



Life on the 'Edge'

Let your IIOT strategy flourish!



Life on the 'Edge'

- 
- A person is sitting on the very edge of a dark, jagged rock formation that extends horizontally over a deep, green valley. The background shows a vast mountain range with patches of snow under a clear blue sky. The overall scene conveys a sense of being on the 'edge' of something.
- Why are IIOT initiatives so important?
 - How does the Edge enable IIOT?
 - Modernising your infrastructure
 - Barriers to adoption
 - Best practices and key considerations
 - Tangible benefits for industry
 - Actionable recommendations
 - Next steps

Who we are



4 of the 5 largest global credit card networks use Stratus solutions



Half of the Global Fortune 100 are current Stratus customers



Half of the world's largest retailers are Stratus customers



Half of the world's largest beverage companies use Stratus solutions

STRATUS CUSTOMERS



Treat 2 billion gallons of water annually



Transport 1.5 billion air passengers annually




Serve 45 million rail passengers daily


38 years in business

What we do

**Simple and secure
edge computing for
industry.**

The Stratus logo is a yellow oval with a black border, containing the word "Stratus" in white. It is positioned on a yellow horizontal line that extends from the left side of the slide towards the right. The background of the slide is a dark blue header and a grey perforated metal texture.

Stratus

The ftServer SYSTEM logo is located in the top right corner of the slide. It consists of the text "ftServer" in a bold, sans-serif font, with "SYSTEM" in a smaller, spaced-out font below it. The background is a dark grey, perforated metal texture.

ftServer
SYSTEM

Corporate headquarters
Maynard, Massachusetts
USA

Systems Installed
20,000 systems installed
worldwide

Global Presence
Americas – EMEA – APJ

Who we serve



Discrete

Textiles
Fabricated metals
Machinery
Material handling
Printing
Automotive

Continuous



Food and beverage
Pharmaceuticals
Cement
Metals and mining
Water and waste
Pulp and paper

Chemical
Oil and gas
Power generation
Refining
Petrochemicals



How we partner



Why are IIOT initiatives important?

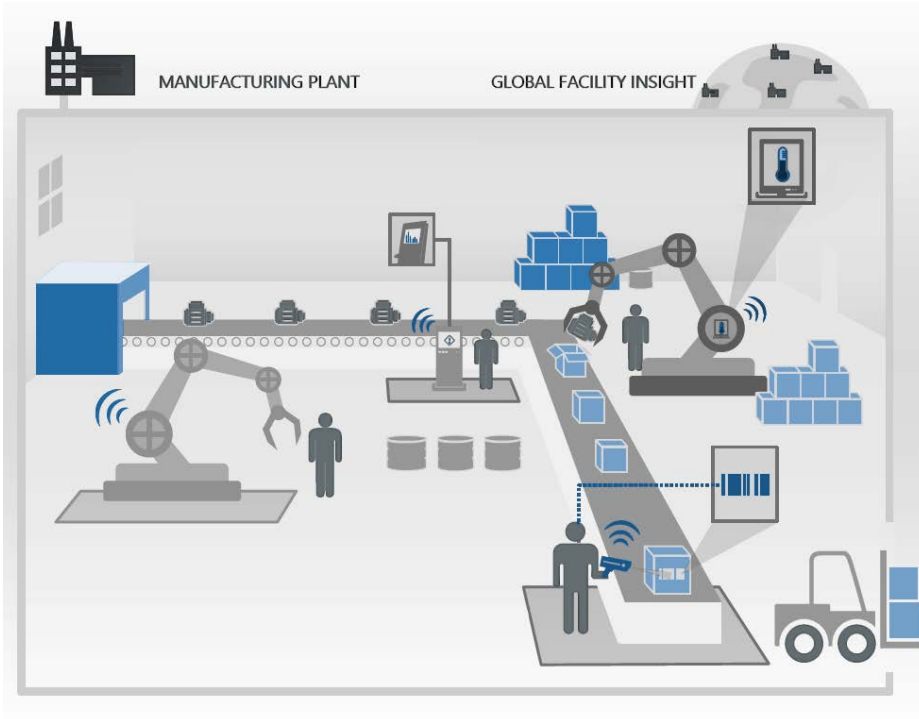
**\$7.5T value
from industry
by 2026**

**72% of the companies
will increase their IoT
spending over the
next 3 years**

**40% operating
income
improvement**

**2X stock
performance
improvement**

Tangible Benefits



- Innovation
- Agility
- Efficiency



- Risk
- Cost
- Downtime



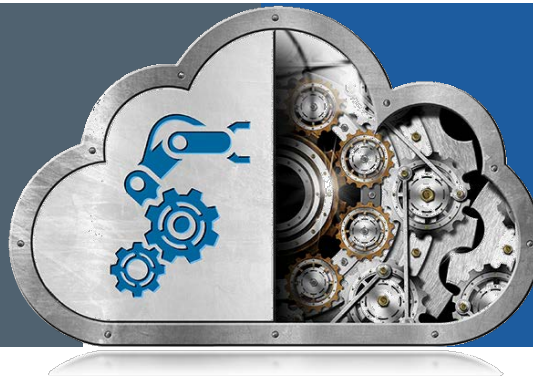
Critical evolutionary requirements

Today

Industrial Internet of Things (IIoT) enabled

Automation operations & control architecture

One application per server
Segmented OT & IT
Post failure analysis
Static implementation
1,000 – 50,000 end points
Data collection rates - seconds



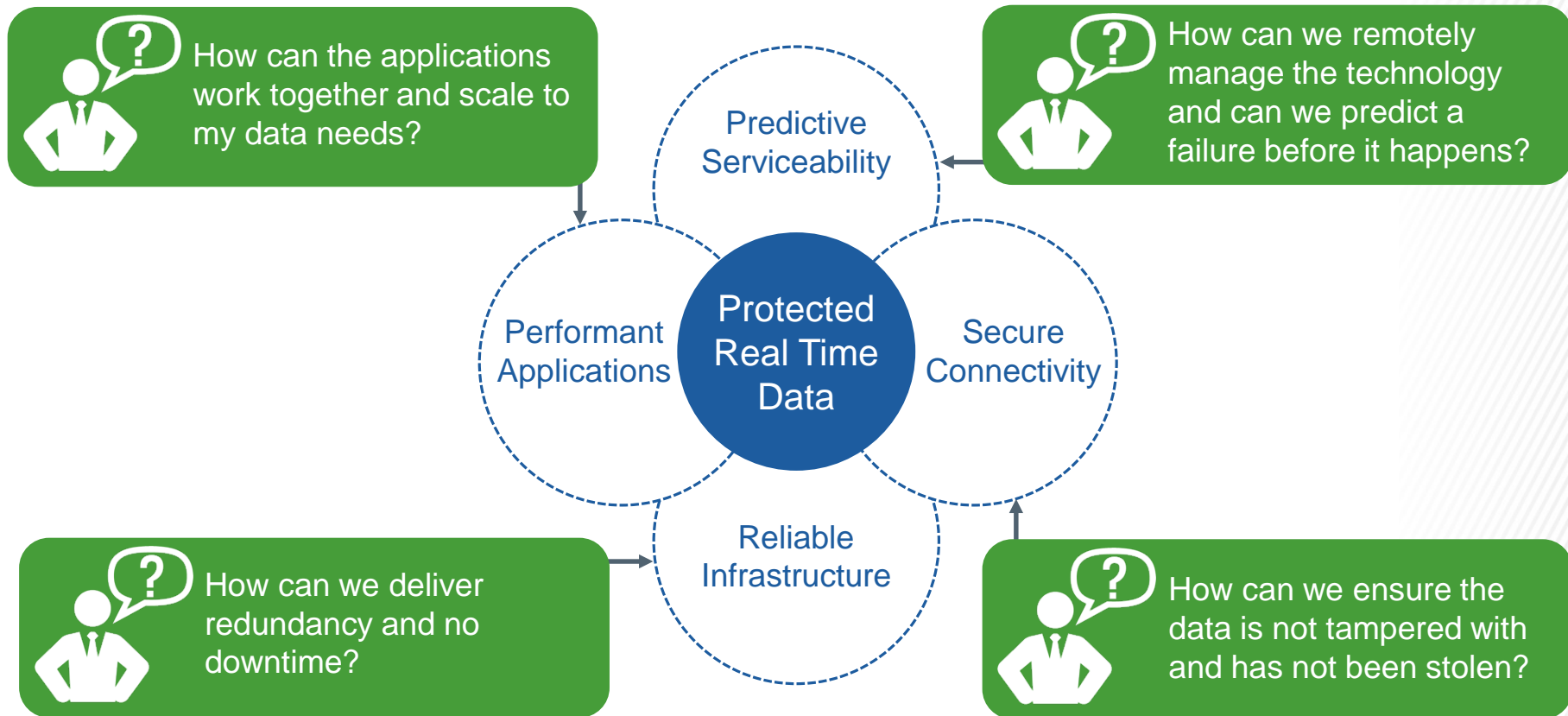
Virtualisation
OT/IT integration
Predictive/prescriptive analytics
Continuous evolution
10,000 – 1 million end points
Data collection rates - milliseconds

Fundamental requirements

Increasing efficiency & minimising (even eliminating) unplanned downtime

Industrial control system security

Data's increasing value



The industrial data value chain



1. What happened?
Descriptive analysis

2. Why did it happen?
Diagnostic analysis

3. What is about to happen?
Predictive analysis

4. What can I do to avoid it?
Prescriptive analysis

Structuring an IIOT enabled world

IT



Inherent limitations that prevent connectivity to automation systems that include: Security, Availability, Reliability, Complexity and Cost

Edge



Data processing at the edge of the network, near its source
Onsite analysis and control lowers costs, increases security, provides interoperability between old and legacy devices.

OT



Core competence is control and monitoring not IT, yet digitalisation is seen as primary driver of competitive advantage for the foreseeable future.

Partnering for an IIOT enabled world

IT



Edge



Application layer

Rockwell Software

Uptime layer



OT



**Rockwell
Automation**

Edge benefits

The diagram features a background of blue fiber optic light trails. Five dark blue hexagonal shapes are arranged in a cluster, each containing a benefit of edge computing. The benefits are: Faster Response Time, Reliable operations with intermittent connectivity, Security and compliance, Cost effective, and Interoperability between old and new.

**Faster
Response Time**

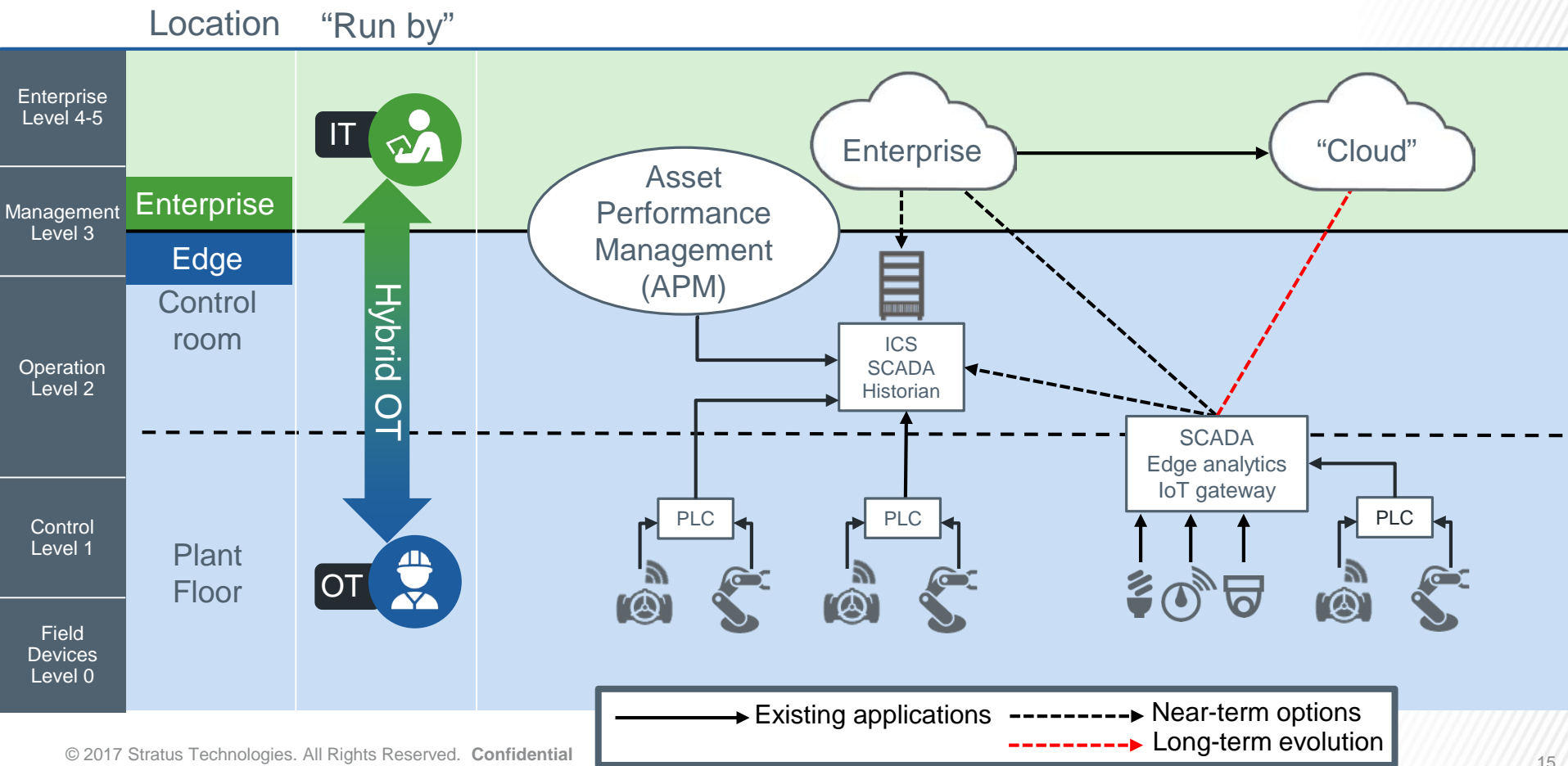
**Reliable
operations with
intermittent
connectivity**

**Security and
compliance**

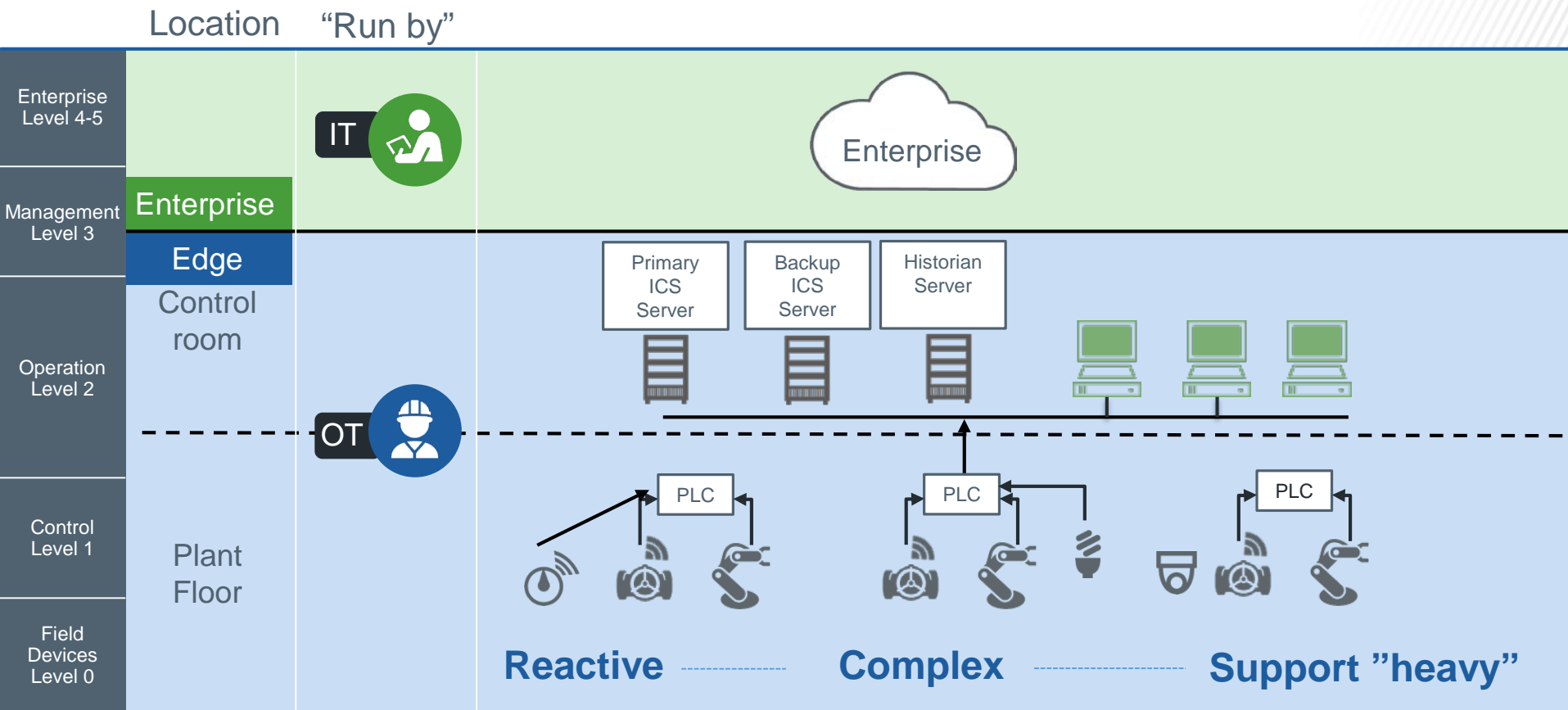
Cost effective

**Interoperability
between old
and new**

Options to Implement IIoT



Barriers to digital adoption – Today's reality



IIOT challenges in practice: AIC



Background – AIC

40 years in the steel market

Long term partners of Rockwell Automation



Challenge

Run virtualised applications remotely
without IT expertise and real-time analytics

Large amounts of data available



Requirements

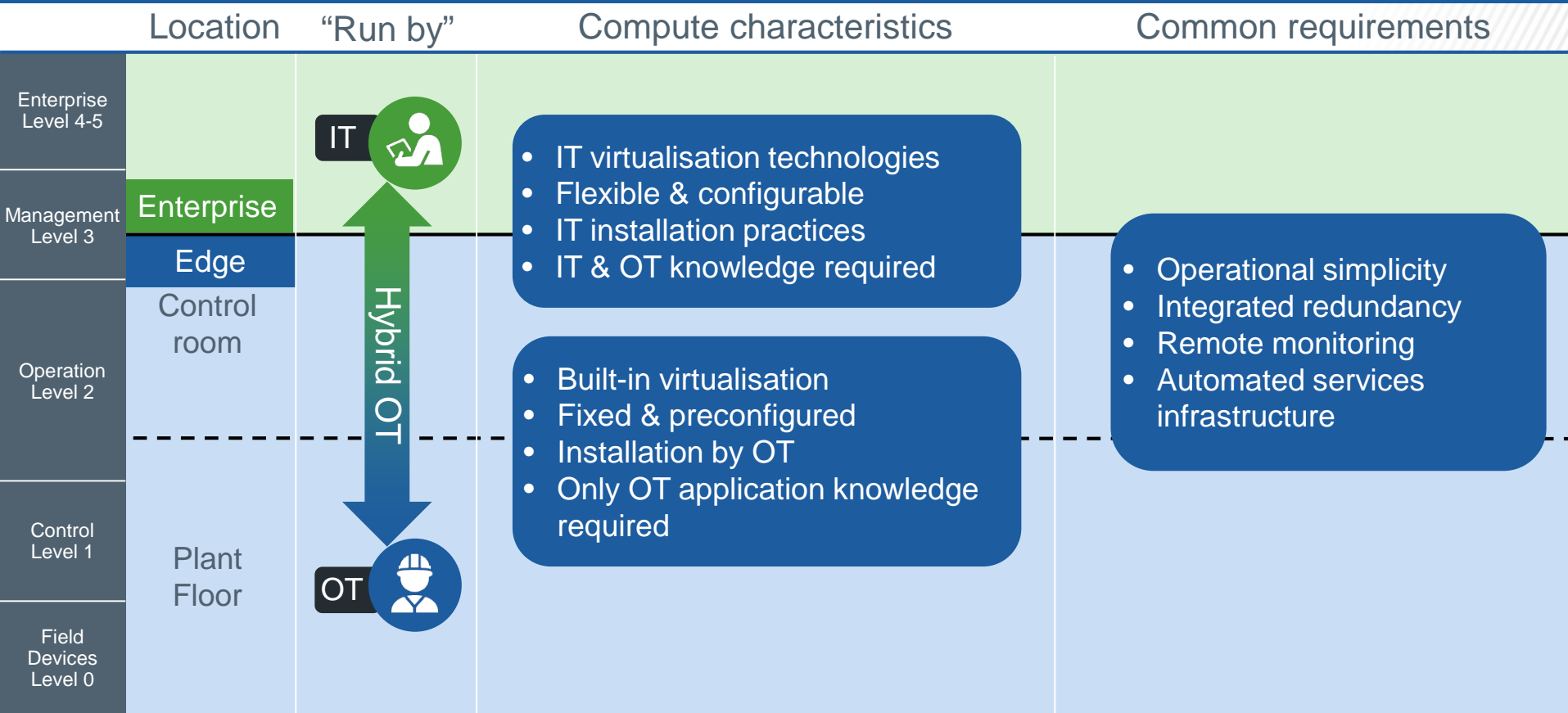
Operational simplicity

Continuous availability

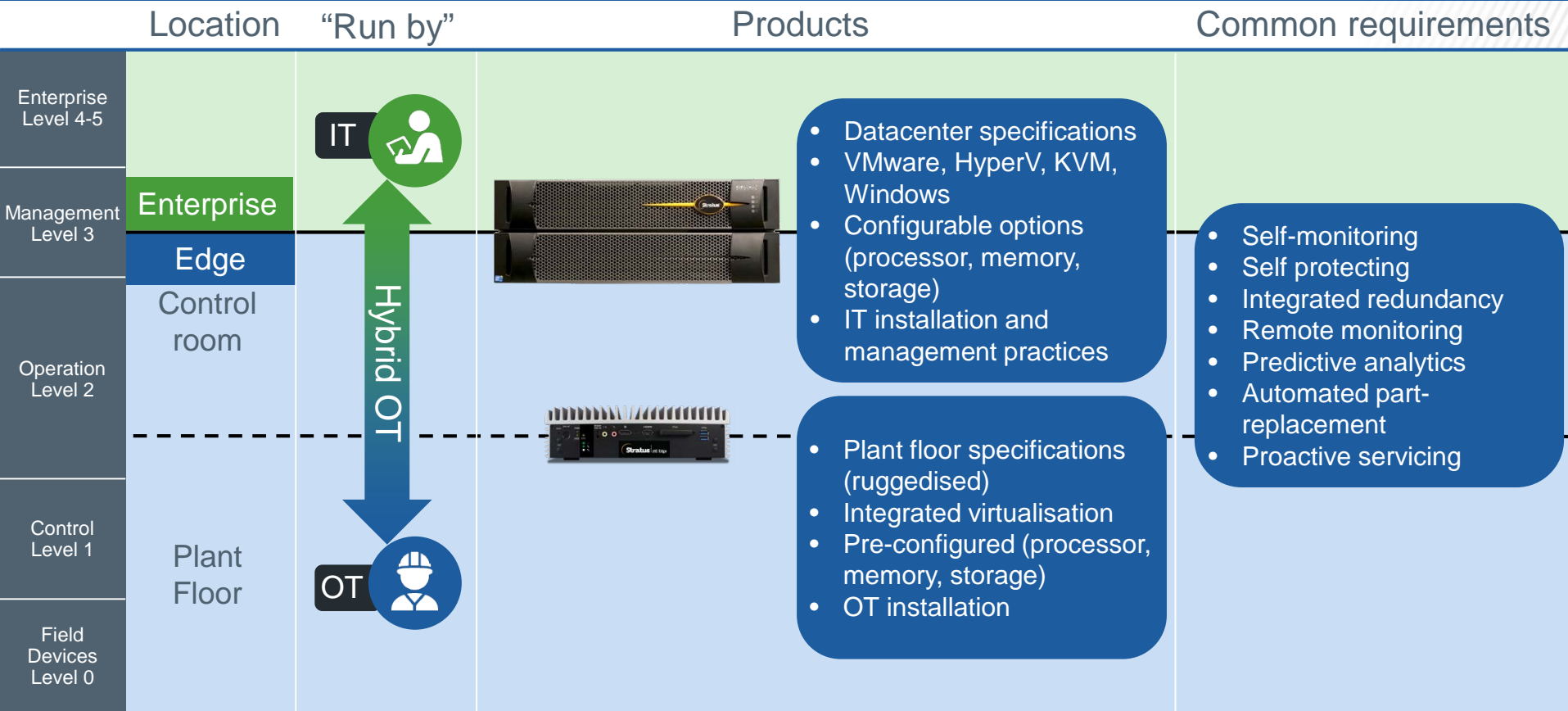
Strong support



Best practices for edge technology



Stratus Solutions



IOT solutions in practice: AIC



Challenge

Run virtualised applications remotely
without IT expertise and real-time analytics
Large amounts of data available



Chosen Solution

Stratus ftServer Platform



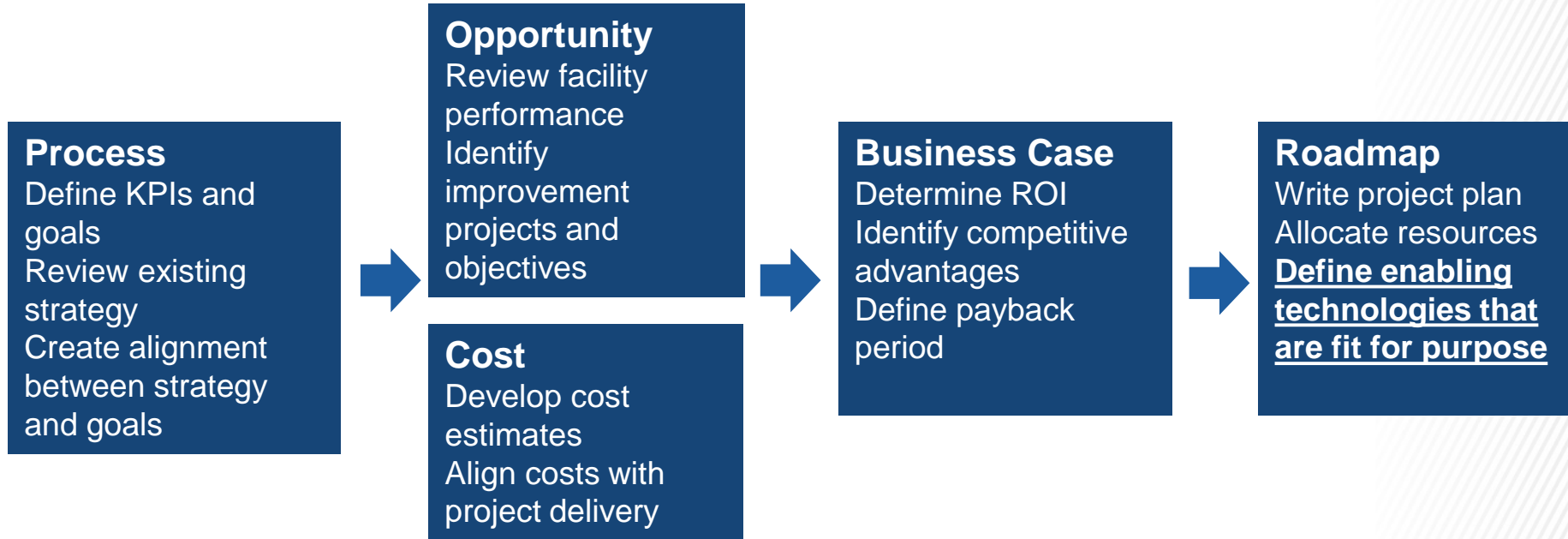
Business Impact

100% operational continuity
Zero downtime
Zero data loss



“Our customers were requesting us for a solution that was fast, simple, reliable and with a long lifecycle, and with Stratus we could meet these requirements.”

Actionable recommendations



Next steps



Contact us

- Kasia Licwinko at Kasia.Licwinko@stratus.com ,
- M: +44 (0) 7471357244, DD: +44 (0) 1784415220



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- Stratus Website: www.stratus.com





Thanks for listening