

Live webinar

Een gloednieuwe aanpak om uw assets te beheren

Verhoog de uptime, reduceer kosten
en verbeter de veiligheid

We start at 11:30

Predictive
Maintenance
23 & 24 september 2020
online kennisweek

Speaker



Gijs van Erp
Yokogawa

Webinar Een gloednieuwe aanpak om uw assets te beheren
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Co-innovating tomorrow™

YOKOGAWA

How is this presentation structured?



How did OT develop over the past decades

Increased competition

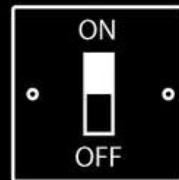


Systems becoming more complex



More advanced systems & more usage of
Information Technology (IT)

Characteristics in typical OT environments



Lack of visibility...

Characteristics in typical OT environments

Ineffective maintenance processes

- Siloed organizations (Operations & Maintenance)
- Multiple site visits for simple problems

Characteristics in typical OT environments

Human resources

- Aging workforce
- Firefighting mentality



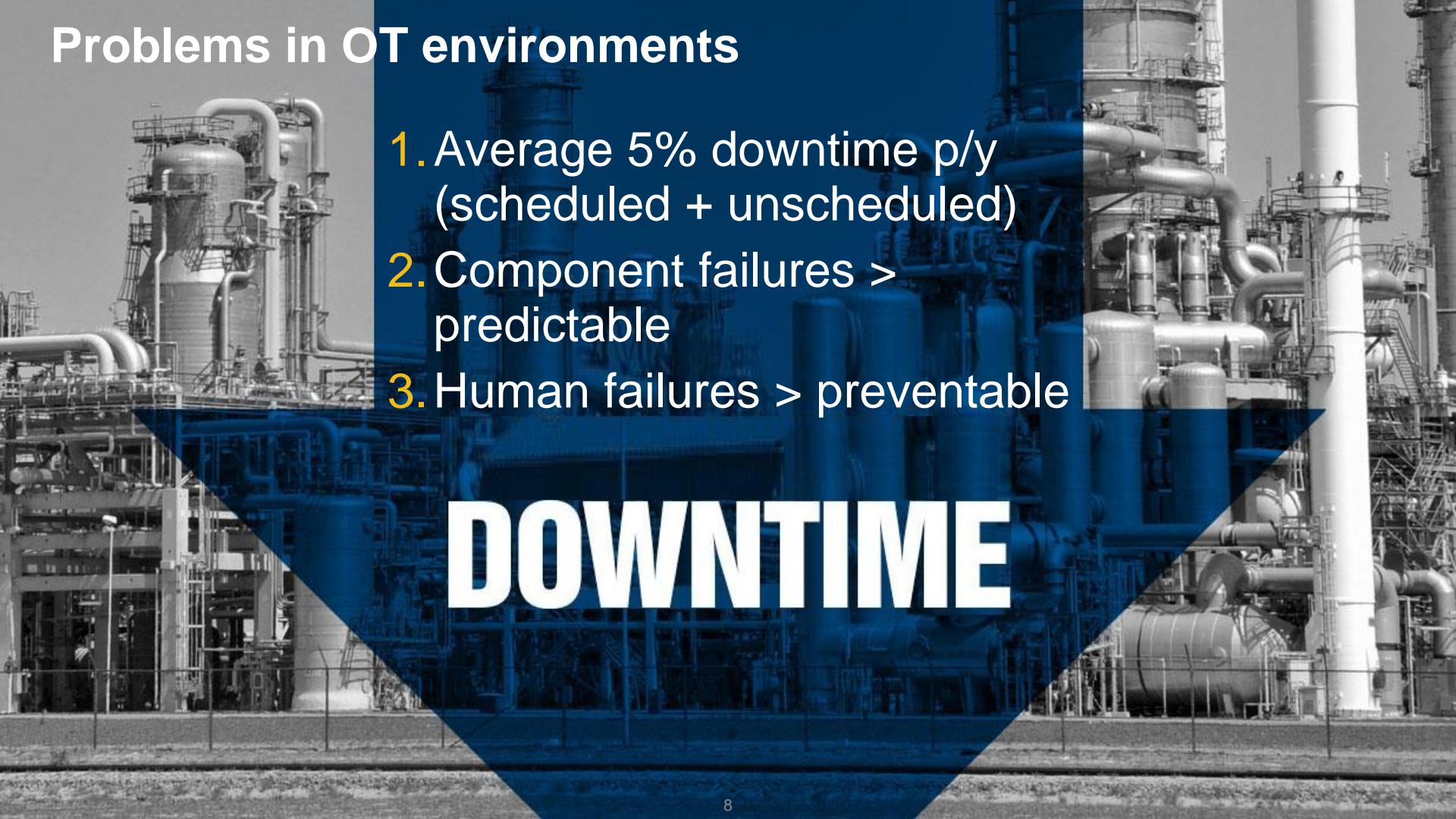
Characteristics in typical OT environments

Older technologies

- Fragile systems
- Old software
- Conservative mentality

Technologies	Wide scale usage	
	IT	OT
Domain service	~2003	2010-2015
Virtualization	2000-2005	2015-2020
AI & Big data	2010-2015	~2020-2025
Cloud computing	2015-2020	~2025

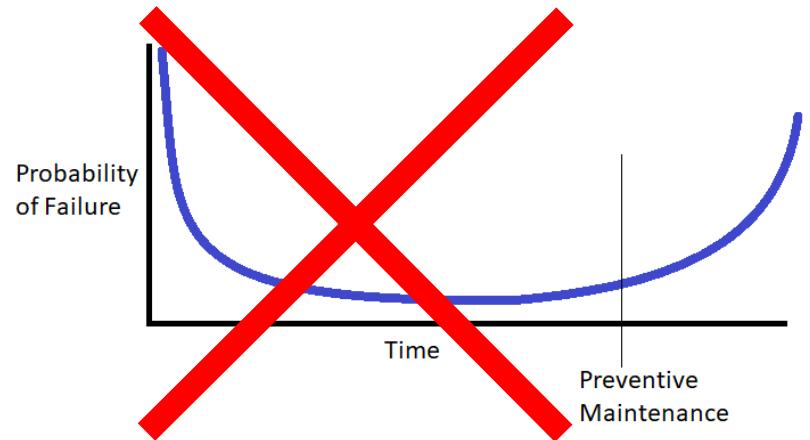
Problems in OT environments

- 
1. Average 5% downtime p/y
(scheduled + unscheduled)
 2. Component failures > predictable
 3. Human failures > preventable

DOWNTIME

Ineffective maintenance strategies

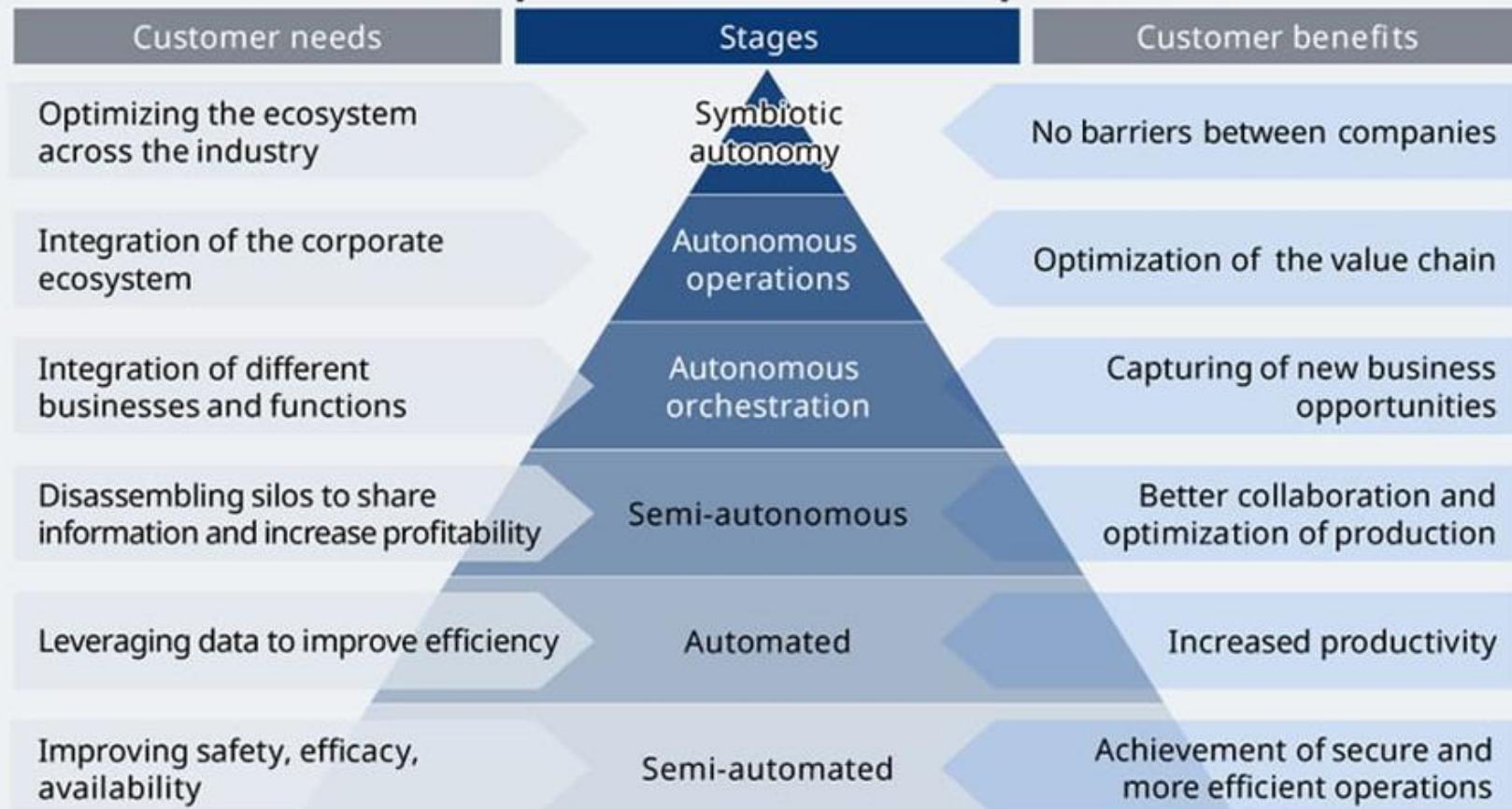
- Only 18% of components has age related failure pattern
- Unnecessarily changes
- Run to fail
- Wrong diagnosis

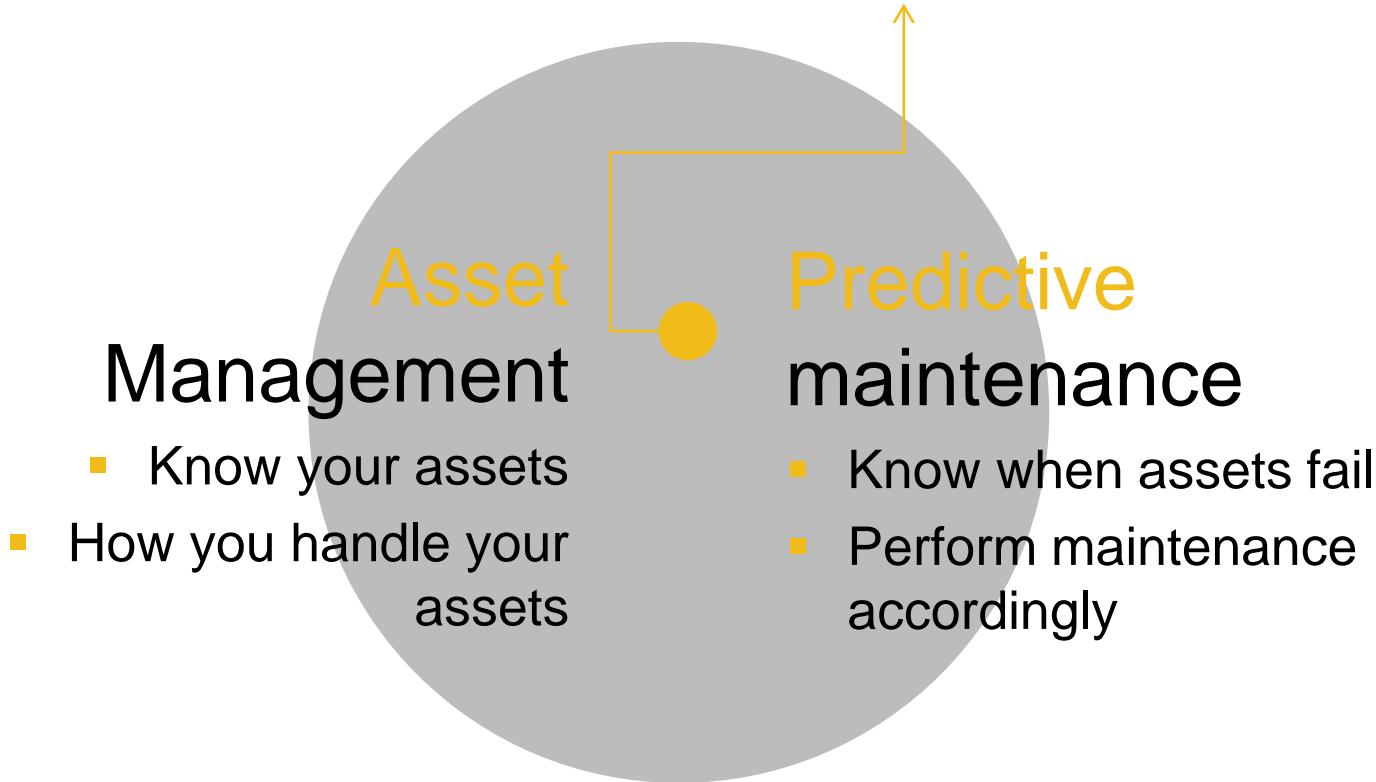


Old fashion way of thinking about maintenance

Yokogawa's vision for the future

Roadmap to autonomous operations





Need from the field as a base



NAM GLT (Shell & Exxon), start 1996

- Biggest West European gas field
- Very high availability requirements
- Maximum 1 day onsite maintenance each two years

Yamal (Novatek, Total & CNPC) start 2018

- Biggest LNG plant globally
- Artic remote location, 1 bed for maintenance employee

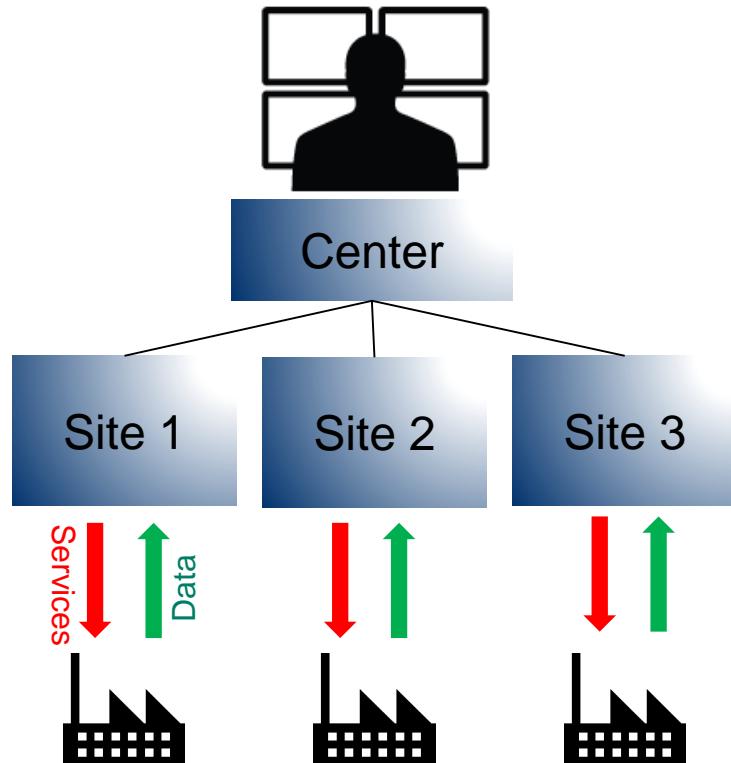
Shell Secure Plant, start 2013

- Global Managed Service (Shell & Cisco)
- Monitoring and pro-active action



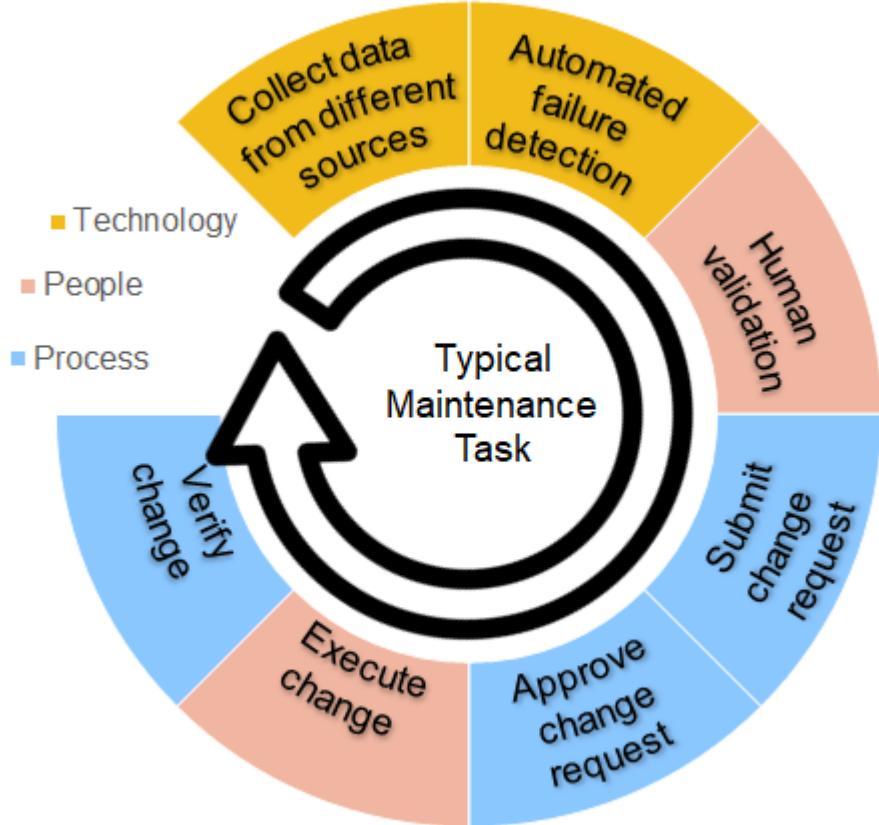
Ingredients for success – what our customers taught us

1. Real time data collection of all asset types
2. Performance overview in a single dashboard
3. Cutting edge IT&OT functionality
4. Rock solid technical infrastructure



More than just technology

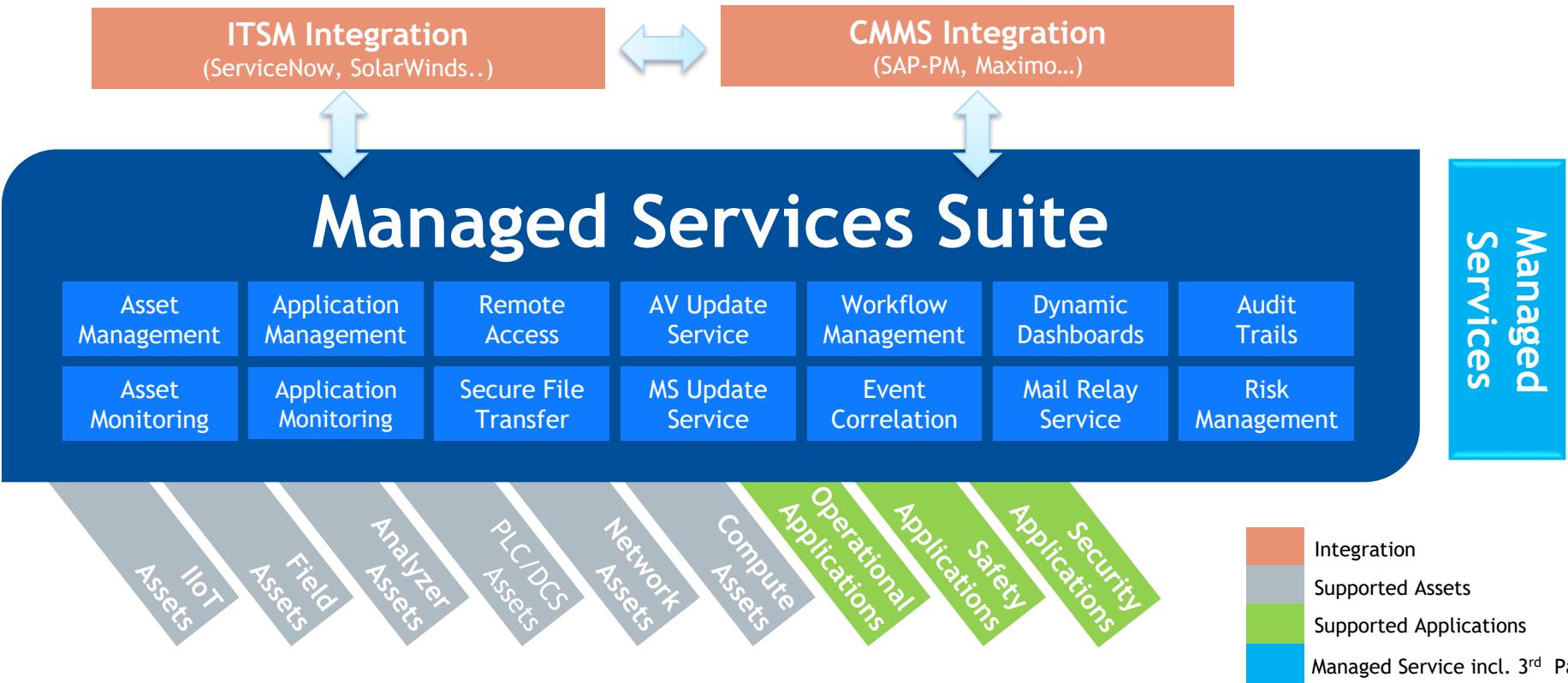
*Bringing people,
process and technology
together for digital
transformation*



And now... we proudly present

Yokogawa's Managed Service Suite

Managed Service Suite Overview



KEY TAKEAWAYS

1

Asset and maintenance information is present but not used or compatible

2

Most shutdowns can be prevented

3

Incorporate people process and technologies to be successful

4

Asset management and predictive maintenance essential for autonomy

5

You can start today!

Q&A



Additional reading

Curious?

Visit yokogawa.com/nl/mss for more information.

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The Yokogawa Newsletter
Innovative, personal and informative

Dear reader,

This is the newsletter of Yokogawa Nederland with news, customer stories, inspiring information and webinars about industrial automation.

How do you stay on top of your business?
This can only be achieved by regularly investing in innovation and improvement. Gido van Riet: 'For Shell Moerdijk the maintenance stop is the time to do that'. Find out how much time has been saved and efficiency improved!

Shell case study

Service Engineer for 28 years: 'no working day is the same'
Many companies have their measuring instruments calibrated, but often do not know the reason behind it. Why are calibrations important? Gerrie van Kessel shares his field service experiences.

Read the interview

The 4 pros and cons of an online HAZOP
Before 'the new normal', meetings were often planned face-to-face, but now we work remote wherever possible. Safety specialist Arjan...

Thank you for your attention

More information?

Please contact

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