i4.0 Accelerator

Industry 4.0 in a Box

A Solution Provided by Industry 4.0 Leaders

aws   Cirrus Link SOLUTIONS   inductive automation   OPTO 22   MeghaAI

Install, Configure, Connect and Gain Insights!

The i4.0 Accelerator provides an integrated solution from leading technology partners to make IIoT, Digital Transformation, or Industry 4.0 quick, simple, and cost-effective. It eliminates the need to rely on difficult-to-use offerings that can take months or even years to complete and achieve minimal results, exhausting the bank account on failed product offerings. The i4.0 Accelerator kickstarts the process by taking advantage of open standards and technologies enabling Industry 4.0 solutions such as energy management, predictive maintenance, AI, and machine learning. This solution provides the framework to quickly scale from an initial proof of concept to hundreds of factory implementations.

The i4.0 Accelerator, installed on an Opto 22 groov EPIC IIoT Industrial Gateway

How Does It Make Industry 4.0 Simple?

Ready to Deploy

Provides OT-hardened hardware and ready-to-use software

Secure & Simple

Includes advanced security features and tools

Up & Running Fast

Self-learning auto-discovery IT services begin immediately

No Coding

Contains easy-to-use tools to connect to OT data and IT infrastructure and configure, describe, and create data models
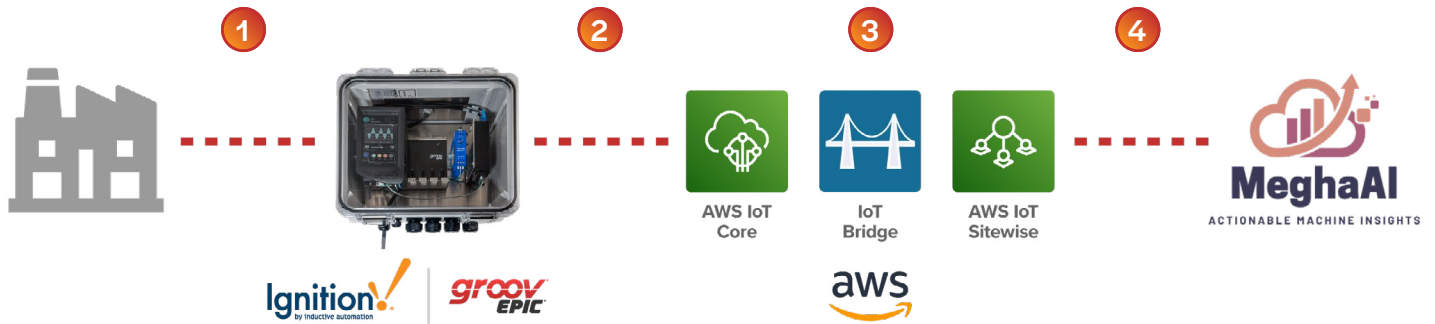
Why Industry 4.0?

By consistently leveraging the value of industrial data, manufacturers can:

Reduce product development costs by up to

50%

Source: McKinsey Manufacturing Analytics Study

How Does the i4.0 Accelerator Work?

AWS IoT Core · **IoT Bridge** · **AWS IoT Sitewise**

MeghaAI — ACTIONABLE MACHINE INSIGHTS

Ignition by Inductive automation | groov EPIC

aws

1. Using Ignition by Inductive Automation – installed on an Opto 22 groov EPIC IIoT Industrial Gateway – the i4.0 Accelerator connects to devices in their native protocol and transforms the OT data into easy-to-define data models.

2. Utilizing the IIoT software models from Cirrus Link Solutions, the i4.0 Accelerator then publishes the data models to AWS using MQTT The data models are auto-discovered and consumed into AWS instantaneously.

3. The data models are auto-discovered and consumed into AWS instantaneously through their suite of IoT services .

4. The AI services of MeghaAI automatically consume the data models to gain and deliver actionable insights.

i4.0 Assessment

To get the most out of your i4.0 Accelerator, i4Score provides an Industry 4.0 Opportunity Road-mapping Tool to help organizations navigate their Digital Transformation journey successfully by addressing six strategic questions that often get overlooked.

Why Industry 4.0?

By consistently leveraging the value of industrial data, manufacturers can:

Reduce operating costs by up to

25%

Source: McKinsey Manufacturing Analytics Study

Who are the Technology Partners Behind the i4.0 Accelerator?

The i4.0 Accelerator brings together the best-in-class products and services of the leading technology partners for Industry 4.0, all into one simple solution.

The Creator of AWS SiteWise is the world's most comprehensive and broadly adopted cloud platform, offering over 200 fully-featured services from data centers globally. Millions of customers—including the fastest-growing startups, largest enterprises, and leading government agencies—use AWS to lower costs, become more agile, and innovate faster.

Find out more information at: aws.amazon.com/iot-sitewise

A Machine Learning Solutions company and creator of RAIN (Rapid Actionable INsights) for Industrial data specializing in building custom AI Models to meet unique business needs and complex operational KPIs. The MeghaAI Rain Product is an established platform for innovation and deployment. These custom models are available alongside the pre-built models, giving the user a seamless and consistent user experience.

Find out more information at: meghaai.com

A leader in IIoT software solutions, focused on data connectivity, as the co-inventor of the MQTT protocol and the inventor of the open standard Sparkplug specification provided by the Eclipse Foundation. With over 40 years of SCADA and Telemetry experience specializing in Industrial IoT and Digital Transformation, Cirrus Link leadership understands the technology necessary to enable and effectively manage data assets for real-time controls and industrial applications.

Find out more information at: cirrus-link.com

Opto 22 designs and manufactures industrial control products and Internet of Things platforms that bridge the gap between information technology (IT) and operations technology (OT). For over 40 years, OEMs, machine builders, automation end-users, and information technology and operations personnel have trusted Opto 22 to deliver high-quality products with superior reliability. The company was founded in 1974 and is privately held in Temecula, California, U.S.A. Opto 22 products are available through a global network of distributors and system integrators.

Find out more information at: opto22.com

The creators of Ignition, the leader in SCADA & IoT software serving over 270 of the companies in the Fortune 500 and with deployments in over 100 countries. Ignition is server software that acts as the hub for everything on your plant floor for total system integration. No matter what brand, model, or platform, it talks to your plant-floor equipment.

Find out more information at: inductiveautomation.com

To Get Started, Contact:

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