



SYNERGY FOR ENERGY

2024

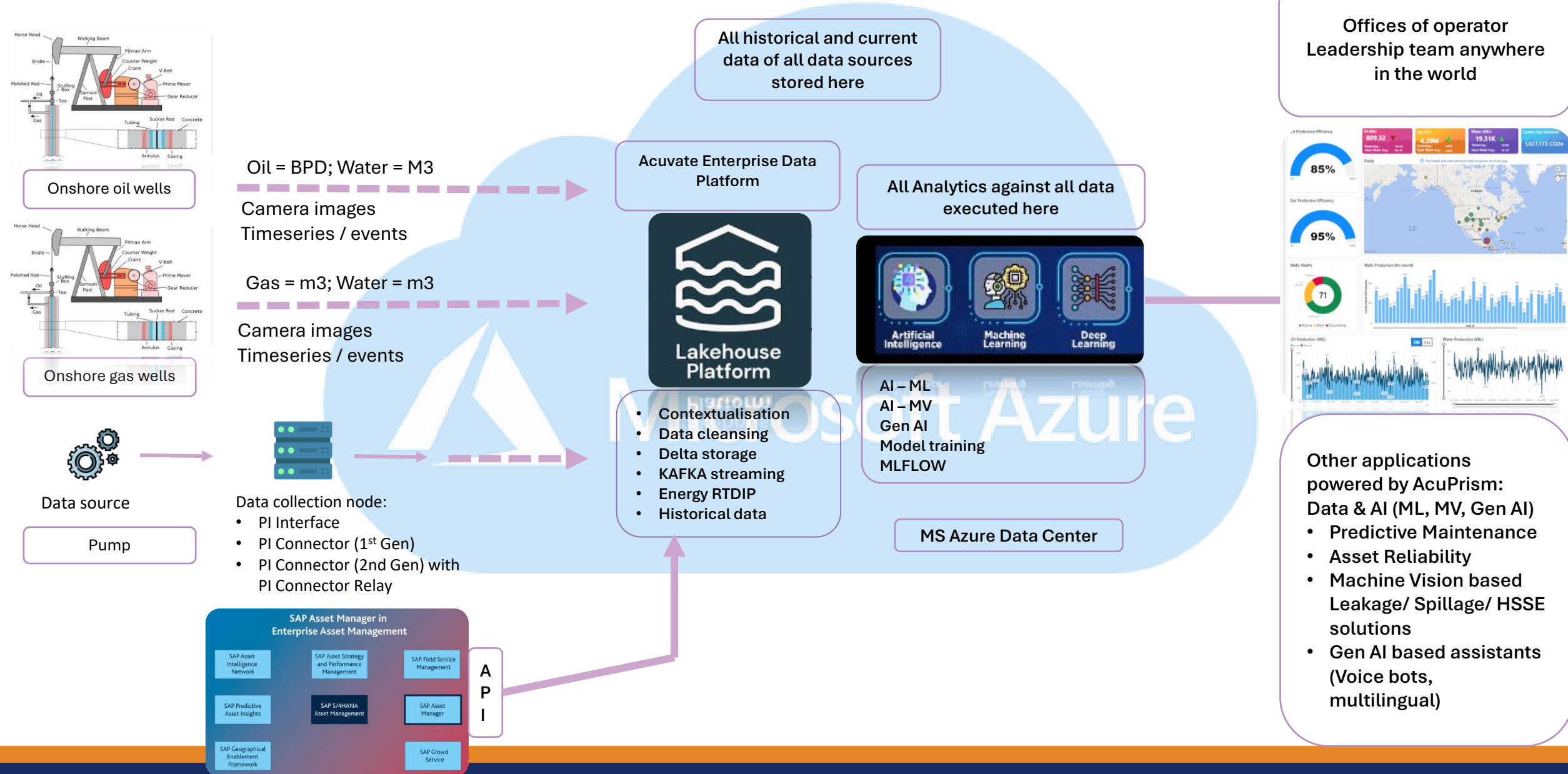
HARNESSING AI & DIGITAL DATA FOR OIL & GAS EXCELLENCE

How Acuvate is helping
Energy(Oil and Gas) Industries
to get the maximum out of
DIGITAL

Demo

Operations Optimization in Energy (Oil & Gas) Industry

AcuPrism: Data collection, manipulation and storage → Wells (Exec dashboard and other applications)





Gill Thomas

VP, Production Operations

- Responsible for strategic decision-making and long-term production planning
- Oversees oil and gas production operations across multiple fields in North America
- Ensures operational efficiency and maximizes production output



Ray Chan

Offshore Field Platform Supervisor

- Manages the day-to-day operations of an offshore oil and gas platform.
- Monitors well health and ensures optimal production levels.
- Ensures asset reliability; oversees maintenance operations.

Pain Points

Lack of operational visibility across production sites

Unpredictable production capacity

Insufficient real time monitoring data

Lack of holistic, contextualized insights from siloed data sources.

Dependency on manual processes to get insights.



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Demo Showcase:

- Executive Dashboard
- Voice based Gen AI Assistant

Pain Points

Unplanned downtime impacting production

Leakages leading to safety hazards and negative environmental impacts

Reducing number of Health, Safety, Security and Environmental (HSSE) incidents

Inability to move towards autonomous (i.e., reduced staff) field operations

Siloed data leads to operational inefficiencies



Ray Chan

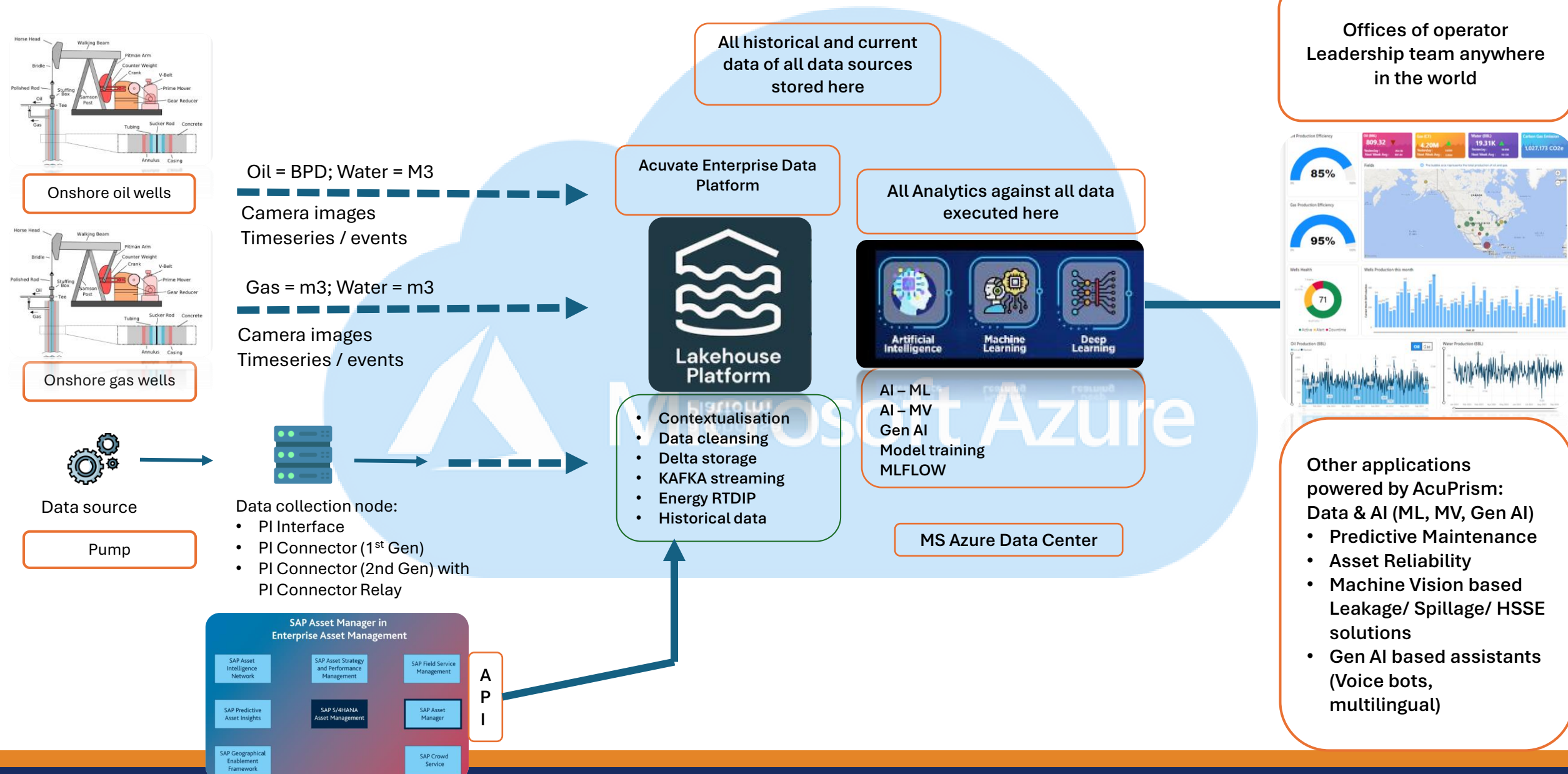
Offshore Field Platform Supervisor

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Demo Showcase:

- Digital Twin
- Predictive Maintenance
- AI Visual Inspections
- AI Assisted Maintenance

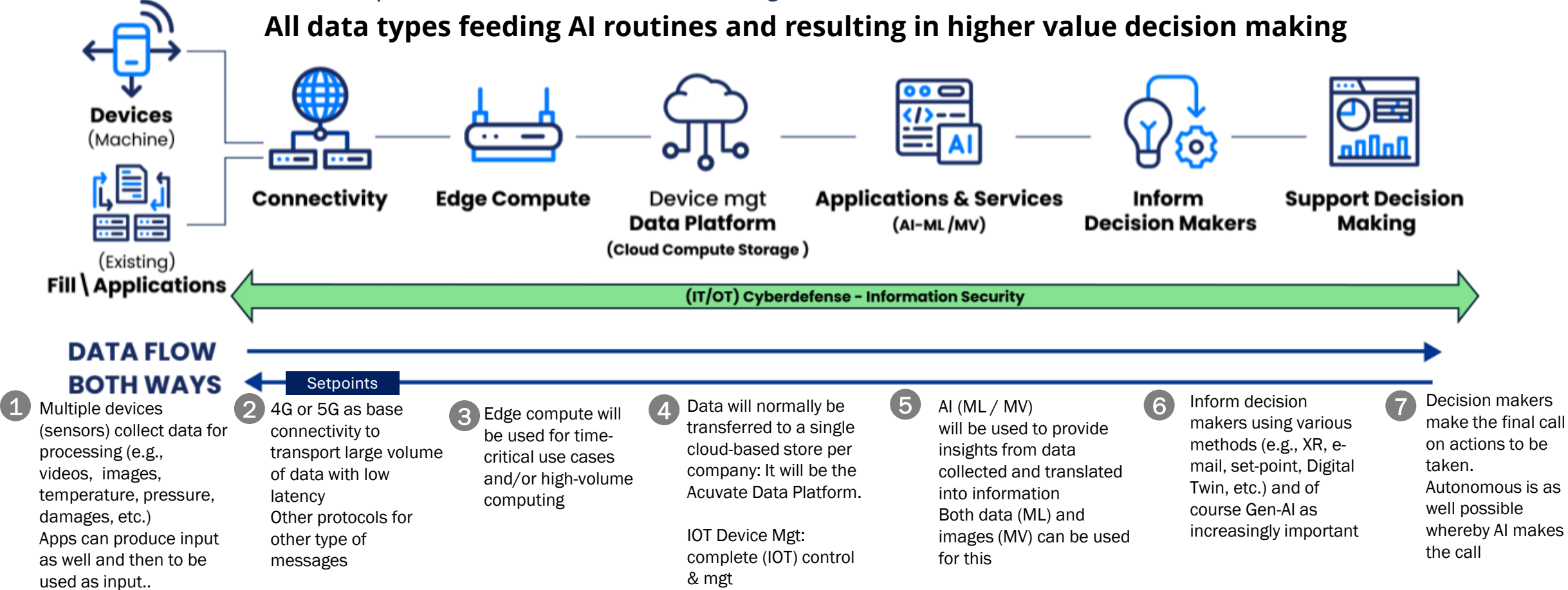
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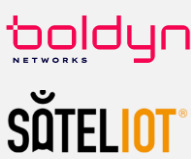
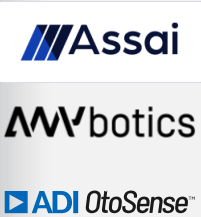
Acuvate's Standard Digital Framework + Partners



Acuvate's framework, to Modernize, Optimize and Transform businesses to Digital Decision Automation



PARTNERS



ACUVATE

Where Acumen Drives Innovation

We are a global player in next-generation digital solutions & services that modernize, automate and transform enterprise applications. With over 17 years of experience, we have been enabling our clients globally to steer their digital transformation strategy using Cloud, Data & AI. We build & develop smart & sustainable solutions to help our customers transform their conventional processes to match the next-generation technological trend. We have a strong presence in the US, Europe, and Middle East, where we serve multiple ultra-large customers as well as SMBs from various sectors such as Public Sector, CPG, Retail, Oil & Gas, Energy, Manufacturing, BFSI, Healthcare, etc.

We specialize in New-age AI solutions, Migration & Modernization, Data & Analytics, Digital Workplace Solutions - like Power apps, Teams apps, Virtual Agents and more. We have transformed several reputed enterprises globally, including many Fortune 500. With our multi-skilled experts and packaged AI accelerators, we deliver unparalleled efficiencies and accelerate time-to-value for our customers.

Contact: info@acuvate.com

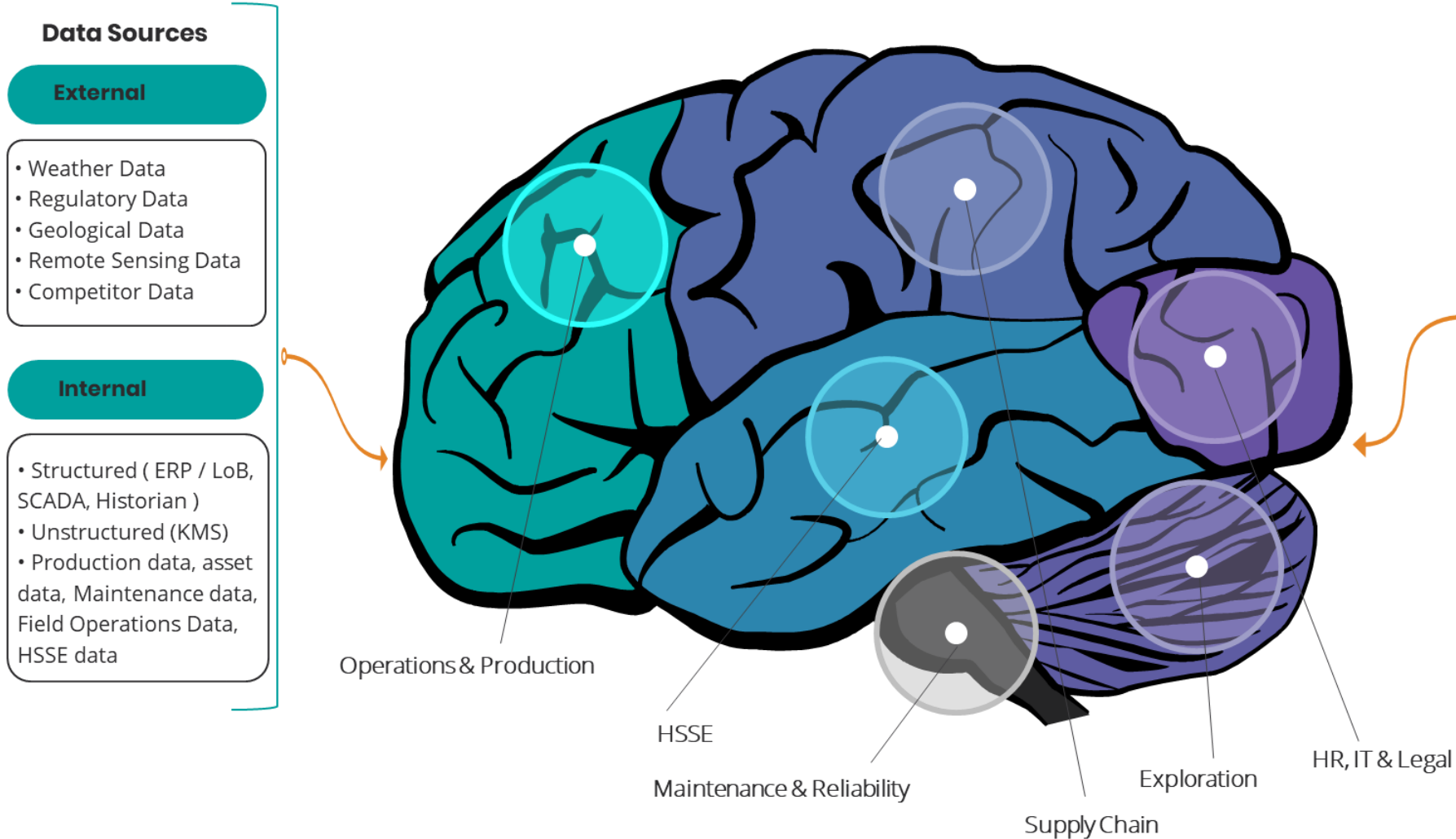


THANK YOU

acuvate[®]
... where Acumen drives Innovation

Org Brain for Energy (Oil and Gas)

Acuvate's framework, constructed using Azure Open AI, aims to facilitate industries in expediting their AI advancements.



User Personas



Production Operations

- What was the production last week?
- Predict next weeks oil production in Trinity Field.



HSSE

- Show the number of HSSE incidents last week by field.
- What are the topmost reasons for worker accidents last month?



Field Supervisor

- What is the issue with Well 25, why is it down?
- Which steam turbine sensors are reading outside normal range?



Maintenance Worker

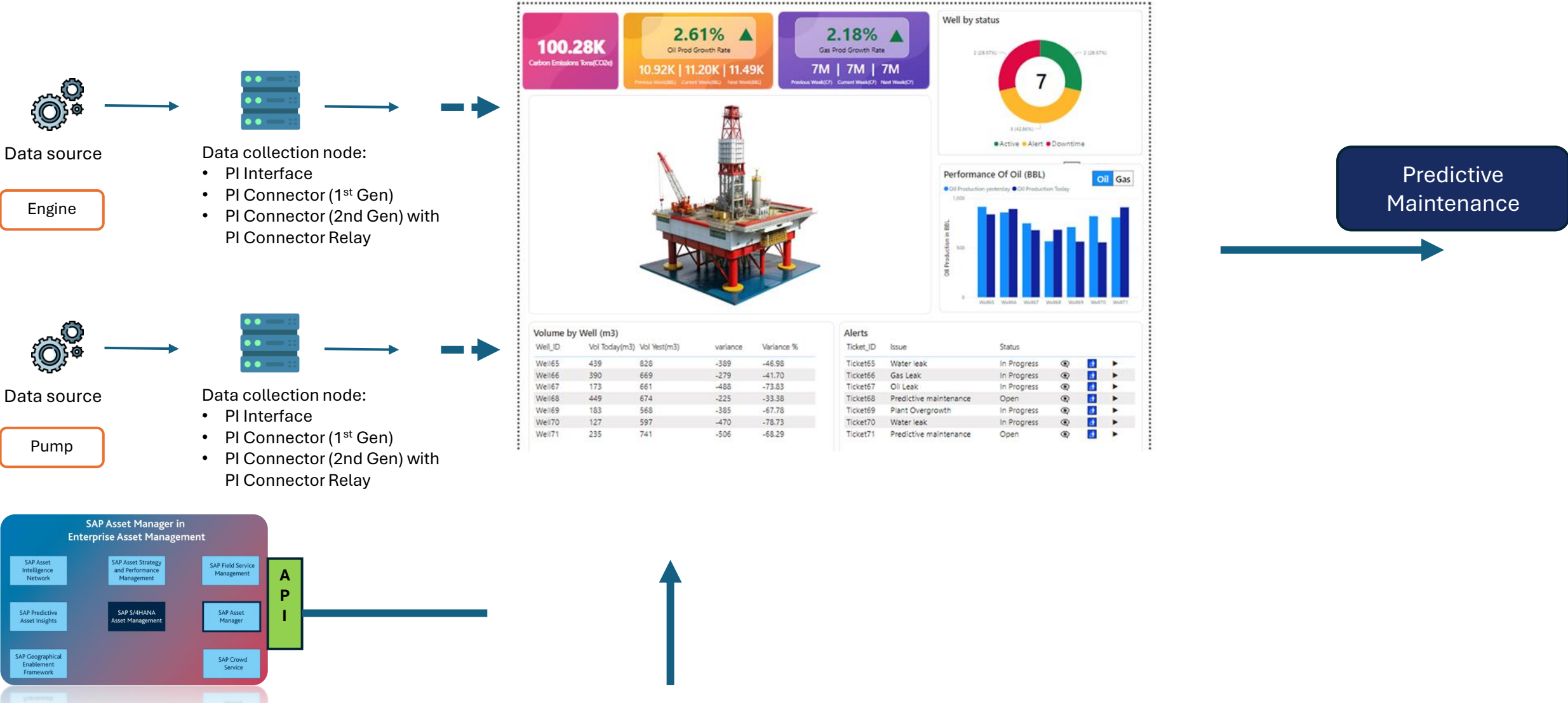
- How to change the drive belt of the compressor?
- Check when the contract for steam turbine s002 is due for renewal?



Quality

- What is the procedure to perform cleaning in place? Please tell me about Manual Scanning Systems

Acuvate: Data collection and storage → Predictive Maintenance



Acuvate: Data collection and storage → Spillage / Leakage (oil/gas production platform)

