

# Why It's Time to Move to an Industrial Cloud

GE built Predix, the platform for the Industrial Internet, to meet its own needs. Now, customers can leverage GE's experience and its ecosystem of partners to focus on driving innovation by creating Industrial apps that turn real-time operational data into actionable insights and positive outcomes. So let us share with you why Predix provides an advantage and gives you a path for digital industrial transformation.

## INDUSTRIAL GRADE

### PREDIX

#### Proven industry outcomes

GE brings deep domain knowledge and experience in machine physics and material science, data and analytics. This gives you a complete view of asset health to predict issues (before failure).

#### Mitigate security risks

A multi-tenant "gated community" model ensures tenants belong to the industrial ecosystem with security embedded at every layer.

#### Improve data governance

Our data governance and privacy provides regulated and highly conservative industries with a high level of assurance.

#### Global, open standards

As a founding member of Industrial Internet Consortium (IIC), GE is developing use cases and sharing best practices and reference architectures.

#### Broad developer ecosystem

A fast-growing developer community is helping expand GE's best practices by leveraging the marketplace for off-the-shelf services and applications.

VS.

### General purpose

#### Not focused on industry

General cloud platforms are unable to capture the right data - or data arrives without context. Consequently, you cannot predict events based on the history of the asset.

#### Open to compromise

Security breaches can do real damage to your brand and your business. You carry the burden of policing your data from the edge to the cloud.

#### Data at risk

Do you ensure the integrity, security and availability of your data? Do you have the procedures and people in place to do business anywhere?

#### Proprietary

The need to upgrade assets to adopt standards leads to increased integration costs, limits innovation, and reduces time to market.

#### Limited potential

You are limited to your existing in-house capabilities. You cannot leverage outside work easily as it requires extensive on-boarding.



## CLOUD

The cloud model allows businesses to take advantage of key capabilities to connect GE and non-GE assets, intelligently capturing, processing, and analyzing data at the edge and in the cloud. A common cloud architecture also enables improved system maintenance and governance, standardized security and vulnerability assessments, and consistency for release management.

### PREDIX

#### As-a-service

Leverage the economics of a centrally managed and shared infrastructure in a pay-as-you-go subscription model.

#### Assurance

Reduce downtime with Service Level Agreements (SLA) that match needs.

#### Smart provisioning

Scale with on-demand capacity that meets different business and application workloads.

#### Ubiquitous presence

Connect to assets across the entire infrastructure so data can be captured and analyzed on a global footprint.

VS.

### On premise

#### Costly integration

Match desired service levels by adding new hardware and software together with operational staff and processes.

#### Unpredictable

Accommodate, track, and measure different vendors' systems with different requirements and service levels.

#### Over provisioning

Waste underutilized resources such as servers and services worldwide by building for peak demands.

#### Limited perspective

Determine if you are able to quickly leverage cellular, fixed, and satellite networks to cover assets at the edge of your network. Can you provision connectivity in days vs. months?



Imagine the costs of building an industrial cloud platform from scratch. Are those core competencies ones that you really want to invest in?

**Predix, the right choice for Industrial Internet of Things innovation.**



Discover More at

<http://www.predix.com/get-started>



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