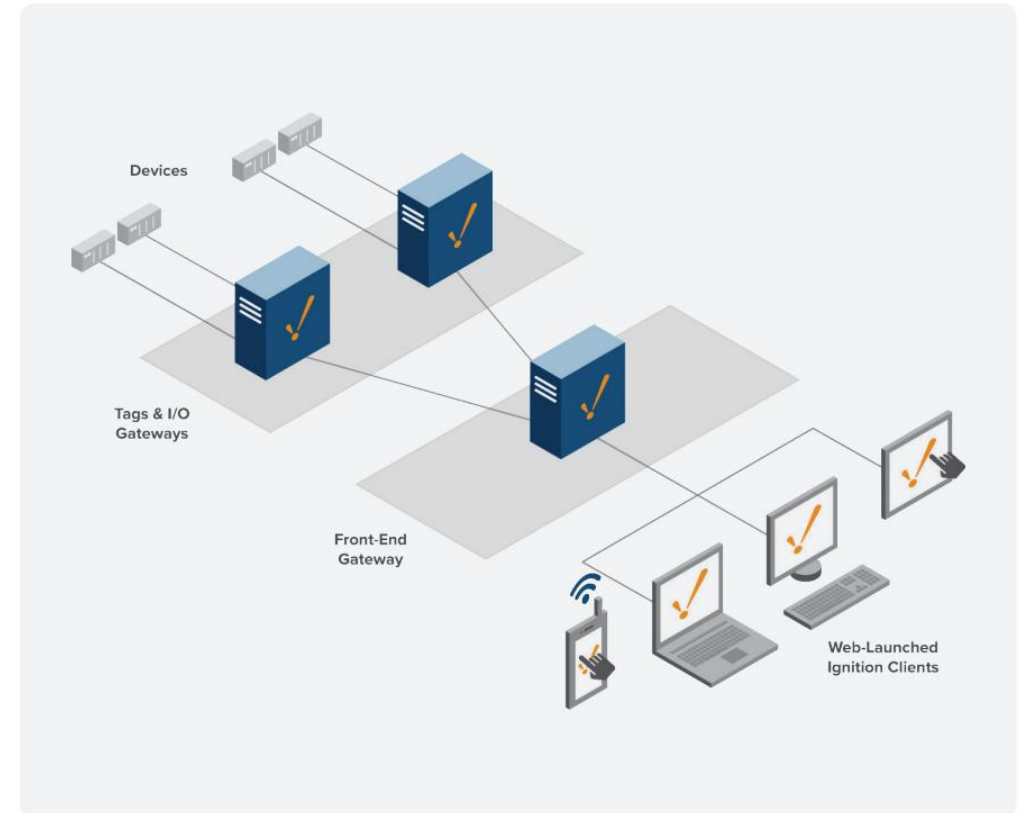
The Ignition Platform

Fits Any Architecture

Ignition's server-centric web-deployment model is flexible and scalable enough for architectures of any type or size. Ignition can be configured to fit just about any architecture; here are some of the most common architectures it is used in.

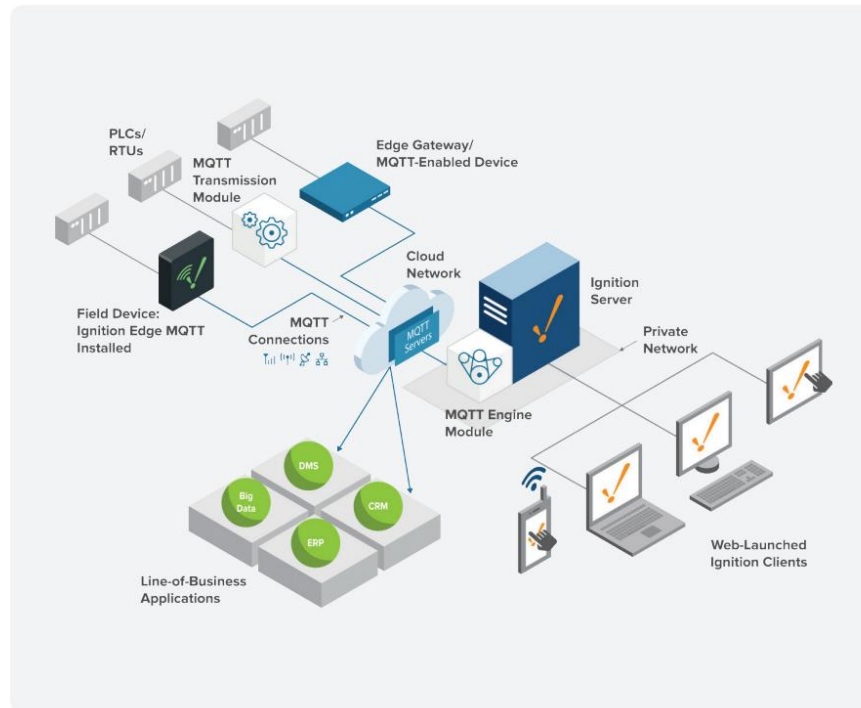
Ignition Scale-Out Architecture

The scale-out architecture links together several Ignition Gateways to form a decentralized system.



Ignition IIoT Architecture

With the Ignition IIoT architecture you can set up a secure MQTT Message-Oriented Middleware (MOM) infrastructure in the cloud, on a private on-premise network, or a hybrid of both.



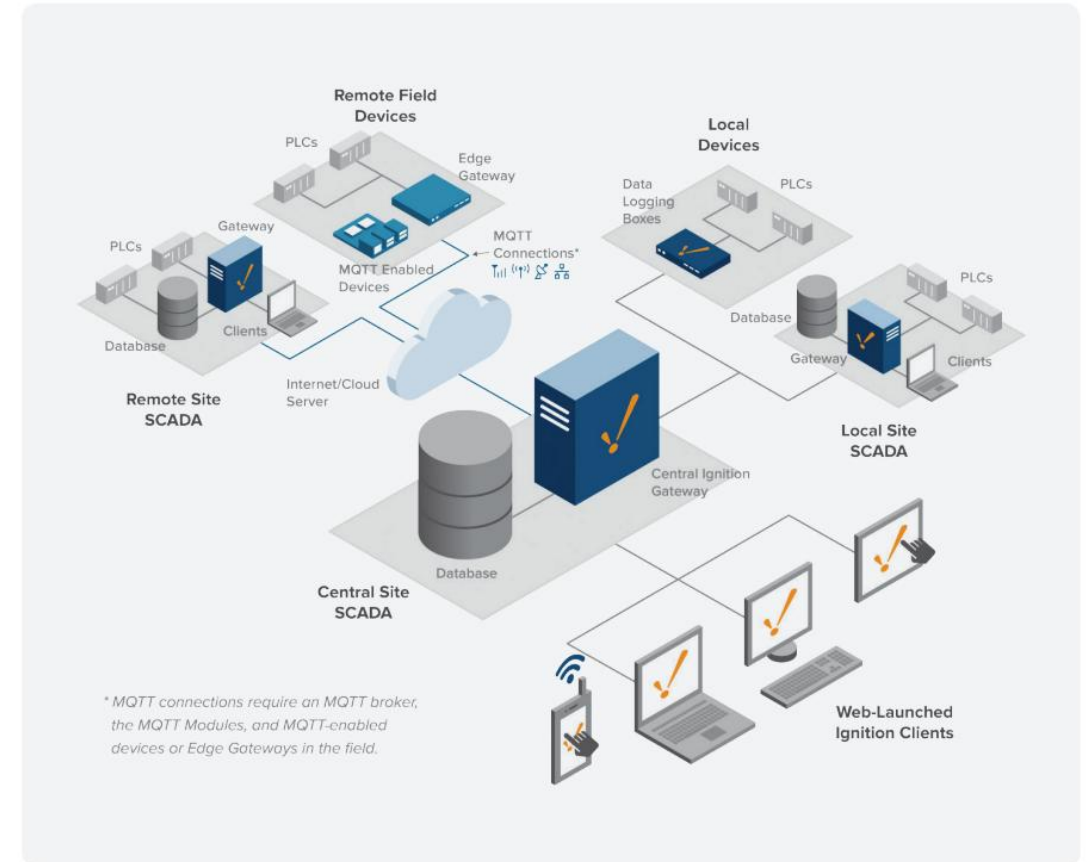
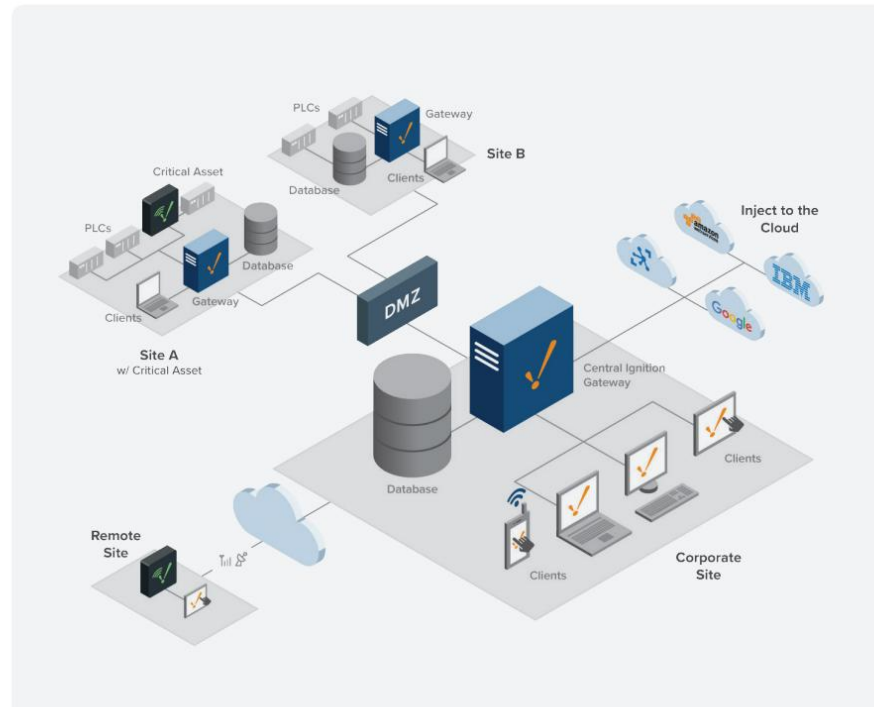
The Ignition Platform

Ignition Hub & Spoke Architecture

In the hub-and-spoke architecture, multiple local and remote sites are linked together by a central Ignition Gateway.

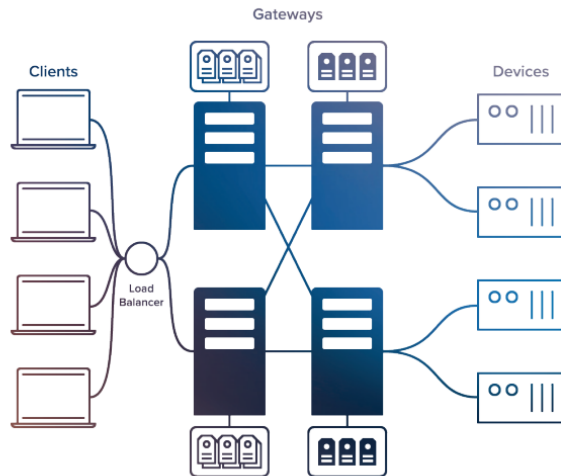
Ignition Enterprise Architecture

With the Ignition enterprise architecture, you can send data from independent local sites and remote sites up to a centralized corporate site and to cloud services.



Infinitely Scalable

Ignition is perfect for enterprise-wide implementations because it is scalable enough to handle large systems and secure enough to protect your critical data.



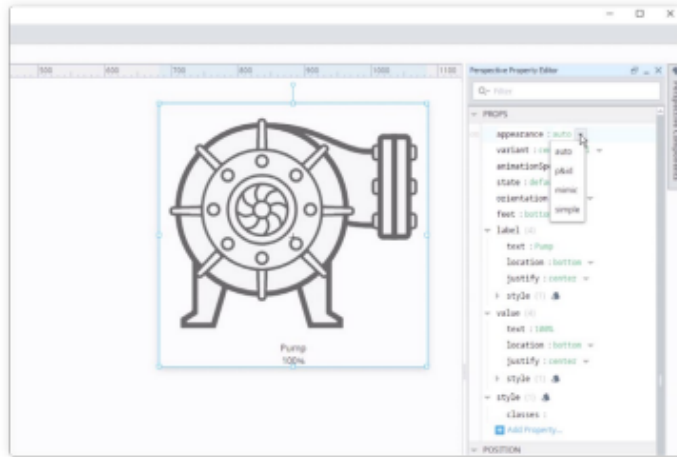
Unlimited Scalability

In addition to being used for smaller, centrally managed single-server architectures, Ignition can scale gracefully for use in larger distributed architectures where one Controller Gateway is used to manage multiple Agent Gateways, or in scale-out architectures where the

Handle Huge Amounts of Data

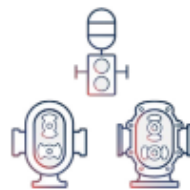
The tag system in Ignition is optimized for top speed and performance in large enterprise systems. Ignition lets you handle larger amounts of data more easily and quickly than any other solution. You can even make dynamic changes during runtime and update UDTs without slowing down your system.





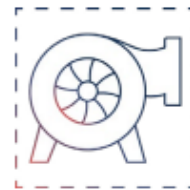
Powerful New Dynamic and Data-Driven Symbols

In 8.1, we're adding powerful dynamic symbols to the Perspective Module called Perspective Symbols. These symbols all have dynamic data models, so binding them to process values is a simple matter of drag-and-drop. They also have built-in animations so they will automatically change based on your data. With Perspective Symbols, creating beautiful HMIs is quicker and easier than ever.



Three Distinct Styles

Each Perspective Symbol comes with three different styles: Traditional P&ID, the realistic Mimic, and the optimized Simple style.



Customize Your Symbols

Visual options such as supporting text, animation, and device orientation can be defined to fit your project.

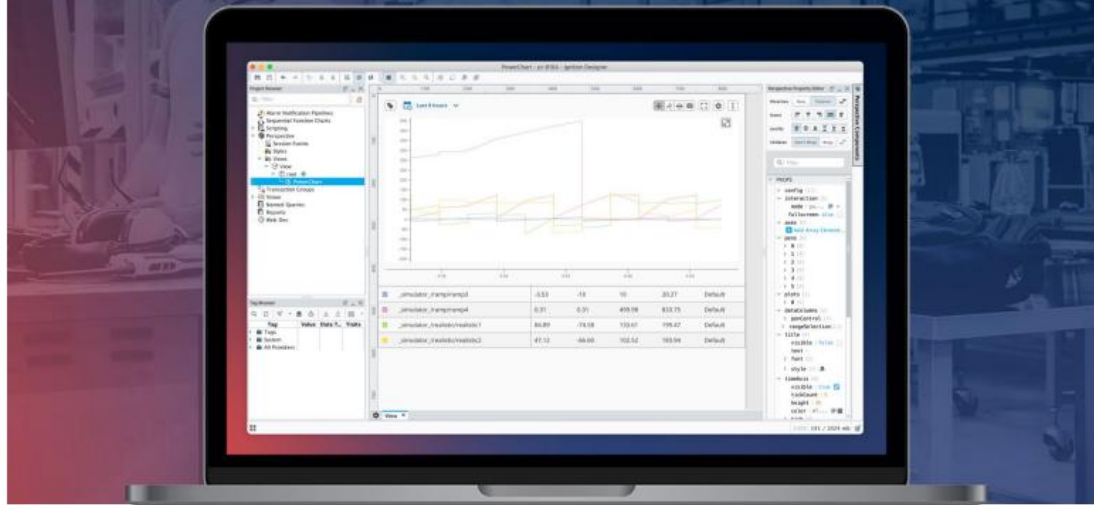


Get All the Basics & More

The initial release comes with the 2-way valve, motor, pump, vessel, and sensor, and many more symbols are coming soon.

For Developers

With new super-tools like the Power Chart, refinements to the Ignition Designer, and support of Docker Hub deployments, Ignition 8.1 is making development faster and easier than ever before.



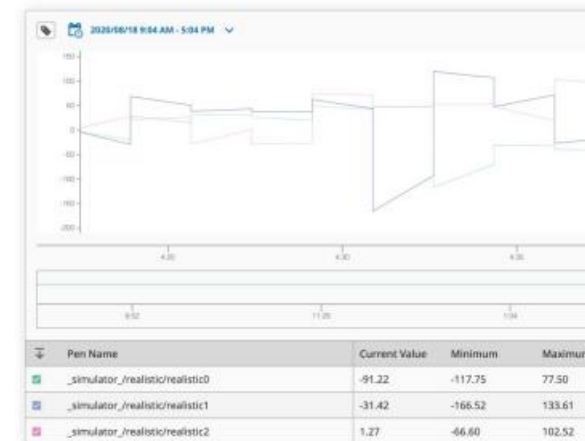
Add Powerful Ad Hoc Charts to Your Projects Instantly

The Power Chart component for Perspective allows you to quickly and easily create runtime-configurable time series charts from Tag Historian data. Now you can easily generate "ad hoc" charts within a Perspective session. Power Chart is also mobile-optimized so it adapts itself automatically for small screens.



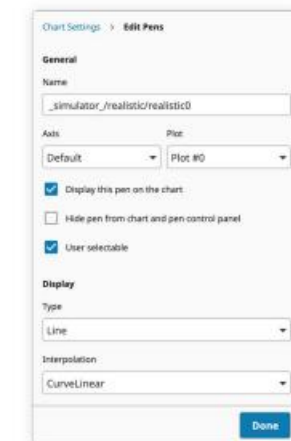
Tag Browser Built Right In

You can easily access and analyze historical tag data right from the session window, no additional development necessary.



Data-Driven Table

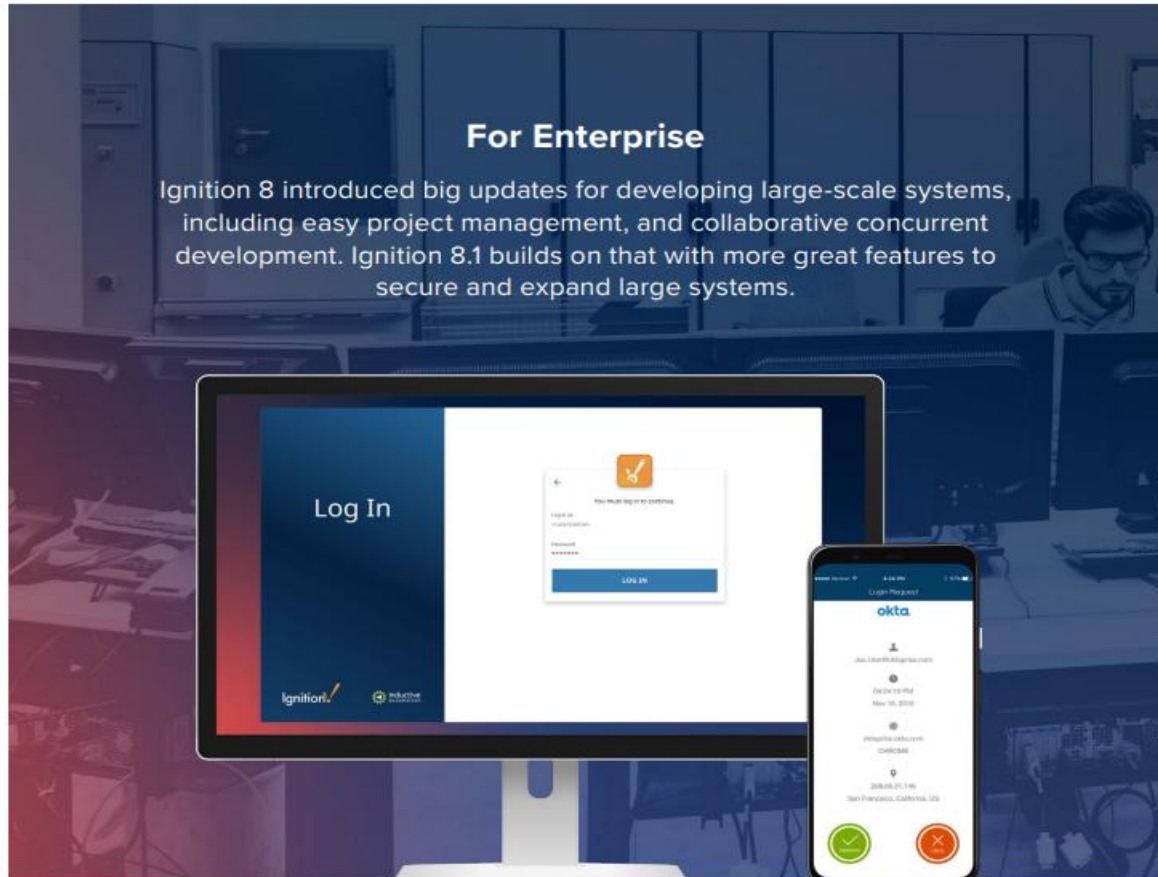
Easily view dynamic chart data in a table format for quick analysis, all within the session.



In-Session Chart Customization

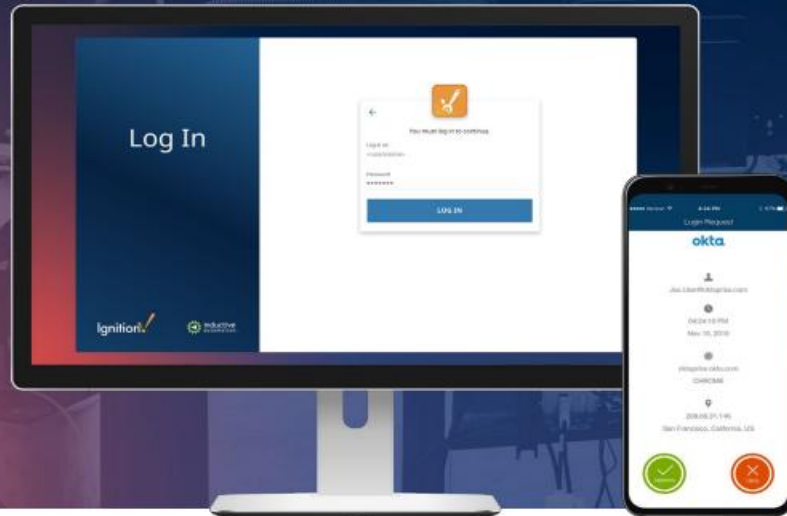
You can easily and quickly customize charts by adjusting axes, chart pen parameters, and the chart's timeframe.

The Ignition Platform



For Enterprise

Ignition 8 introduced big updates for developing large-scale systems, including easy project management, and collaborative concurrent development. Ignition 8.1 builds on that with more great features to secure and expand large systems.



Add SSO and MFA Security to all Your Ignition Projects

Ignition 8.0 introduced support for federated identity with the Perspective Module. Now with Ignition 8.1, you can also take advantage of federated identity support for the Ignition Gateway, Designer, and the Vision Module, to add multi-factor (MFA) authentication and single sign-on (SSO) to all your Ignition projects across your enterprise



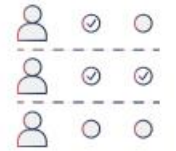
Integrate with Corporate Network Security

Ignition integrates with corporate network security using Microsoft Active Directory™.



Use Trusted Identity Management

Ignition integrates with trusted federated identity technologies such as SAML and OpenID Connect.



Control User Access

Easily control access to system areas for different users with the click of a button.



Built for Enterprise-Wide Systems of all Sizes

Ignition 8 is built to scale for any size implementation within your enterprise organization. With the ability to share project-inherited resources across multiple projects, a robust tag system that can handle huge amounts of data, and the ability to simultaneously launch hundreds of concurrent clients with ease, Ignition 8 was designed with enterprise deployment in mind.

Ignition 8.1 has everything you need to build reliable, reusable, and powerful projects for any industry at any size.



Unlimited Licensing Model

Add unlimited clients, screens, tags, connections & devices.



Server-Centric Web-Deployment

Easily deploy at one or more sites or in the cloud.



Modular Configurability

Use integrated modules to build the exact industrial application you need.



Cross-Platform Compatibility

Ignition works with any major operating system, even iOS and Android.



Run Web-Clients on Desktop or Mobile

Launch runtime clients in any web browser with no plugin required.



Based on Open Technology Standards

Built on HTML5, SQL, Python, MQTT & OPC UA.



Instant Installs and Updates

Install on a server in just 3 minutes, push updates to clients everywhere, instantly.



One Universal Platform

Build SCADA, MES, IIoT, alarming, reporting applications and more.



Mission-Critical

Add fault tolerance for mission-critical systems by adding redundant servers.

USER-CREATED APPLICATIONS

SCADA

Alarming

HMI

Reporting

Mobile

IIoT

MES

CORE MODULES



Ignition Perspective



Vision



SQL Bridge



Tag Historian



Reporting



Alarm Notification



Enterprise Administration



OPC UA

IIOT MODULES



Strategic Partner:
Cirrus Link

MES MODULES



Solution Partner:
Sepasoft

PLATFORM

Connections

Core Drivers

Security

Development

Enterprise

System Monitoring

OPERATING SYSTEM



Windows



Linux



OS X



iOS



Android

Ignition Solutions

Unlimited Possibilities

Ignition is a powerful integrated development environment with everything you need to create virtually any kind of industrial software application – SCADA, IIoT, MES and beyond – all on one platform.



SCADA

Easily control, track, display, and analyze your processes.



IIoT

Make your data more accessible and efficient with MQTT.



MES

Track your production, manage recipes, calculate OEE, and more.



HMI

Build optimized screens to monitor and control your machinery.



Alarming

Build complex alarming systems with ease and get notifications instantly.



Reporting

Easily create and deliver dynamic, database-driven industrial reports.



Edge Computing

Capture and visualize critical data at the remote edge of your network.



Enterprise

Empower your teams with better data to make smarter decisions.



Digital Transformation

Evolve operations from analog to digital to Industry 4.0 with one platform.



Ignition Solutions

SCADA

See, Control, and Analyze All Your Data, in One Place

Ignition is The New SCADA because it solves all the major pain points of traditional SCADA like strict hardware requirements and slow installations. Ignition empowers your business to easily control your processes, and track, display, and analyze all your data, without limits.





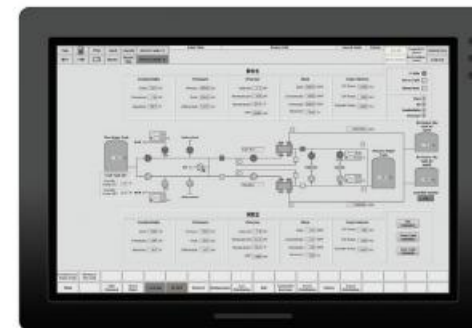
Take Data Acquisition to the Next Level

Ignition SCADA software comes standard with a comprehensive set of data acquisition tools which includes built-in OPC UA to connect to practically any PLC, and the ability to seamlessly connect to any SQL database. Ignition can also turn any SQL database into a high-performance industrial historian and connects to IIoT devices through MQTT.



True Real-Time Monitoring

Ignition is engineered to streamline data-throughput so you can see real-time tag values. Ignition's real-time monitoring gives you the power to quickly see the status of your facility, on any device.



Control Your Process with Powerful HMIs

With Ignition, you can easily start and stop processes, monitor multiple data points at multiple locations, and check the status of the entire plant floor at any given moment. Ignition comes standard with the Ignition Designer, the industry's most powerful IDE, so you can effortlessly create optimized HMI screens to do whatever you need.



Build Next-Generation Smart SCADA Applications

Ignition lets you leverage the power of your mobile device's intuitive touch inputs, sensors, cameras, and GPS to create the next generation of SCADA applications. With Ignition, you can create pure-web SCADA applications that use HTML5 and CSS3 to run natively inside any major web browser.



Build Fully Mobile-Responsive SCADA Applications

Get all the tools you need to build full-fledged, totally mobile-responsive SCADA applications that put the full overview and control of your plant floor right on your phone, tablet, and desktop— all with one application.

More Features

Symbol Factory

Choose from thousands of customizable graphics for your project.

SCADA Alarming

Easily stay aware of what's happening at your facility, wherever you are.

Dynamic Reporting

Create a full range of dynamic, data-rich reports and send them anywhere.

Transaction Management

Easily log data, call stored procedures, and synchronize data bi-directionally.

Industrial Historian

Turn a SQL database into a high-performance time-series tag historian.

Store-and-Forward

Store-and-forward historical data so you never lose it.

Ignition Solutions

HMI

HMI Software That is Powerful and Easy to Use

Ignition makes working with HMIs easy, it installs in minutes on virtually any device, and updating an HMI with Ignition is fast and painless. With the included Ignition Designer, you can build HMIs with historical trending, alarming, and more with drag-and-drop ease.



Ignition Solutions



Connect to Any PLC

Ignition is equipped with OPC UA so it can easily connect to third-party OPC servers. It also has available driver suites for Modbus, Siemens, Allen-Bradley, and more, so you can easily connect to virtually any kind of industrial device.

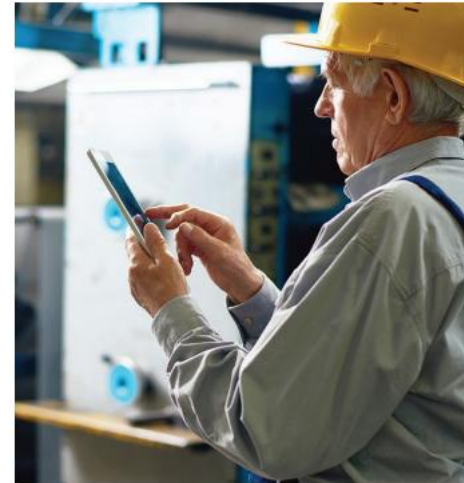


See and Control Your Processes

Quickly see the status of your machines in real-time, monitor multiple data points at multiple locations, and start and stop processes with the push of a button.

Turn Any Screen Into an HMI

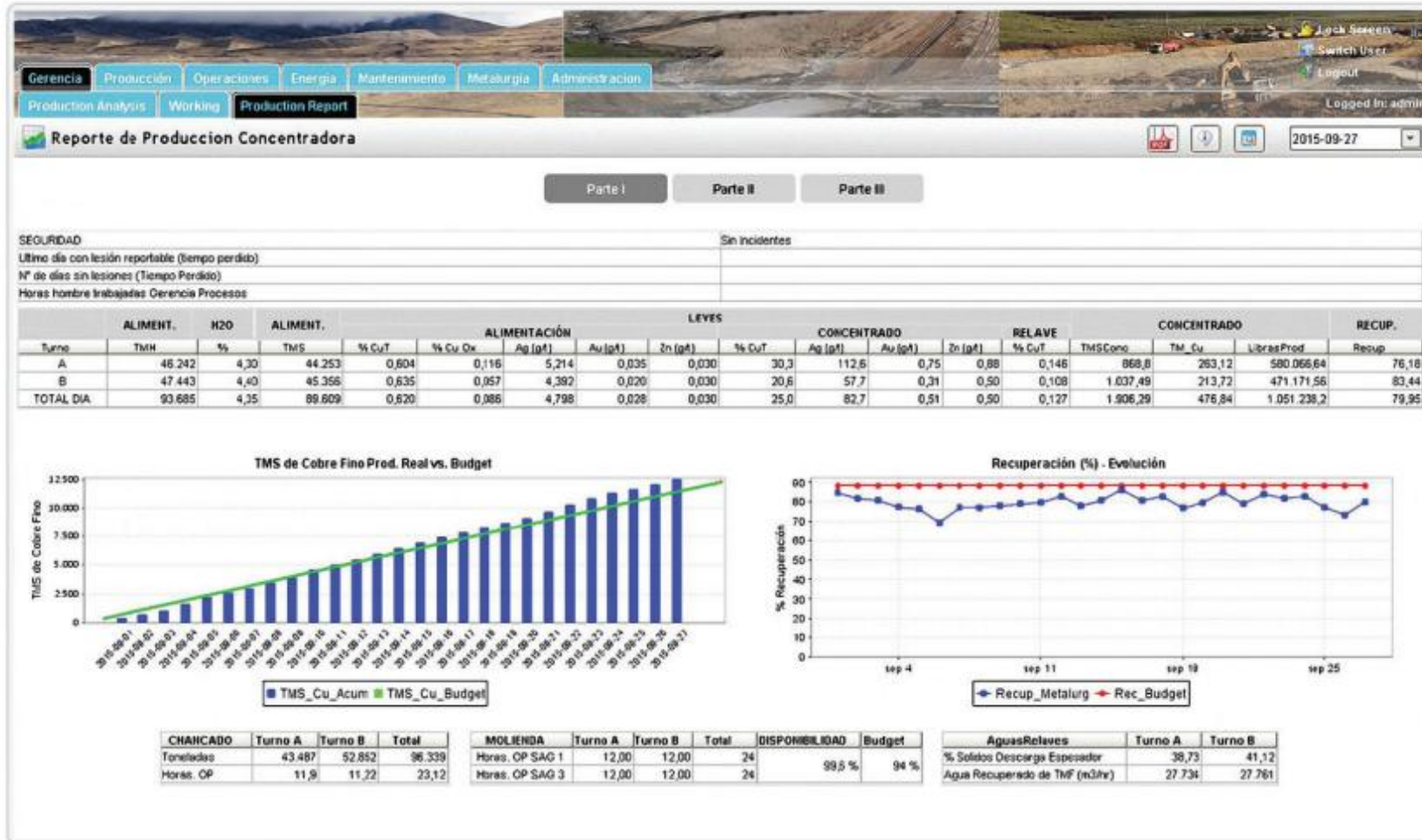
Ignition works on any version of Windows, macOS, Linux, and more, so you can install it on any industrial HMI or device. With support for ARM processors, it can also run on the latest generation of efficient edge-of-network devices.



Build Fully Mobile-Responsive HMI Applications

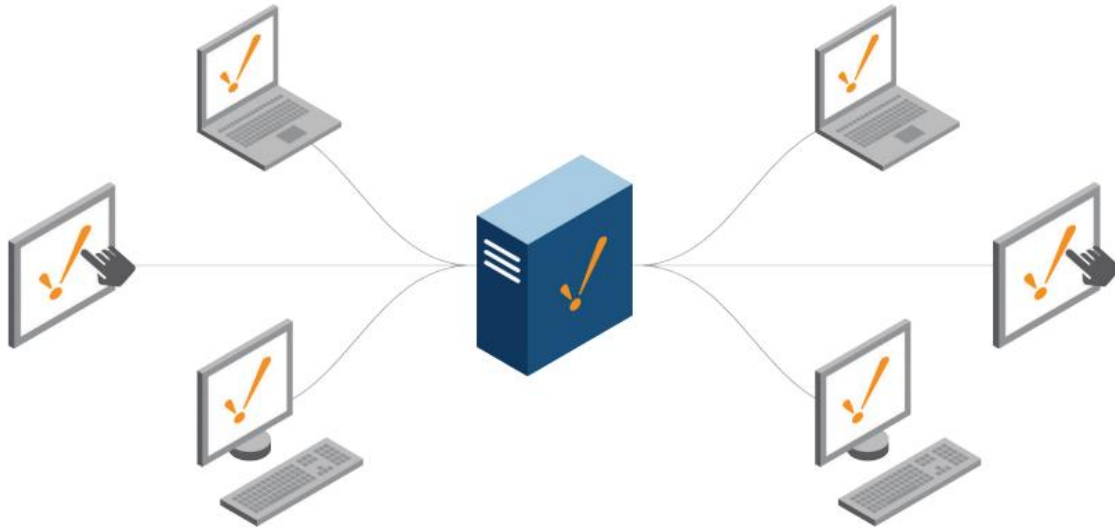
Get all the tools you need to build beautiful, totally mobile-responsive HMI applications that put the full control of your plant floor right on your phone or mobile device. Ignition lets you leverage the power of your mobile device's intuitive touch inputs, sensors, cameras, and GPS to create the next generation of HMI applications. With Ignition, you can create pure-web HMI applications that use HTML5 and CSS3 to run natively inside any major web browser.





Analyze Historical Data

Easily connect to a SQL database to store and display historical data on customizable charts, tables, and graphs to view trends and track KPIs at-a-glance.



Enterprise-Wide HMIs

Ignition works great as a single standalone HMI software solution. Additionally,

Ignition has the unique ability to connect all your HMIs together into one enterprise-wide solution that you can centrally manage, update, and deploy.

More Features

Alarm Notification

Easily stay aware of what's happening at your facility, wherever you are.

Local-Client Fallback

With a built-in data buffer, you'll never have to worry about losing your critical data.

Symbol Factory

Choose from thousands of customizable graphics for your project.

Rock-Solid Reliability

Ignition is built to just work so you never have downtime due to faulty HMI screens.

Single File Restoration

With single file restoration, you can get your HMIs back into action quickly.

Instant Installs and Updates

Install on a device or server in just 3 minutes; push updates to clients everywhere, instantly.

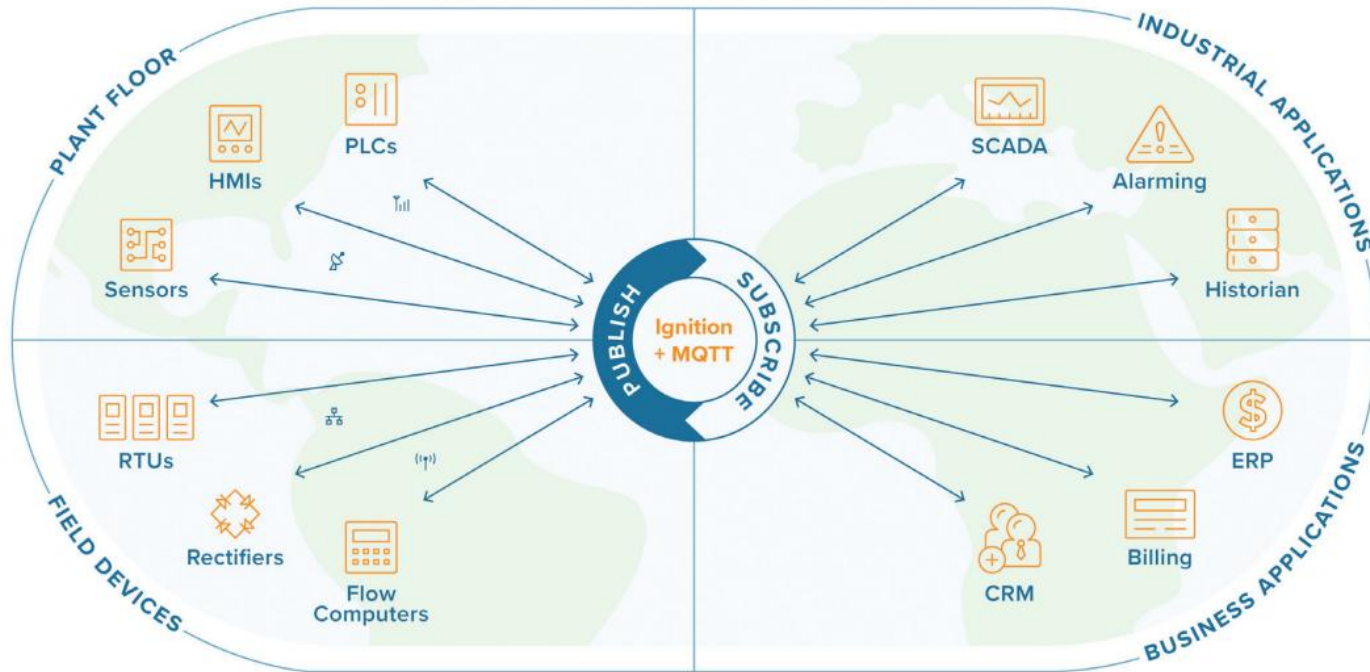
Ignition Solutions

IloT

Make Your Data More Accessible, Powerful, and Efficient with MQTT

Ignition IloT by Inductive Automation is an end-to-end Industrial Internet of Things (IloT) solution that combines the amazing efficiency of the MQTT data-transfer protocol with the unlimited data acquisition and development power of the Ignition industrial application platform.





Instantly Subscribe to Your Industrial Data

By leveraging the MQTT protocol's publish-and-subscribe methodologies, Ignition decouples devices from applications and pushes the polling to the edge of the network. This creates one streamlined data pipeline that frees data to be instantly accessible to the entire enterprise, without straining data bandwidth.

One Universal Platform for IIoT, SCADA and More

Ignition is the only IIoT platform with built-in tools for creating full-featured SCADA systems. Ignition is modular, so you can easily add fully integrated software modules for building industrial applications such as SCADA, alarming, reporting and more.



Ignition Solutions



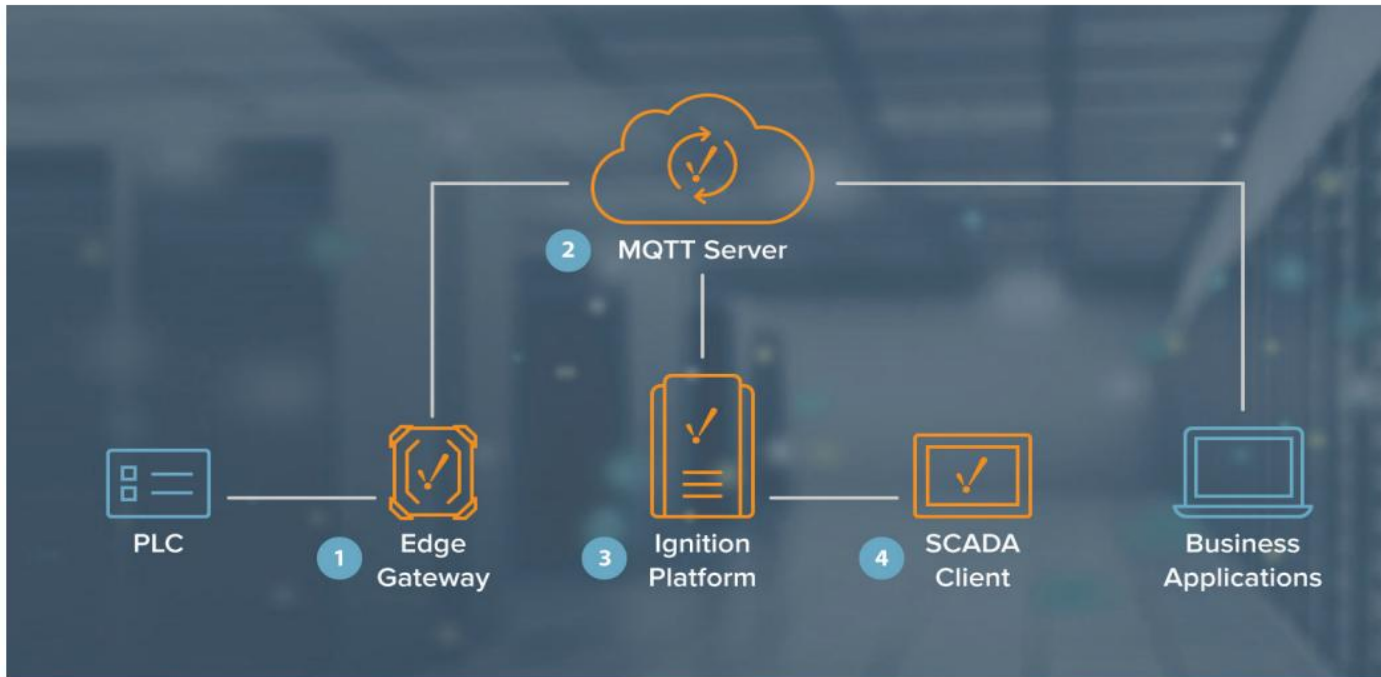
Add Integrated MQTT Software Modules

Cirrus Link Solutions is a strategic third-party module partner of Inductive Automation with years of experience developing top-quality IIoT solutions. With software modules for transmitting data from the field via MQTT, launching an MQTT server in the cloud, and connecting that data to industrial and business applications, the Cirrus Link IIoT modules for Ignition empower organizations to create one streamlined pipeline for all their IIoT data.

Ignition IIoT Architecture

Adding the Cirrus Link MQTT Modules to the Ignition platform empowers companies to set up their own IIoT solution. There are four main features to an Ignition IIoT architecture.

1. Publish Data from The Network's Edge
2. Publish and Subscribe to Data Through MQTT
3. Connect Ignition to an MQTT Server
4. Build and Deploy Ignition Applications



Flexible & Scalable Architectures: In the Cloud, On-Premise, or Both

The architecture of Ignition IloT is flexible: you can set it up in the cloud, on a private on-premise network, or a hybrid of both. Ignition is also easily scalable so you can grow from a small system to an enterprise-wide solution with ease.

More Features

Industrial-Grade Protocol

MQTT was designed specifically to meet the demands of industrial control systems, so it's extremely lightweight (2-byte header), bi-directional, stateful, and secured with TLS technology.

Third-Party IloT Platform Integration

Full integration with other IloT platforms: Azure, AWS IoT, Watson IoT, Google, and more.

Exceptional Redundancy and Security

Security, disaster recovery, and high availability are native capabilities of MQTT infrastructures.

Seamless Integration with Ignition SCADA

All Ignition solutions work seamlessly together for easy system integration.

HMIs and Dashboards

Create high-performance HMIs and enterprise dashboards to display your data.

Get Mobile Access

Get mobile access to your industrial applications via smartphones and tablets.

Ignition Solutions

MES

Tools for Tracking Production, Eliminating Downtime, and More

In order to ensure effective execution of manufacturing operations and improve production output, you need a manufacturing execution system (MES) solution to connect, monitor, and control complex systems and data flows on the factory floor. Ignition by Inductive Automation is the ideal platform for MES because it gives you all the tools you need to create your own customized MES solutions or you can standardize your process by using powerful third-party applications from the MES experts at Sepasoft.





Standardizing Your MES Process

With pre-built applications for OEE (Overall Equipment Effectiveness) and downtime, track and trace, SPC (Statistical Process Control), recipes, changeover and more, the powerful suite of Sepasoft MES software modules offers a great option for those who are looking to standardize their MES process. The MES experts at Sepasoft built all their MES applications up to the rigorous ISA 95 standard for enterprise control-system integration. Choosing Sepasoft modules for your MES solution is a perfect option if you're looking for an out-of-the-box MES solution to standardize your operations enterprise-wide.

Customizing Your Own MES Solution

Using the power of the Ignition's Designer and core modules, you can develop your own MES solutions and customize it to fit your unique processes. This is a great option if you're looking to add basic MES functions such as tracking production and downtime, and adding MES dashboards to your existing SCADA system. Using this approach offers a huge amount of development flexibility and it's cost-effective because you can build your system as you go.





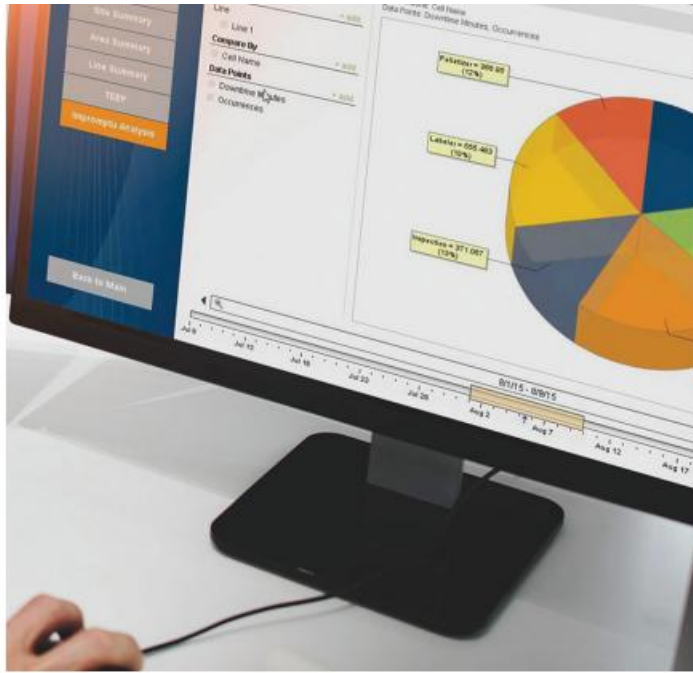
Improve Efficiency and Productivity

Ignition gives industrial organizations many ways to reduce unplanned downtime, cut waste, and increase productivity, which can save thousands of dollars of revenue. Find the vital information you need in seconds instead of hours so you can identify and eliminate inefficiencies quickly.

Connect to All Operational Data

Ignition software comes with a comprehensive set of tools for data acquisition, including built-in SQL-database integration and OPC UA for easy connectivity to practically any PLC through third-party OPC servers. Ignition can connect to virtually any industrial historian. Also, Ignition has software modules that enable connections to serial devices, such as scanners, scales, and sensors.





Flexible ERP Connectivity

With full SQL integration out-of-the-box, Ignition comes standard with the ability to seamlessly connect to any SQL database. Ignition also has the ability to enable connections to web services, including REST and SOAP. It's possible to connect to virtually any enterprise system, including ERP systems such as SAP, JD Edwards, and many more.

Create Dynamic MES Reports

Easily generate dynamic MES reports, like OEE, downtime tracking, production management, historical data analysis, quality assurance, and SPC. Instantly deliver your reports automatically to anyone you'd like.





Track and Analyze All Your MES Data

With Ignition, you can bring all of your important data together into robust enterprise dashboards with powerful visualization and analysis tools. By allowing you to turn raw data into actionable information and share it with your whole team, Ignition enables better decision-making across the enterprise.

More Features

Track and Analyze All Your MES Data

Bring all of your important data together into powerful enterprise dashboards.

Dynamic Reports

Create a full range of dynamic, data-rich reports and send them anywhere.

SCADA Alarming

Easily stay aware of what's happening at your facility, wherever you are.

Industrial Historian

Turn a SQL database into a high-performance time-series tag historian.

Easily Scalable

Scale from a single client installation to an enterprise-wide system with ease.

Store-and-Forward

Store-and-forward historical data so you never lose it.

Ignition Solutions

Mobile

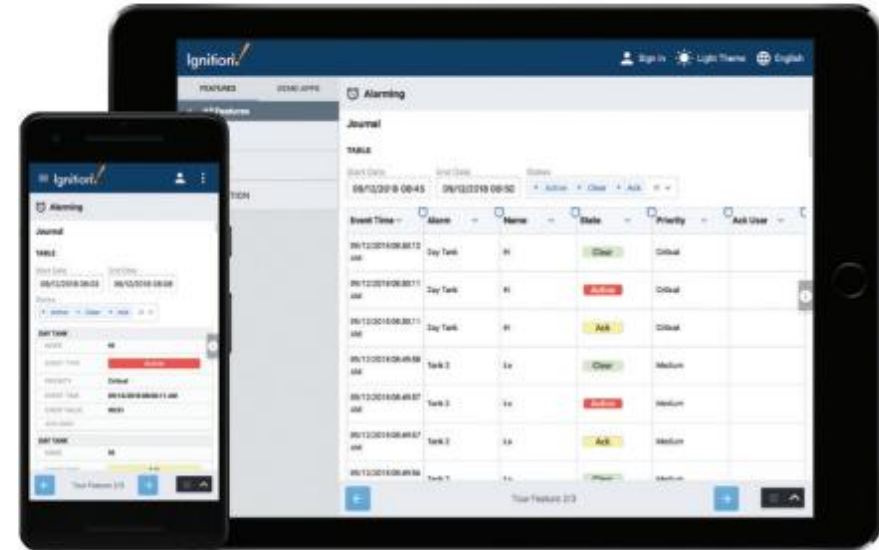
Ignition Perspective: The Plant Floor in Your Pocket

Bring new levels of visualization and accessibility to your industrial processes with the Ignition Perspective Module. Easily build full-fledged, mobile industrial applications in HTML5 for the monitoring and control of your process directly from your mobile phone. Whether for SCADA, HMI, or another purpose, the applications you build in Perspective will look beautiful, and run natively in any major browser.



Ignition Perspective Responds to You

Ignition Perspective is totally mobile-responsive. It automatically adapts to fit screens of any size, giving you a personalized view into your unique processes, optimized for whatever device you're using.

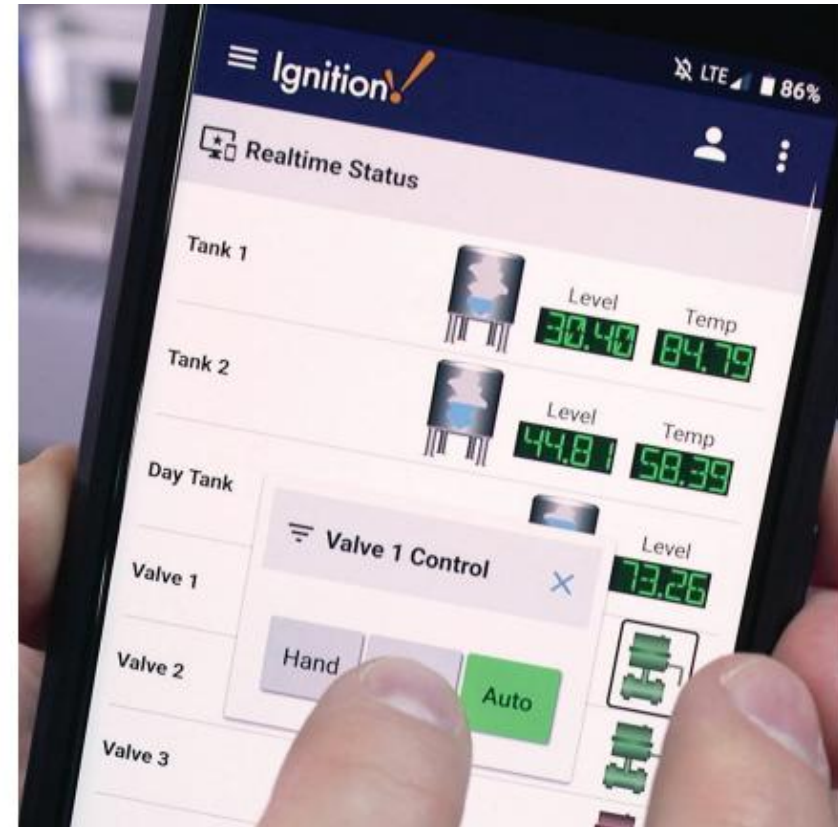


Design for Any Size of Screens

Streamline your development process with robust design components and features that enable you to design for mobile, desktop, and display screens all at the same time. With new mobile-optimized container types, you can easily customize the user experience in the Ignition Designer with a simple selection.

Real Control, With a Swipe

Ignition Perspective puts your plant operations at your fingertips. Visualize, monitor, and control systems with ease on your phone or tablet. See your whole system at a glance, and control your processes with intuitive touch commands. Experience complete, instantaneous plant-floor control with Perspective's bi-directional data binding.





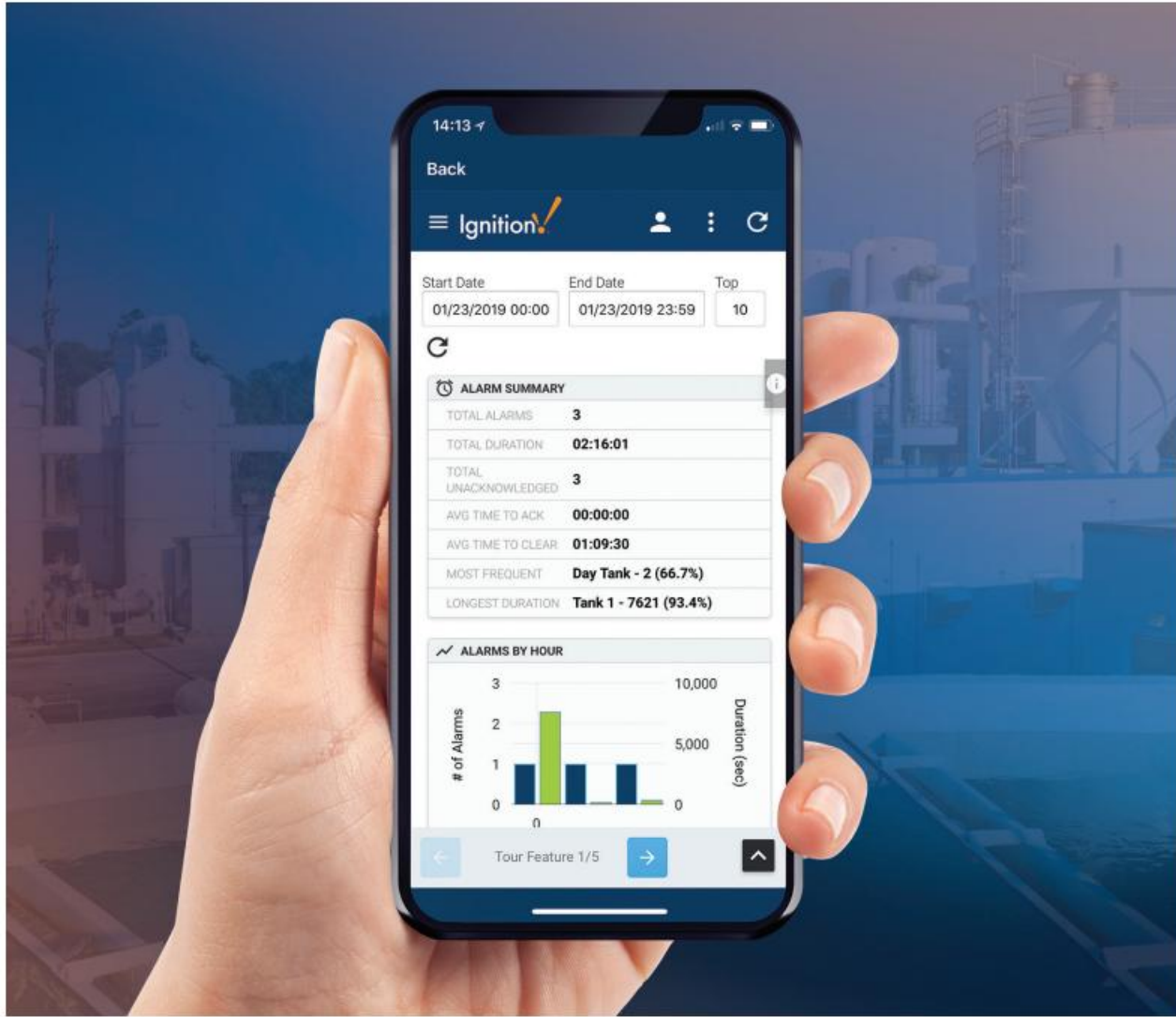
Add the Magic of Mobile to Your Applications

Harness the full power of your mobile device's GPS, accelerometer, camera, barcode scanner, touch gestures, and other sensors to create the next generation of smart industrial applications. With Perspective, you can add the ability in your project to take photos of a faulty machine, easily scan a QR code into your SCADA system, tag readings in the field with GPS, pinch and zoom around a map of your site, and much more. Perspective unlocks the power of your mobile phone to open up a new world of possibilities for your industrial applications.



Unlimited Accessibility

Ignition Perspective runs on any device with a browser, including phones, tablets, laptops, desktops, and TV screens. Deployment has never been easier — you can deploy an unlimited number of Ignition Perspective clients from any location with a single click. You can even send secure web links to your application that anyone can view in a web browser. Perspective is compatible with Chrome, Firefox, Safari, and Microsoft Edge, fully HTML5 and CSS3 compliant, and does not require Java installation or plug-ins.



More Features

Leverage CSS3 for Cross-Project Styling

Use strong and flexible CSS3 styles to change the appearance or position of anything in your application, and enable changes throughout the entire system.

Instantly Update Your Applications

Data is delivered directly to a Perspective application over a persistent communications channel so that any visualization or tag changes show up instantly in your application.

Use Any Major OS — Even iOS and Android

Ignition Perspective clients can run on any major OS and run natively on iOS and Android with the Ignition Perspective App.

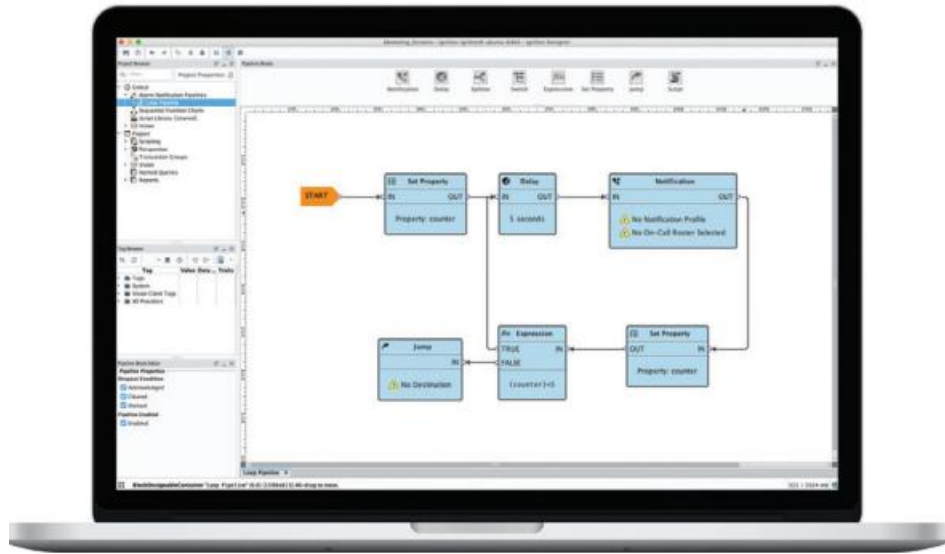
Ignition Solutions

Alarming

Build Advanced Alarming Systems with Drag-and-Drop Ease

Filter, escalate, and route alarms with drag-and-drop graphical pipelines. Produce comprehensive analytics and reports on alarms and user actions. Fast to install, easy to use, and infinitely scalable, Ignition is an unbeatable alarming solution at an incredible price.



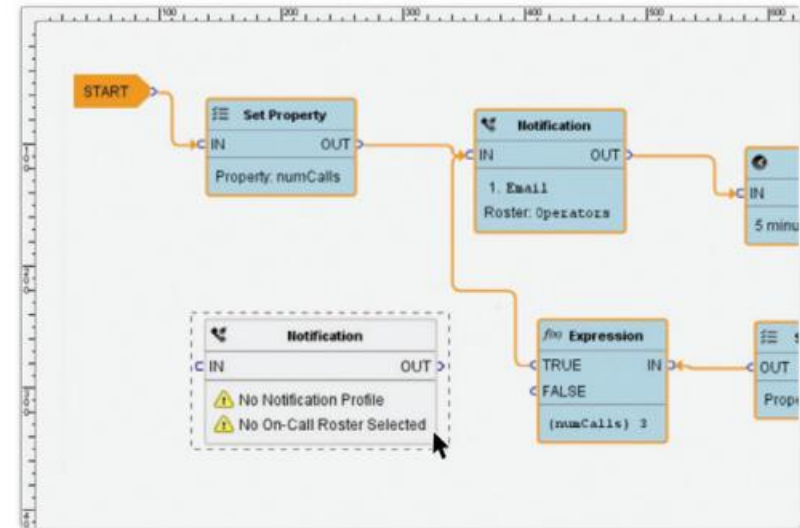


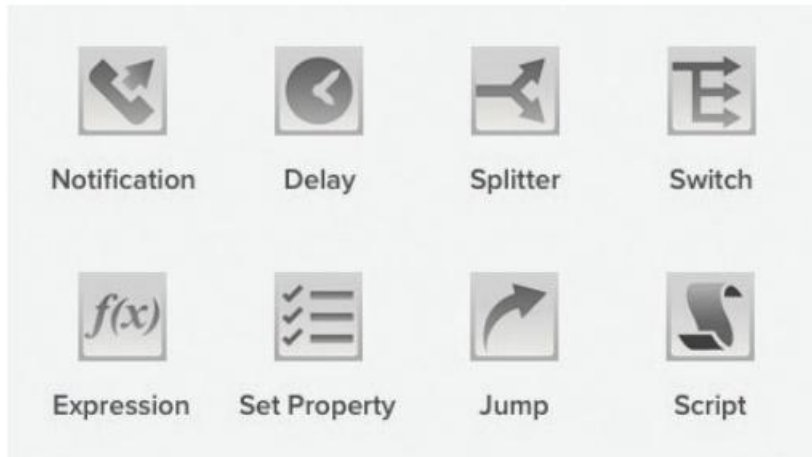
Build Any Kind of Alarming System

With powerful, easy-to-use tools for development and connectivity, Ignition is ideal for building virtually any kind of alarming system. Ignition is perfect for alarm notification, SCADA alarms, remote monitoring, and event notification.

Drag-and-Drop Alarm Notification Pipeline Builder

Quickly configure alarms, pipelines, or any other aspect of the system with drag-and-drop ease with Ignition's innovative graphical alarm notification pipeline builder. Even create and configure thousands of alarms simultaneously with multi-editing functionality.





Develop Advanced Notification Systems with Ease

With the freeform alarm notification pipeline builder, you can simply drag and drop blocks to create custom pipelines for conditional routing, splits, escalation, and multiple other alarm notification methods. Pipelines are instantiated per alarm and persistent so you never miss an alarm.

VoIP Support

Ignition supports VoIP, which is easy to install and use, Ethernet-based, and provides IP telephony capabilities for a fraction of the cost of a Dialogic card. If your organization already has a VoIP system, Ignition connects to it easily. Through VoIP, Ignition can connect to SIP Gateways, and Skype, providing budget-friendly options for voice, and text-based alarm notifications.



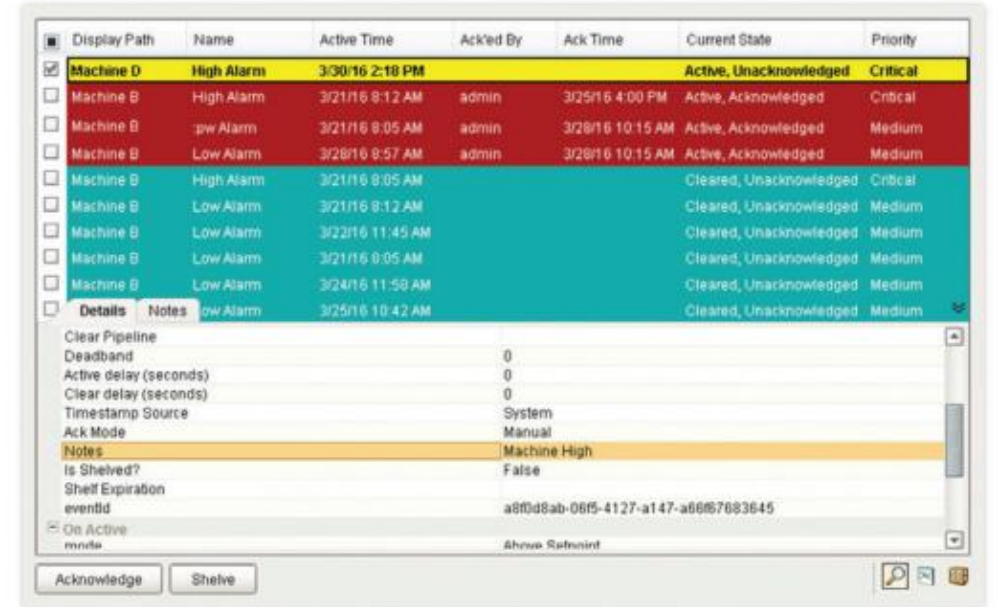


Reliable 2-Way Notification

Receive and acknowledge alarm notifications via email, voice (over VOIP), or text (Twilio). Separate notification pipelines are available for active, clear, and acknowledged alarm states and every step, action, and user reaction is logged and timestamped for accountability purposes.

Dynamic Customizable Alarms

Alarms support shelving, notes, separate pipelines for different alarm states, dynamic custom messages by alarm notification method, time and value deadbands, consolidation and more. Each alarm has multiple properties with values that can be assigned dynamically so you can customize your system. Customized alarms can be based on criteria such as users, schedules, tag type, and much more.



| Display Path | Name | Active Time | Ack'd By | Ack Time | Current State | Priority |
|---|------------|------------------|----------|------------------|-------------------------|----------|
| <input checked="" type="checkbox"/> Machine D | High Alarm | 3/30/16 2:18 PM | | | Active, Unacknowledged | Critical |
| <input type="checkbox"/> Machine B | High Alarm | 3/21/16 8:12 AM | admin | 3/25/16 4:00 PM | Active, Acknowledged | Critical |
| <input type="checkbox"/> Machine B | pw Alarm | 3/21/16 8:05 AM | admin | 3/28/16 10:15 AM | Active, Acknowledged | Medium |
| <input type="checkbox"/> Machine B | Low Alarm | 3/28/16 9:57 AM | admin | 3/28/16 10:15 AM | Active, Acknowledged | Medium |
| <input type="checkbox"/> Machine B | High Alarm | 3/21/16 8:05 AM | | | Cleared, Unacknowledged | Critical |
| <input type="checkbox"/> Machine B | Low Alarm | 3/21/16 8:12 AM | | | Cleared, Unacknowledged | Medium |
| <input type="checkbox"/> Machine B | Low Alarm | 3/22/16 11:45 AM | | | Cleared, Unacknowledged | Medium |
| <input type="checkbox"/> Machine B | Low Alarm | 3/21/16 8:05 AM | | | Cleared, Unacknowledged | Medium |
| <input type="checkbox"/> Machine B | Low Alarm | 3/24/16 11:50 AM | | | Cleared, Unacknowledged | Medium |
| <input type="checkbox"/> Machine B | Low Alarm | 3/25/16 10:42 AM | | | Cleared, Unacknowledged | Medium |

| | |
|--------------------------|-------------------------------------|
| Clear Pipeline | |
| Deadband | 0 |
| Active delay (seconds) | 0 |
| Clear delay (seconds) | 0 |
| Timestamp Source | System |
| Ack Mode | Manual |
| Notes | Machine High |
| Is Shelved? | False |
| Shelf Expiration eventId | a8f0d8ab-06f5-4127-a147-a6867683645 |
| On Active | |
| mute | Show Reconfirm |

Acknowledge Shelf



Build Fully Mobile-Responsive Alarming Applications

Get all the tools you need to build full-fledged, totally mobile-responsive alarming applications that put the full power to see and respond to alarm notifications right on your phone or mobile device. Ignition lets you leverage the power of your mobile device's intuitive touch inputs, sensors, cameras, and GPS to create the next generation of alarming applications. With Ignition, you can create pure-web alarming applications that use HTML5 and CSS3 to run natively inside any major web browser.

More Features

Mobile Clients Without Apps

See and acknowledge alarms, and more, from any mobile device — no app necessary.

Powerful Alarm Analysis & Reporting

Use powerful analysis and dynamic reporting tools to get the most of your alarming system.

Remote Alarm Provider

Send and acknowledge alarms from a remote location through a central Gateway.

Seamless Integration with Ignition SCADA

All Ignition solutions work seamlessly together for easy system integration.

Instant Installs and Updates

Install on a server in just 3 minutes; push updates to clients everywhere, instantly.

Totally Cross-Platform

Works on Windows, macOS, Linux and more.

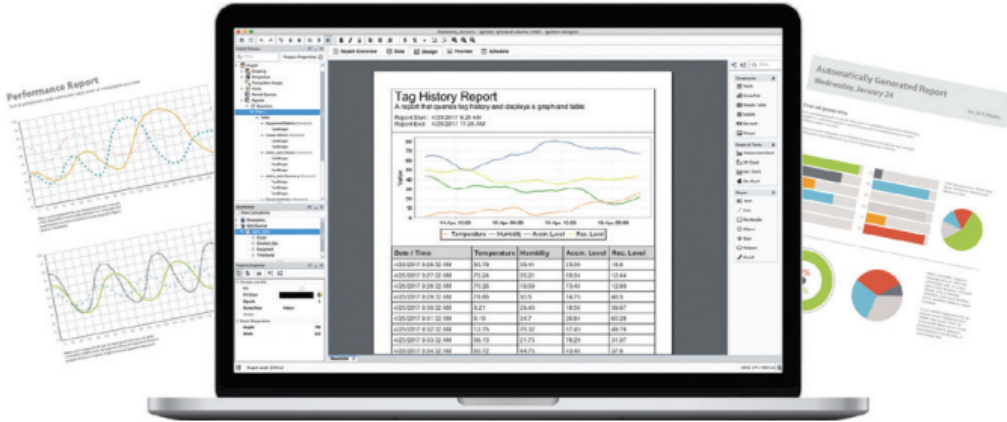
Ignition Solutions

Reporting

Easily Create Dynamic, Database-Driven Industrial Reports

With Ignition, you can easily pull together all your data and create any kind of industrial report with ease. With powerful tools for visualization and more, create reports in any major format and automatically deliver them to anyone.



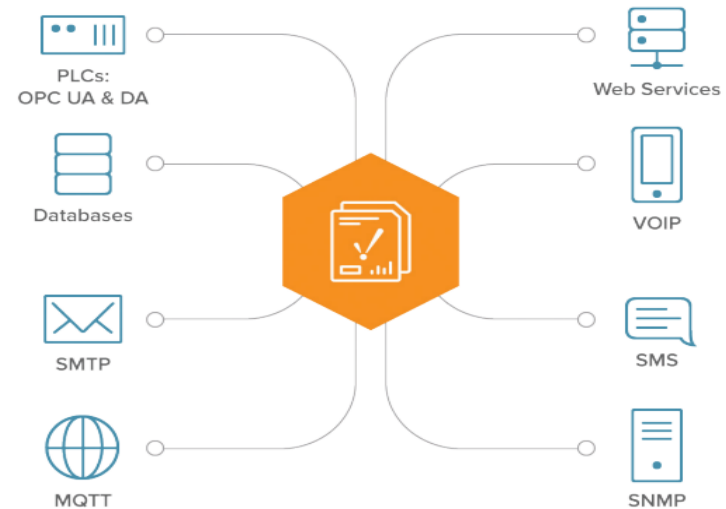


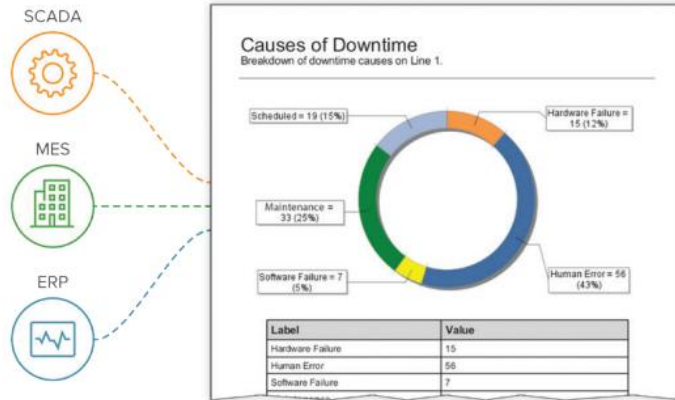
Build Any Kind of Industrial Report

With powerful, easy-to-use tools for building dynamic, database-driven PDF reports with pixel-perfect layouts, Ignition is perfect for creating virtually any kind of industrial report, including: SCADA reporting, industrial project reports, production management reports, OEE and downtime tracking, SPC reports, QA reports, compliance reports, historical data analysis reports, and more.

Connect to All Your Data

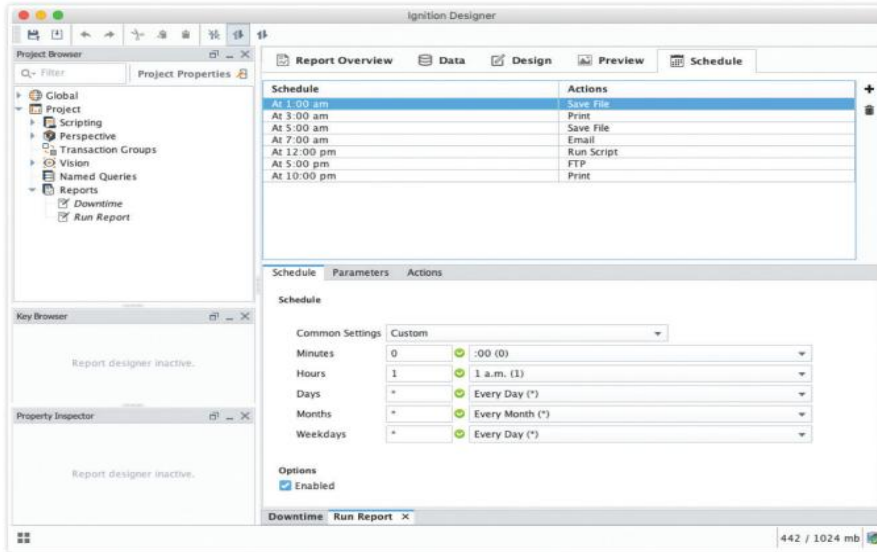
Ignition is a cross-platform communications hub built on trusted IT standards so it can connect to all your data. Ignition has full SQL-database integration built right in, and it can connect to practically any PLC through OPC UA, and to ERP systems through web services, so you can access data from virtually any industrial device or enterprise system. Plus, Ignition comes standard with unlimited tags, and device and database connections, so you won't break the bank doing it.





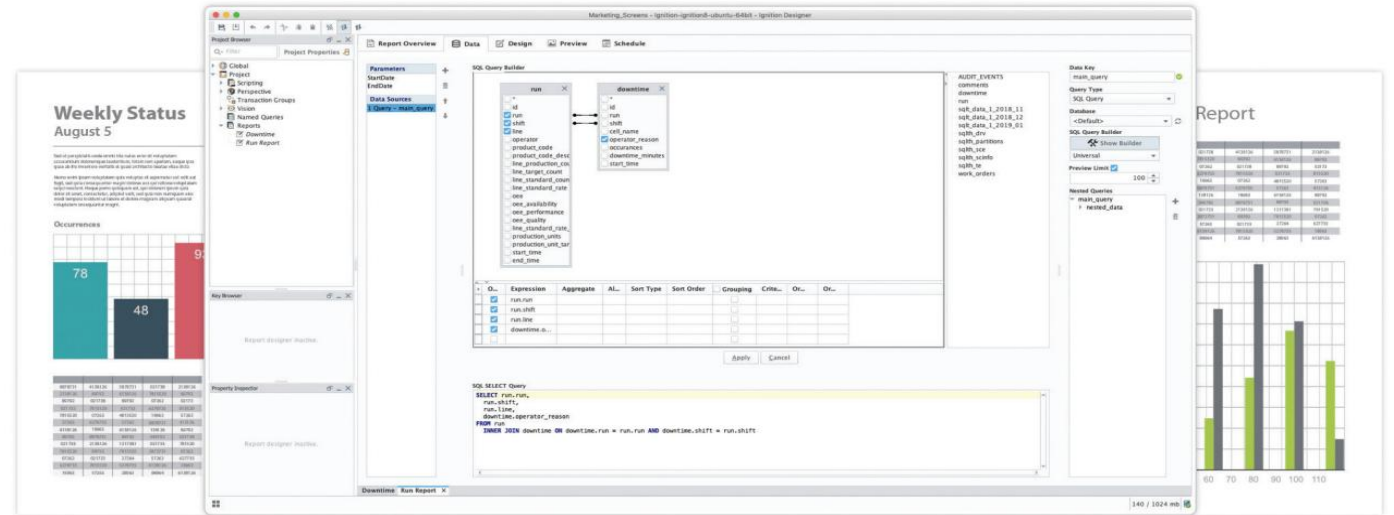
Combine All Your Data Together

Ignition combines all your data from multiple sources — SCADA, MES, ERP, and more — with powerful report-building tools into one integrated development environment. Pull together and combine your data from across your enterprise into one report, so you can see and stay connected with your processes like never before.



Easily Set Up Automatic Reporting

In addition to running reports on-demand you can also easily schedule reports to run automatically on event triggers, whether or not your client is open. You can also schedule reports to be delivered automatically via print, email, or as a file to save or upload to a chosen location.



Get Incredible Insights with Query Tools

Ignition empowers you to ask your data more questions, which leads to better-informed decisions. Build complex SQL queries easily using the drag-and-drop query interface. Also, its query structure lets you correlate relational data and process-historian data seamlessly.



Build Fully Mobile-Responsive Reporting Applications

Get all the tools you need to build full-fledged, totally mobile-responsive reporting applications that put the overview and analysis of your plant floor right on your phone or mobile device. Ignition lets you leverage the power of your mobile device's intuitive touch inputs, sensors, cameras, and GPS to create the next generation of reporting applications.

More Features

Export to Any Format

Easily export reports in PDF, HTML, CSV, RTF, JPEG, PNG, and XML file formats.

Backwards-Compatibility

Easily import existing reports and convert legacy reports.

Seamless Integration with Ignition SCADA

All Ignition solutions work seamlessly together for easy system integration.

Ignition Solutions

Edge Computing

Data Collection and HMI Software for the Network's Edge

Capturing and visualizing critical data at the remote edge of the network can be difficult and expensive. Ignition Edge by Inductive Automation® is a line of lightweight, limited, low-cost Ignition software solutions designed specifically for embedding into field and OEM devices at the edge of the network.





Install on Virtually Any Device

The Ignition Edge solutions work on Linux, any version of Windows, on macOS, and more, so you can install them on virtually any industrial device, even on a Raspberry Pi. With support for ARM processors, Ignition Edge can also run on the latest generation of edge-of-network devices.

Access Data from PLCs & OPC UA Servers

For easy PLC connections, all Ignition Edge solutions come with unlimited tags and are equipped with OPC UA, along with drivers for Modbus, TCP, and Siemens, and the Allen-Bradley suite of drivers. Other drivers supported by Ignition, such as DNP3 and Modbus RTU, can be added onto Ignition Edge solutions for an additional cost.

Poll Data at the Source

Ignition Edge makes edge computing easy. Install Edge right onto, or next to, devices on the plant floor or in the field so you can process data as close to the source as possible. This allows you to make device data the one source of truth, improving data reliability and reducing latency.

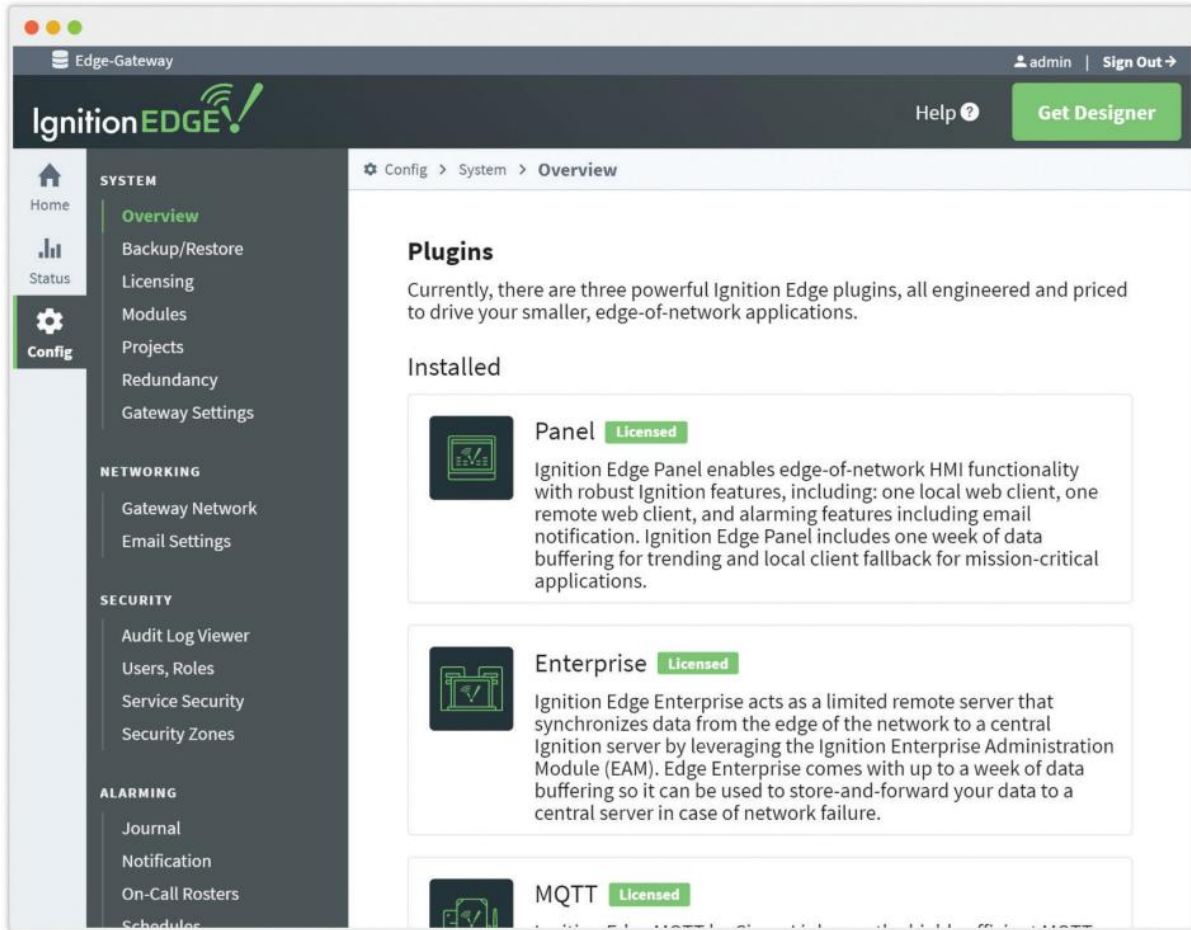


Ignition Edge is powerful, MQTT-enabled, and designed specifically for embedding on industrial devices. That's why a growing number of OEMs offer products that come standard with Ignition Edge onboard.

Companies Onboard with Ignition Edge

These vendors pre-install Ignition Edge software on select products.





The screenshot shows the Ignition EDGE web interface. The top navigation bar includes the Ignition logo, user information (admin), and a 'Sign Out' link. A 'Get Designer' button is visible. The left sidebar contains navigation options for SYSTEM, NETWORKING, SECURITY, and ALARMING. The main content area is titled 'Overview' and lists installed plugins:

- Panel** (Licensed): Ignition Edge Panel enables edge-of-network HMI functionality with robust Ignition features, including: one local web client, one remote web client, and alarming features including email notification. Ignition Edge Panel includes one week of data buffering for trending and local client fallback for mission-critical applications.
- Enterprise** (Licensed): Ignition Edge Enterprise acts as a limited remote server that synchronizes data from the edge of the network to a central Ignition server by leveraging the Ignition Enterprise Administration Module (EAM). Edge Enterprise comes with up to a week of data buffering so it can be used to store-and-forward your data to a central server in case of network failure.
- MQTT** (Licensed): [Description partially obscured]

Ignition Edge Solutions: Mix and Match 3 Ignition Edge Solutions



Ignition Edge MQTT by Cirrus Link:

Turn any device into an edge gateway that publishes data to an MQTT broker.



Ignition Edge Panel:

Create a standalone HMI at the edge of the network with a one-week data buffer.



Ignition Edge Enterprise:

Use as an Agent Gateway that can synchronize data to a central Ignition Gateway.

Ignition by the Numbers

Thousands of companies worldwide in a wide variety of industries depend on Ignition every day.

48%

Fortune 100 companies
using Ignition

- Thousands of installations in 100+ countries
- 1,900+ integrators worldwide

100+

Countries with
Ignition installations

- 28% of Fortune 500 companies use Ignition
- Highly diversified customer base across many industries

15+

Years in
the industry

- Inductive Automation has about 100 employees
- Profitable every year since 2008
- No outside investors

Top Industries



Food & Beverage



Manufacturing



Oil & Gas



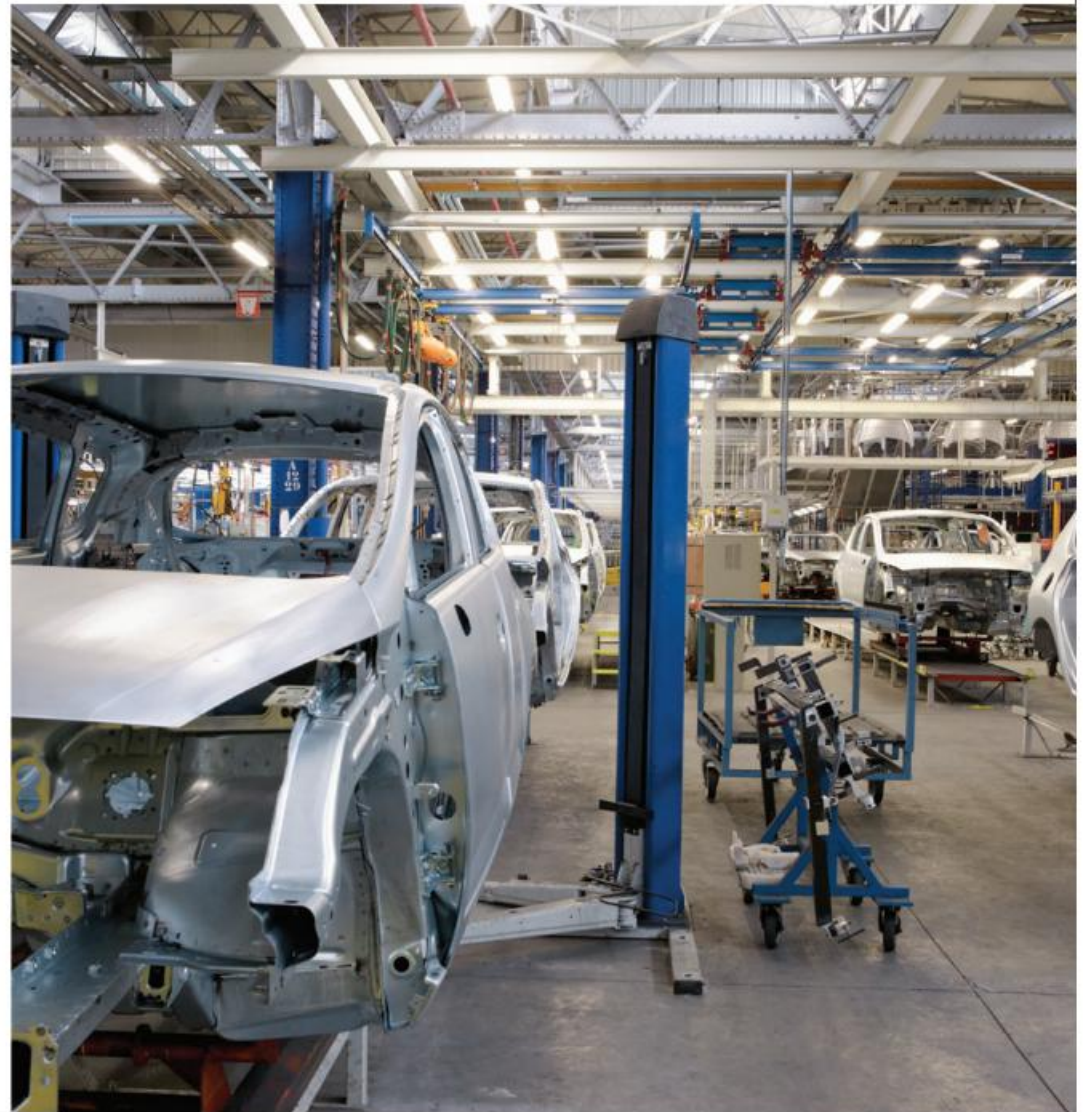
Water &
Wastewater



Transportation







Transparent Pricing. Flexible Options.

Starting as Low as \$3,018 USD

Ignition® is sold by the module, so you only pay for the functionality you need.

Build your own module package, customize an existing package, or get personalized advice on a solution tailored to your needs.



Build Your Own Package

Select the exact modules you need to build the package you want.



Browse Unlimited Packages

Choose from several packages we've pre-selected to fit a variety of needs.



See the Enterprise Starter Package

Get the modules needed to deploy a SCADA solution across three sites at one low price.



Unlimited Innovation = Unlimited Savings

With limitless tags, clients, and connections for the affordable cost of one server license, companies can put more time and money into innovating cost-saving solutions instead of exorbitant software costs.

Pay Only for What You Need

Ignition is modular, so you only need to pay for the functions you need. This approach makes it easy and affordable to build the exact system you need and buy new features only if and when you need them.





Ignition Platform

The Ignition platform is the foundation for every Ignition system; it includes [powerful features](#) and [core drivers](#) to connect all your industrial data and devices into one central hub.



Unlimited Tags

Use as many tags as you need for devices, databases, and anything else.



Unlimited Designer Clients

Get your whole team to develop projects, even at the same time.



Powerful Connectivity

Connect to any major PLC and database with built-in SQL database connectivity and the included [OPC UA Server Module](#) and core drivers.

Included Core Drivers

[Modbus Driver](#), [UDP and TCP Driver](#), [BACnet Driver](#), [Allen-Bradley Driver Suite](#), [Siemens Driver Suite](#), [DNP3 Driver](#), [Omron Driver](#), [IEC 61850 Driver](#), [Mitsubishi Driver](#)

Platform Pricing

Platform pricing is added automatically to all quotes except Ignition Edge.

\$1,100

Visualization

Ignition has two visualization modules, Vision and Perspective; which one is right for you?

[Learn more.](#)



Perspective Module Unlimited

Unlimited ?

Easily build cutting-edge, modern industrial applications and freely deploy them to any web browser, mobile device, or desktop computer.

Perspective Applications

Perspective applications can be deployed directly to a web browser, or can leverage native applications for a richer experience on mobile and thick-client devices.



\$11,225



Vision Module Unlimited

Unlimited ?

Build and web-launch industrial clients anywhere on the network.

\$7,680



Web Browser Module

Embed a web browser component into a Vision application.

\$650



Reporting Module





Create dynamic, database-driven PDF reports.

\$3,900







Data & Logic

Modules that help you record data, integrate PLCs and SQL, and program logic systems.

| | |
|---|--|
|  SQL Bridge Module ▼ Integrate PLCs and SQL databases in unlimited ways. | \$2,245 <input type="checkbox"/> |
|  Tag Historian Module ▼ Turn a SQL database into a high-performance tag historian. | \$2,365 <input type="checkbox"/> |
|  Sequential Function Charts (SFC) Module ▼ Build robust logic systems. | \$3,760 <input type="checkbox"/> |
|  Web Development Module ▼ Program against the web server inside the Ignition Gateway. | \$1,890 <input type="checkbox"/> |

Alarm and Notification

Modules that help you build your ideal alarm system and get notifications anywhere.

| | |
|--|--|
|  Alarm Notification Module ▼ Configure and manage notifications systems and email notifications. | \$2,245 <input type="checkbox"/> |
|  Voice Notification Module ▼ Notify users of alarms via a phone call. | \$945 <input type="checkbox"/> |
|  SMS Notification Module ▼ Notify users of alarms via text message. | \$945 <input type="checkbox"/> |
|  Twilio Notification Module ▼ Integrate notification systems with Twilio. | \$590 <input type="checkbox"/> |

Enterprise

Get your whole enterprise connected with Ignition.



Enterprise Administration Module

Single Controller or Agent ?

Monitor, commission, and deploy systems from one central gateway.

\$1,595



More Connectivity

Additional modules and drivers to help connect data sources to your Ignition platform.



OPC COM DA Module

DA Only ?

Connect to classic OPC servers using DCOM.

\$475



Serial Module

Send and receive information over a serial port.

\$415



SECS/GEM Module

Communicate with semiconductor fab equipment.

\$1,060
(Single-tool)



MongoDB Module

Connect to MongoDB for flexible document data models and a NoSQL database.

\$850



Cirrus Link Opto 22 groov Epic SNAP PAC Driver

Connect to SNAP-PAC-R1 & R2, SNAP-PAC-S1 & S2, SOFTPAC, & GRV-EPIC-PR1.

\$250



Cirrus Link EFM Emerson ROC Driver

Connect to Emerson ROC 107, 300 & 800 Series flow computers.

\$1,325



Cirrus Link EFM ABB Totalflow Module







Connect to G2 Late, G3, G4 Early, G4 Late, and G5 series flow computers.

\$1,325



Cirrus Link IIoT Modules for Ignition

Cirrus Link Solutions is a strategic third-party module partner of Inductive Automation with years of experience developing top-quality IIoT solutions. With software modules for transmitting data from the field via MQTT, launching an MQTT server in the cloud, and connecting that data to industrial and business applications, the Cirrus Link IIoT modules for Ignition empower

| | | |
|---|--|---|
|  | Cirrus Link MQTT Engine Module ▼ Bidirectionally communicate with edge devices via an MQTT Server. | \$2,000 <input type="checkbox"/> |
|  | Cirrus Link MQTT Distributor Module ▼ Standard ▼ ? An MQTT server to connect, publish, and subscribe to device data. | \$3,125 <input type="checkbox"/> |
|  | Cirrus Link MQTT Transmission Module ▼ Publish data from the edge of the network. | \$1,450 <input type="checkbox"/> |
|  | Cirrus Link AWS Injector Module ▼ Send Ignition tag data into the Amazon Web Services (AWS) cloud. | \$3,900 <input type="checkbox"/> |
|  | Cirrus Link Google Cloud Platform Injector Module ▼ Send Ignition tag data into the Google Cloud Platform. | \$3,900 <input type="checkbox"/> |
|  | Cirrus Link MQTT Recorder Module ▼ Record objects via MQTT and automatically create database tables. | \$10,500 <input type="checkbox"/> |



Edge Computing

Ignition Edge® is our line of software products designed specifically for embedding into field and OEM devices at the edge of the network. Each Edge product includes limited versions of certain Ignition modules, bundled together to perform a specific function.

What's the Difference Between Edge and Standard Ignition?

The capabilities of Ignition Edge are more limited than those of the standard Ignition platform. Edge has no database connectivity and comes with 35 days of internal data storage for historical and event logging. Edge only allows for one tag provider, can only run one Ignition project at a time, and does not run standard Ignition modules.

[Learn more about Ignition Edge](#)

| | | |
|---|--|--|
|  | Ignition Edge IIoT NEW ▼ Ignition Edge IIoT turns a field device into an MQTT-enabled edge gateway and an EAM agent gateway. It also enables scripting and remote data synchronization at the edge. | \$900 <input type="checkbox"/> |
|  | Ignition Edge Panel NEW ▼ Add local visualization and control at the edge with powerful HMI software for field devices that can publish data and sync with a central Ignition system. Edge Panel includes all the features of Edge IIoT plus local visualization functionality for your HMIs using Perspective (2 sessions) or Vision (1 local client, 1 remote client). | \$1,850 <input type="checkbox"/> |

Redundancy

Add a redundant server to your package.



Add Redundant Licensing to all Modules

Add a redundant backup gateway to protect your system from downtime caused by system failure. The backup gateway takes over within seconds so you don't miss any critical data. Vision clients seamlessly failover to the backup gateway and data collection continues. The backup gateway needs the same modules as a primary gateway, but each is sold at 50% off.

+50%



Support Options

Pick a support plan to get expert support and unlimited upgrades.

[Watch the video](#)



PriorityCare

PriorityCare is our new premium support offering, providing unlimited phone, email, and web support at our highest priority level during business hours. In addition to priority treatment, you also get Upgrade Protection, which includes unlimited free upgrades to purchased Ignition modules throughout the life of your Support Plan.

+ 24%
Annually



TotalCare

TotalCare is our flagship support product, offering phone support during business hours, email, and web support throughout the year. All of this is built on top of Upgrade Protection, which includes unlimited free upgrades to purchased Ignition modules while your Support Plan is active.

+ 20%
Annually



BasicCare

BasicCare is the starting point for protecting your software investment. BasicCare comes with Upgrade Protection which includes unlimited free upgrades to purchased Ignition modules throughout the duration of the Support Plan. The Upgrade Protection component alone provides significant ROI; however, you also receive unlimited email and web support throughout the year.

+ 16%
Annually



Decline Support and Upgrade Protection

After 90 days, support is limited to resources that are freely available to the public, such as the Inductive Automation Forum, Ignition User Manual, Inductive University, and Ignition Knowledge Base. By declining a support plan, you will not be able to upgrade to the next major version of the software without paying 65% of the software's current retail price.

\$0



Ignition Core Training Overview

Ali Tajalli is conducting this 5-day training course covering the core features of Ignition by Inductive Automation. Whether you are a new user of Ignition or an existing user looking to discover the full breadth of Ignition's capabilities, this is the course for you! You will get an in-depth look at the architecture of Ignition, involving the interactions between PLCs and SQL databases. You will learn how successful projects are planned and executed from start to finish. Both Vision and Perspective will be used in class for HMI design.

The curriculum includes lectures, demonstrations, lab work, lab reviews, and the creation of a live project that gives each student hands-on experience with all major features of Ignition. The format of the course encourages students to ask questions relevant to specific projects they have planned.



IGNITION CORE TRAINING

Topics that will be covered:

- Architecture
- Installation
- Connect to PLCs and SQL Databases
- Ignition Tags (OPC, Memory, Expression, Complex UDT)
- Tag Historian
- Transaction Groups
- Vision Clients, Windows, & Navigation
- Components, Properties, and Bindings
- Visualization Templates and Indirection
- Alerting and Notification
- Security & Authentication
- Scripting
- Perspective Pages, Views, & Components
- Reporting
- And more...

Registration Fee Details

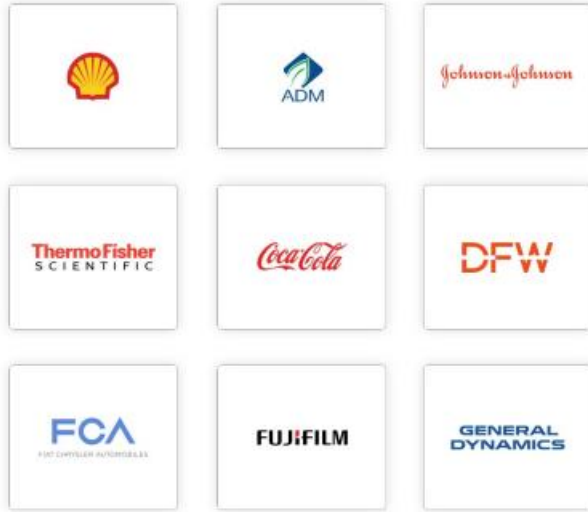
\$ COST

\$2,750 USD (single attendee or first attendee in a group)

\$2,200 USD (additional attendees in a group)

The standard workshop fee is \$2,750 USD.

- Included in the registration fee are the use of a classroom laptop, all class materials, lunch each day of training, refreshments throughout the class (coffee, soft drinks, snacks), and a few evening activities. All travel costs are the responsibility of each participant.



Trusted by Manufacturing Companies Everywhere

Ignition is trusted by some of the biggest industrial organizations in the world to run their mission-critical systems. With thousands of active Ignition deployments around the world, including installations with 54% of the Fortune 100 companies, Ignition is plant-floor proven and trusted by enterprises of all sizes to get the job done.

Ignition! 8.1

To discover what Ignition can do for your company, visit:
inductiveautomation.com

Some of the companies that depend on Ignition:



Platform Specs and Requirements

Supported Operating Systems

Windows Server 2016/2019
 Windows 10
 macOS (10.14+)
 Linux (Support for popular distributions, tested with Ubuntu 18.04)

Supported Databases

Microsoft® SQL Server
 Oracle
 MySQL
 MariaDB
 PostgreSQL
 Any database with a JDBC driver

Requirements

Dual-core processor
 4 GB RAM
 10 GB free HD space
(Requirements vary by usage.)



Try the Online Ignition Demo Now!

Scan this QR code with your phone or visit demo.ia.io



inductiveautomation.com