



THE CONNECTED **CHEMICAL PLANT**

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expanding **human possibility**®



PUBLIC



Challenges in the chemical industry



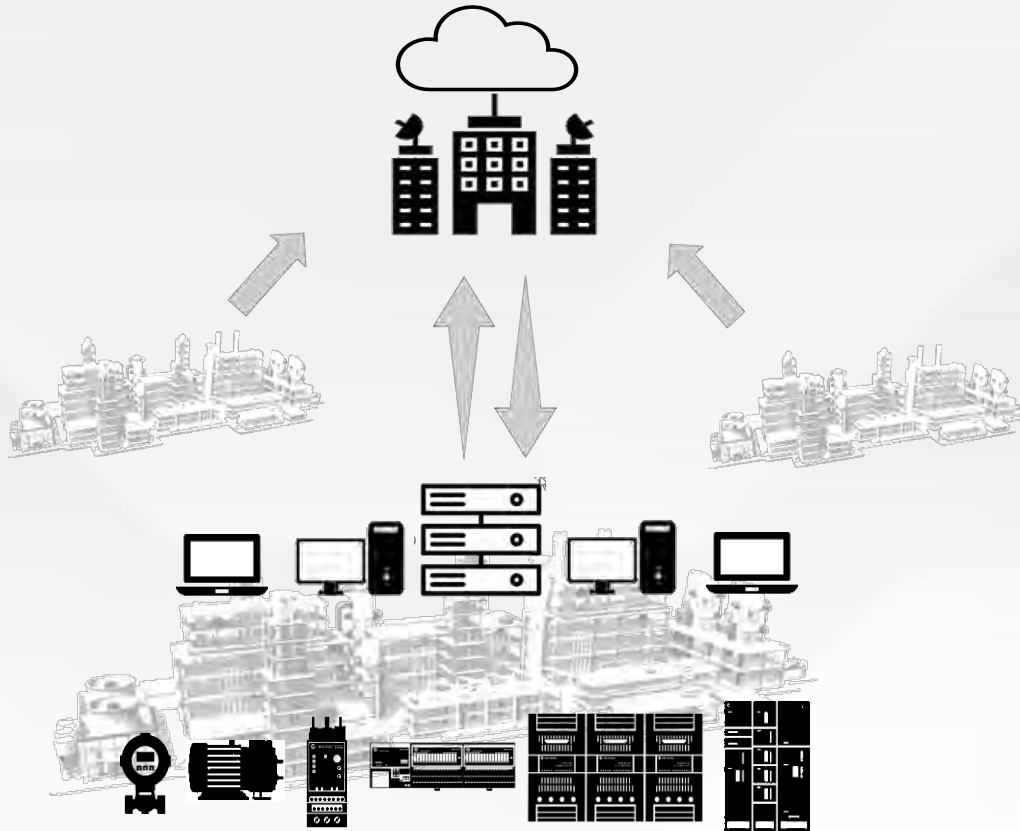
The chemical industry is facing many challenges including skilled workforce gaps, increased competition, margin erosion, and regulatory compliance.

- **Continued process safety focus**
OSHA PSM, ISA/IEC 61511
- **Market pressures**
Margin erosion, supply chain disruption
- **Workforce effectiveness and aging assets**
Finding expertise, new demographics, maintaining plant assets
- **Environmental, Social, and Governance (ESG)**
Sustainability, reduce carbon footprint, use of green fuels
- **Cybersecurity threats**
Convergence of OT/IT, safe and secure flow of information

Imagine what you could achieve if your...

- + **Operators** could predict future equipment failures
- + **Control programs** could prevent quality issues
- + **Engineers** could proactively optimize operating conditions
- + **Facility managers** could maximize workforce productivity

The connected chemical plant

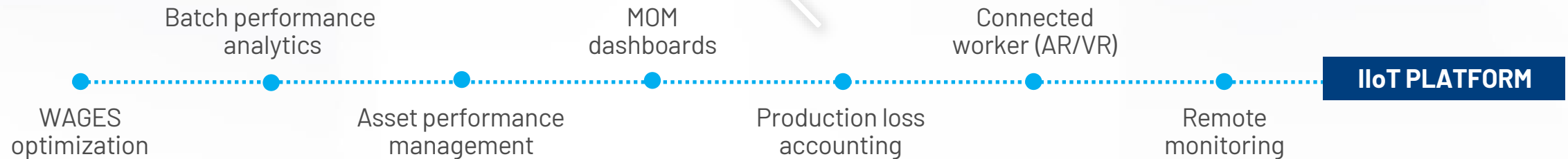


INTEGRATED VISUALIZATION PLATFORM (IIoT)

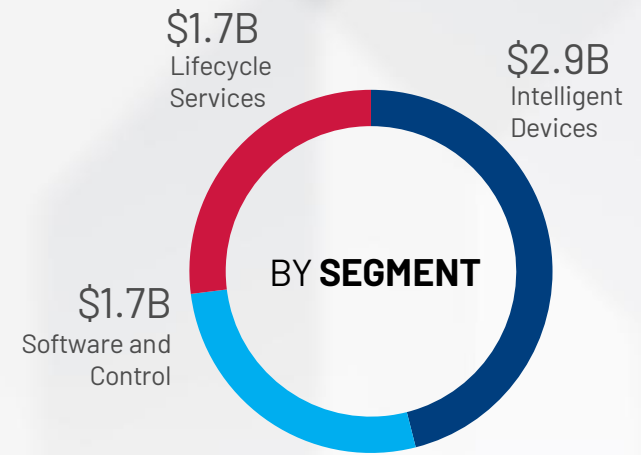
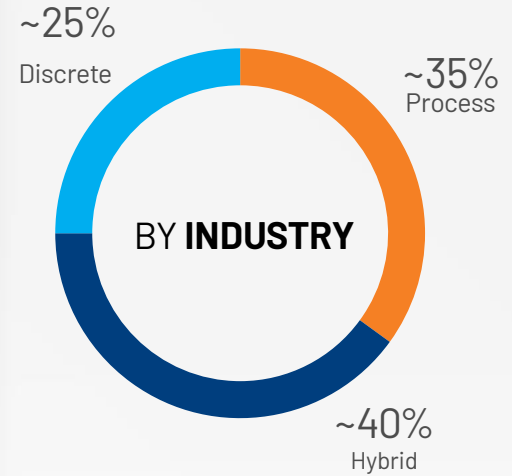
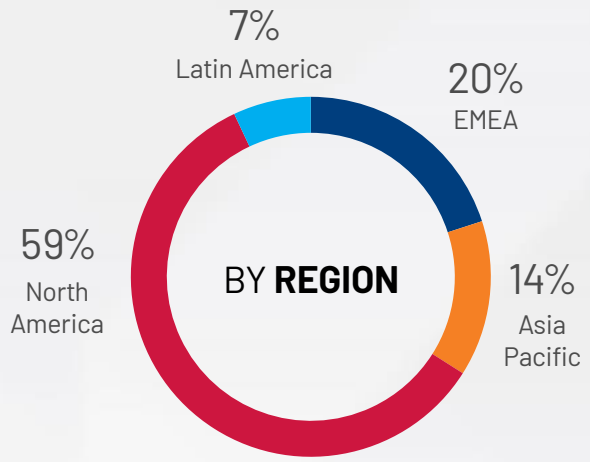
- Fit-for-purpose applications
- Scalable across the enterprise
- Quick time to value
- Improved supply chain performance
- Maximized EH&S performance, fixed-asset utilization, product quality, and minimized operating cost

TECHNICAL DEBT PAYDOWN (OT)

- Infrastructure to handle demands/compliance
- Data aggregation for quicker digitalization
- Improved EH&S performance, fixed-asset utilization, product quality, and reduced operating cost



2020 SALES
6.3
BILLION
USD

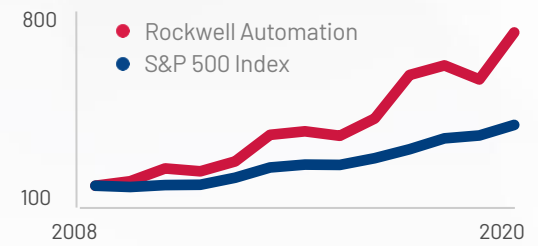


Serving customers for **117 years**


100+
Number of countries


23.5+k
Employees: more than half outside the U.S.

Total shareowner return



Process expertise in the global chemical industry

2,500

YEARS

Our team has 2500 years of experience

10,000

PROJECTS

Delivered power, control, process and information solutions

6.5M

I/O POINTS

I/O controlled by our technology in chemicals

TOP **50**

OEM SUPPLIERS

Utilize our technology

1,000

DCS MODERNIZATIONS

DCS modernization projects completed

WHAT SYSTEMS CAN WE MODERNIZE? **JUST ABOUT ANYTHING!**

ABB

Bailey

EMERSON

Foxboro

by Schneider Electric



GE
Intelligent Platforms

Honeywell

MOORE

PROVOX

Schneider Electric

SIEMENS

Triconex

by Schneider Electric

invensys
Wonderware

YOKOGAWA

*Data based on the last 20 years

More information



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[Learn more about us on our chemical industry web page.](#)

Thank You.



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