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.

"Ignition 8.1 is a milestone for Inductive Automation and for Ignition. It represents our full vision of what The New SCADA could be, and is the platform that all of our customers will want to leverage for their next generation solutions."

– Steve Hechtman
CEO & Founder, Inductive Automation

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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.
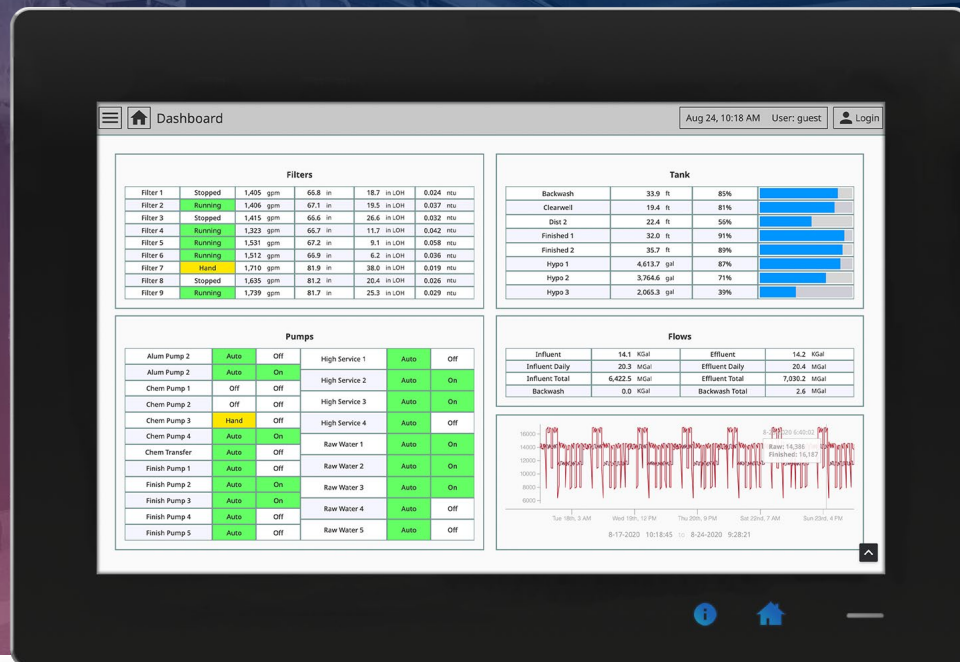
A New Perspective for the Plant Floor

With Perspective, you can create beautiful, mobile-responsive industrial applications that run natively on any mobile device and web browser. Now, with the new Perspective Workstation, you can instantly web-deploy native applications to any HMI, desktop, workstation, and multi-monitor configuration without the need for a third-party web browser.
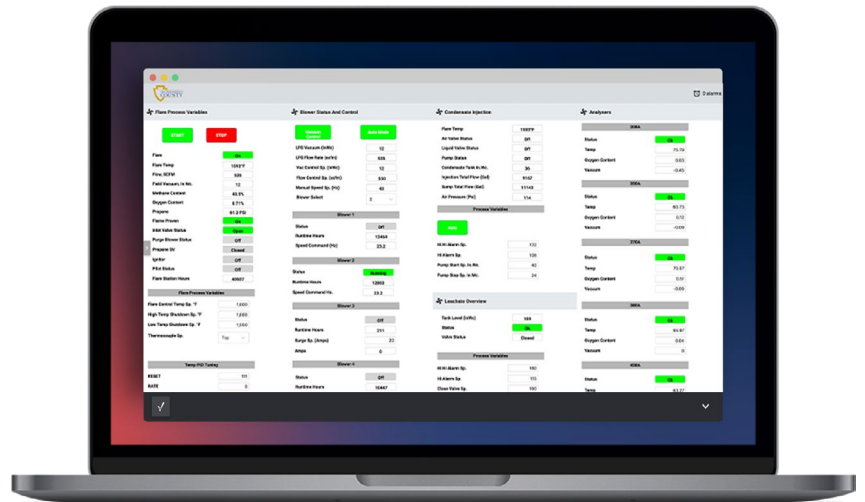
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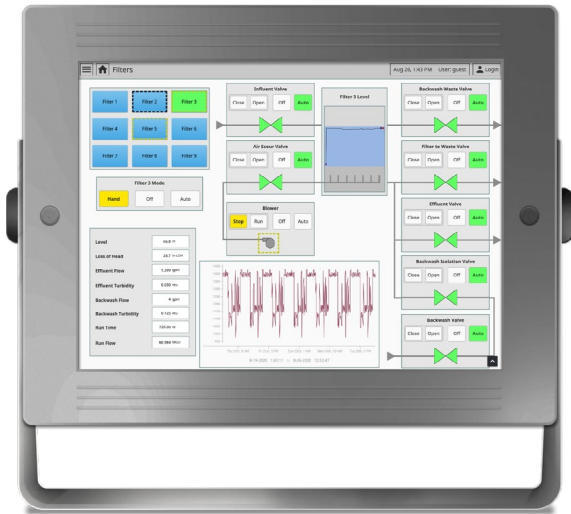
Run in Full-Screen Kiosk Mode

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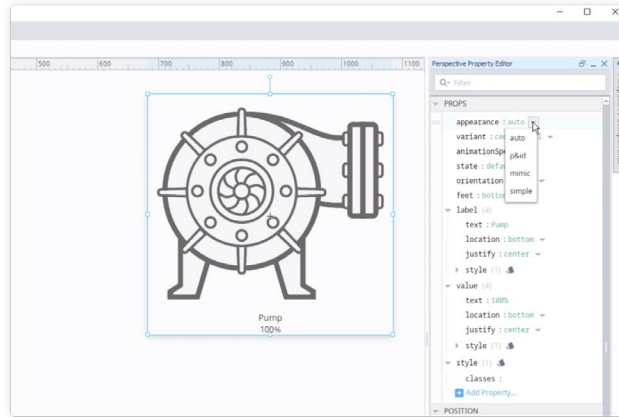

Screens courtesy of Corso Systems

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.

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.

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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.
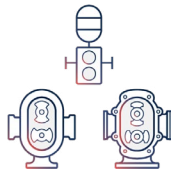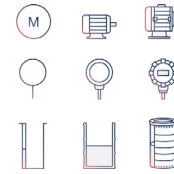

Three Distinct Styles

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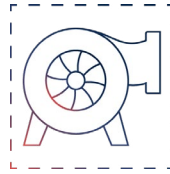
Customize Your Symbols

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.


"We were able to build a fresh, responsive display that would look amazing on any device, and that could scale massively."

– Sam Burns
Control Systems Engineer, ESM Australia

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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.
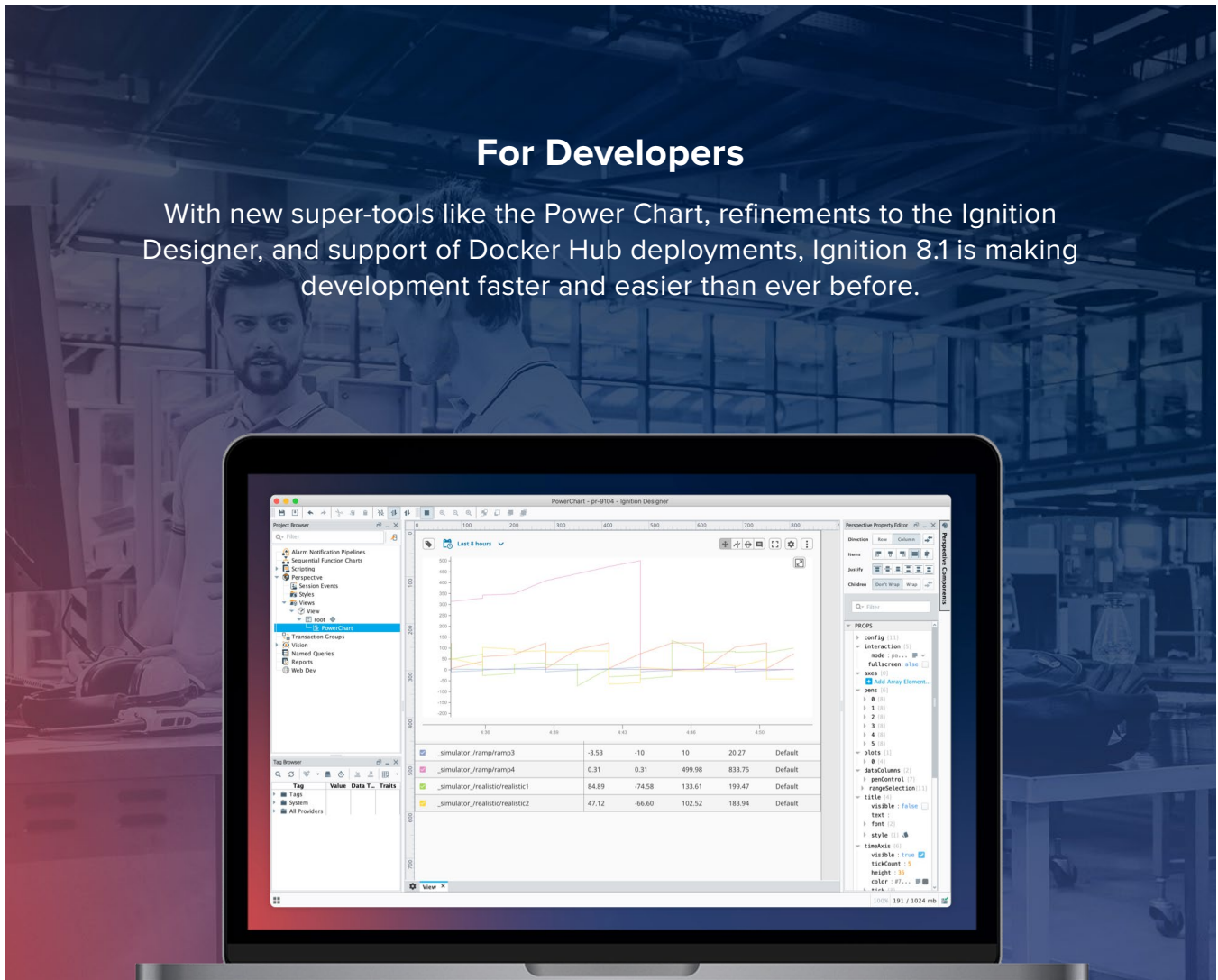

Add Powerful Ad Hoc Charts to Your Projects Instantly

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.

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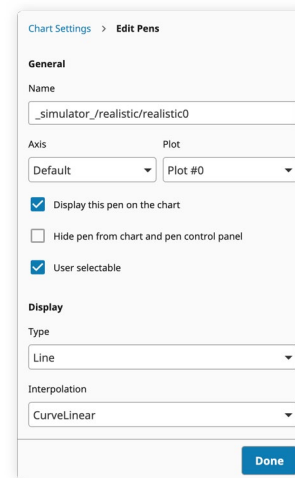
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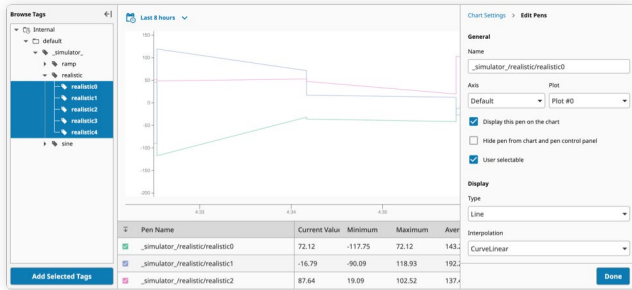
Tag Browser Built Right In

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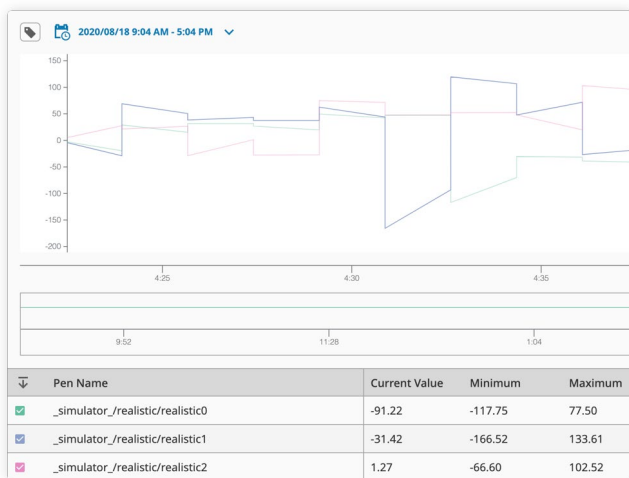
Data-Driven Table

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.

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.
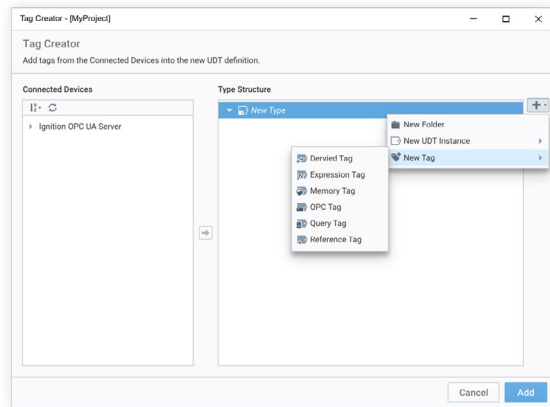

Browsing is a Breeze

In 8.1, we've refreshed the tag browser to make adding new tags to your project even easier and quicker than before. Tags are also easier to organize with new custom icons that identify tag types.

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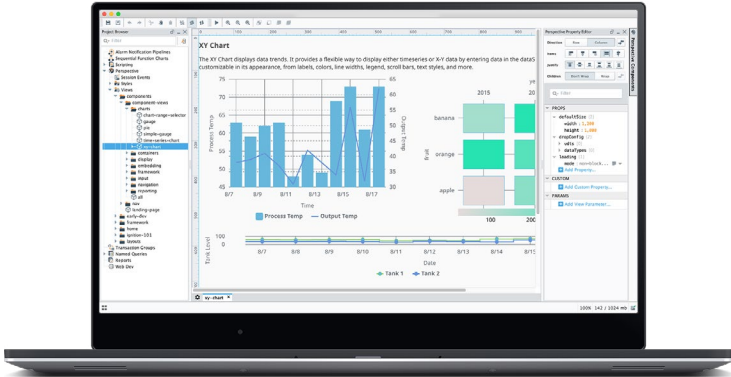by inductive automation

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For New Users

Ignition 8.1 is packed with new features that make it easier than ever for new users to create powerful and dynamic applications from scratch.
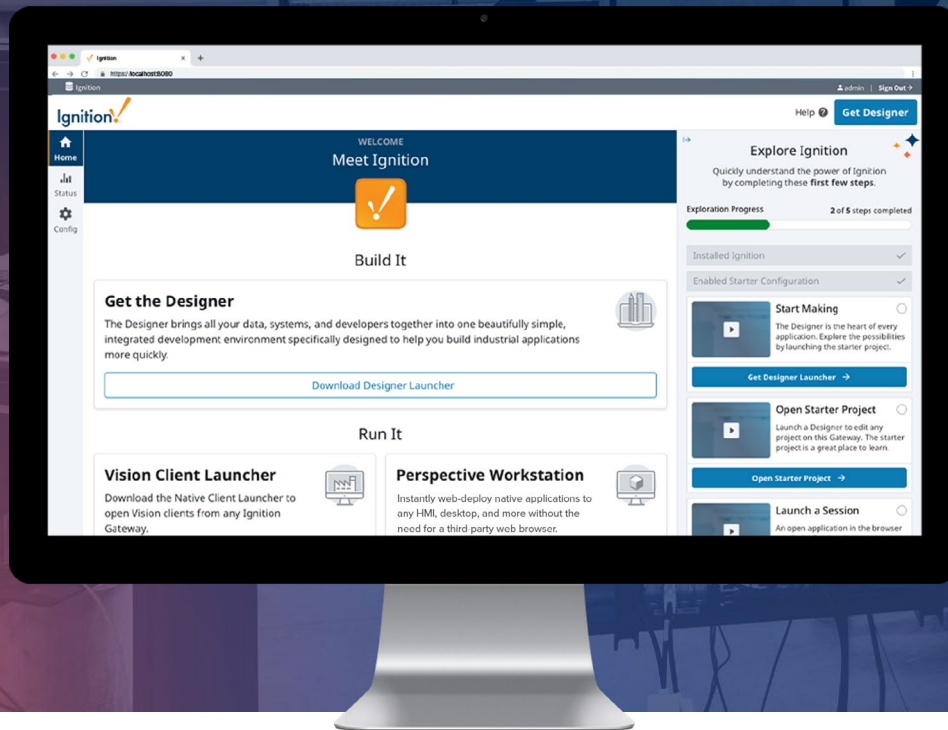
Hit the Ground Running with Quick Start

To help Ignition newcomers get up and running fast, we are introducing a feature called Ignition Quick Start. The Quick Start option provides simple tutorials and automatic configurations to set up things like security, connections to external devices, and databases faster than ever.

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Learn by Deconstructing

Quick Start comes with a pre-configured sample project that includes core Ignition features for you to use, break apart, add to, and more to help you better understand and visualize Ignition.
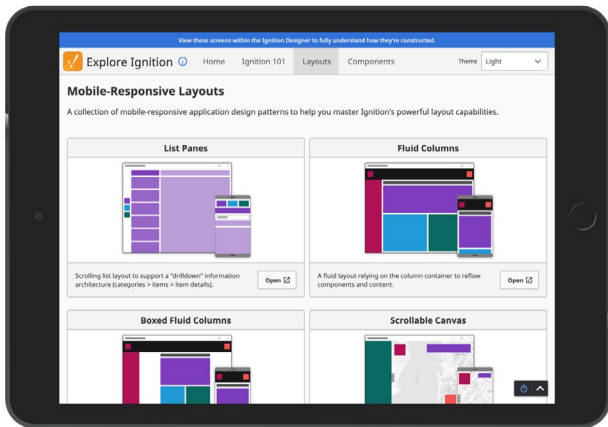
Explore Advanced Features

Learn about concepts like screen layout, components, and Python scripting.
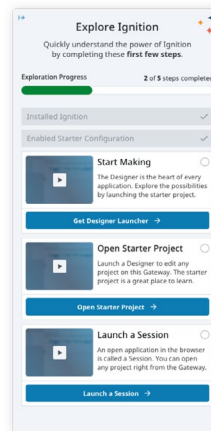
Follow Tutorials in the Gateway

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

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Fast-Track Your Ignition Project Work

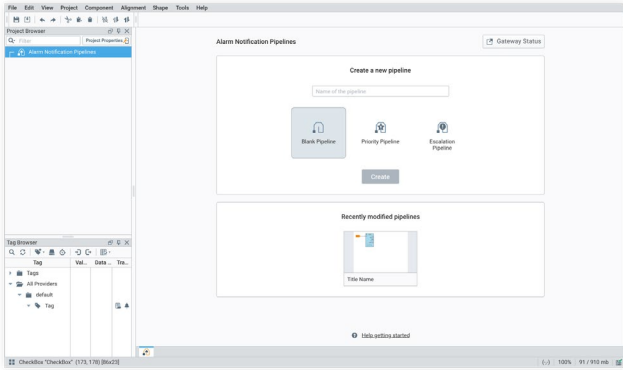Developing projects is now even faster with the many shortcuts we've added across the Designer in Ignition 8.1. Instead of starting with a blank workspace when creating a new project resource, you'll now have access to clickable shortcuts for things like new Perspective resources, alarm pipelines, transaction groups, and more. Jump right in and start developing your project quickly!

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!

"Using Ignition we were able to build a flexible, well-tested, highly resilient SCADA platform…meeting both the business requirements and IT requirements in terms of availability, security, and integrations…"

– Li Lu
IT Project Manager, Dublin Airport

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.
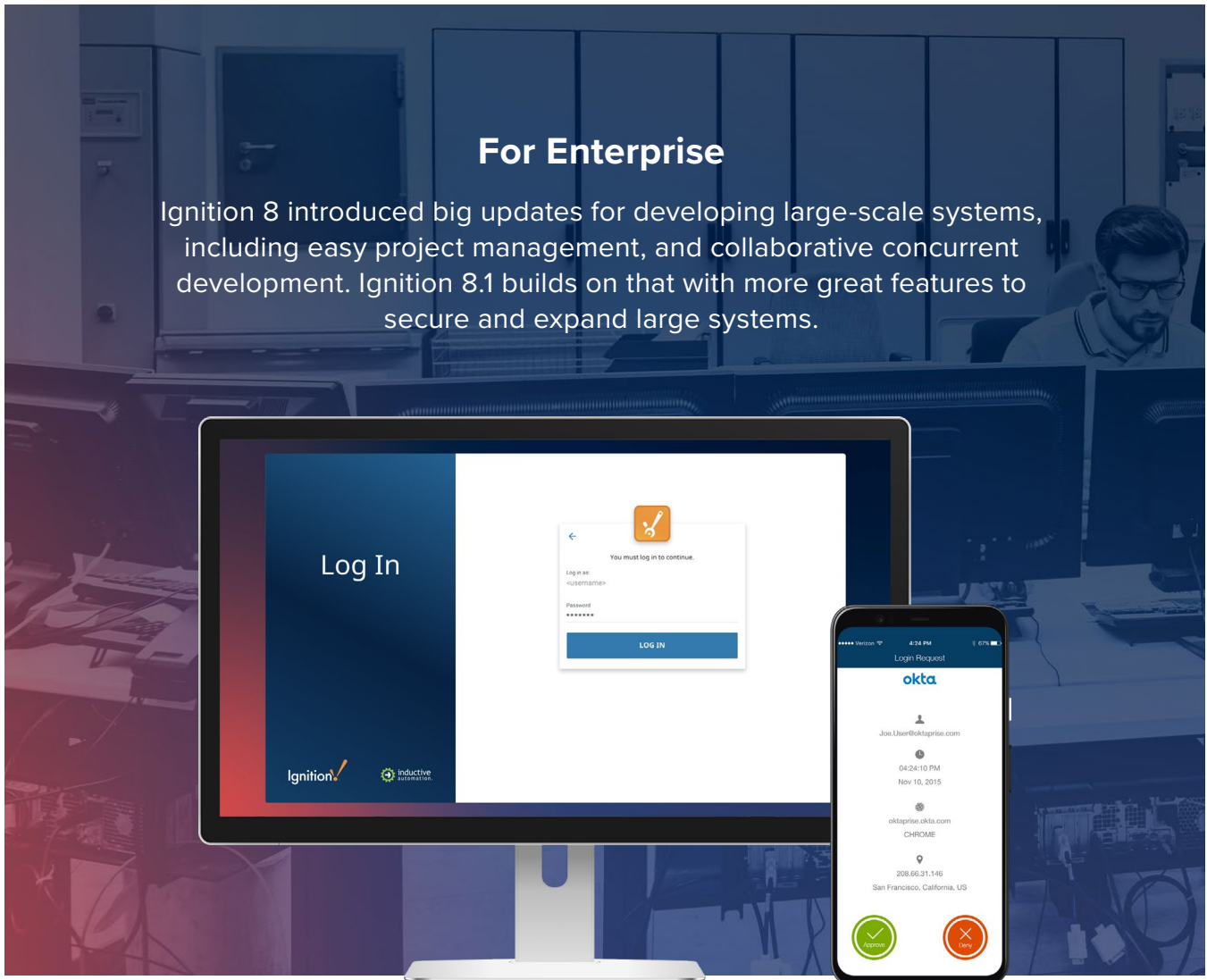
Add SSO and MFA Security to all Your Ignition Projects

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.

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Integrate with Corporate Network Security

Ignition integrates with corporate network security using Microsoft Active Directory™.
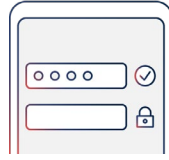
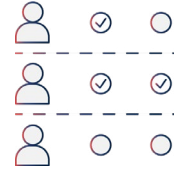### Use Trusted Identity Management

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.
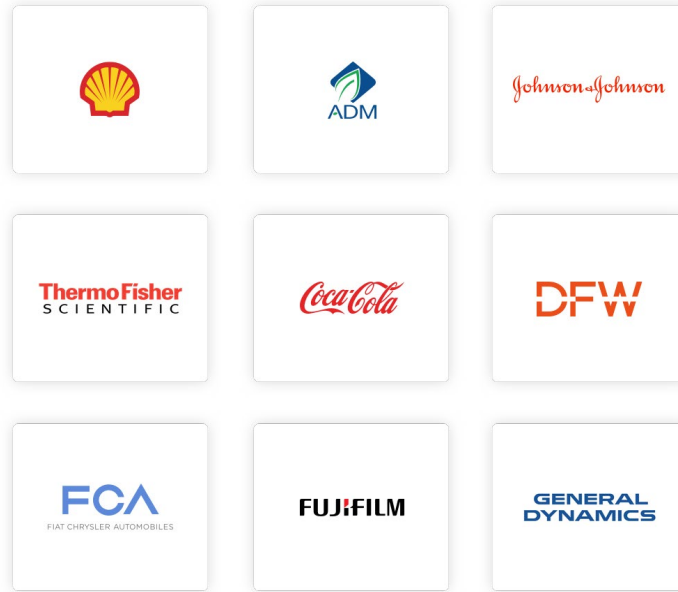
Trusted by Manufacturing Companies Everywhere

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 is all the innovation and power of the Ignition Platform, refined into a high-performing, secure, and reliable package ready for the future."

– Carl Gould
Director of Software Engineering, Inductive Automation

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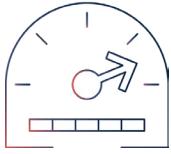by inductive automation

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For Years to Come

Ignition 8.1 is our most polished and powerful release of Ignition ever, and with multi-year support, regularly planned updates, and improvements, it's a release you can trust for years to come.


Confidence for the Long Haul

Ignition 8.1 is the first long-term supported (LTS) version of the Ignition 8 platform. As an LTS version, Ignition 8.1 will receive improvements and fixes for a full five years from the date of its release, so you can rely on 8.1 for the long haul.

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Focus on Performance

Upcoming improvements for 8.1 will focus on making its existing features even faster and more stable.
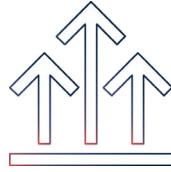
Regularly Updated

Inductive Automation will release regular updates for Ignition 8.1 for the next five years so you can always stay up-to-date.
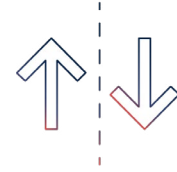
Backward Compatibility

Ignition 8.1 is backwards-compatible, ensuring that your past projects will update safely from previous module versions.

Add Peace of Mind

There is no better way to protect your investment and future-proof your system than by adding a support contract to your Ignition purchase. That's because each support contract comes with Upgrade Protection, which includes unlimited free upgrades of purchased Ignition modules for the life of your contract, as well as access to Inductive Automation's industry-leading technical support team, so you can quickly get expert answers to your questions. Choose from three different support levels in our updated TotalCare program to fit your specific needs.

"By using Ignition we were able to develop a project that is reusable, tweakable, and we could implement feature requests rapidly...rolling out our customer's needs quicker."

—Raymond Stanford
Senior Engineer, Steritec Automation

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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.

Ignition 8.1

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

inductiveautomation.com

Some of the companies that depend on Ignition:

Coca-Cola   Johnson & Johnson   FCA FIAT CHRYSLER AUTOMOBILES

Shell   NOV   Morgan Stanley   Starbucks

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.)

To learn more about Ignition 8.1, please contact an account representative at: **800.266.7798**

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