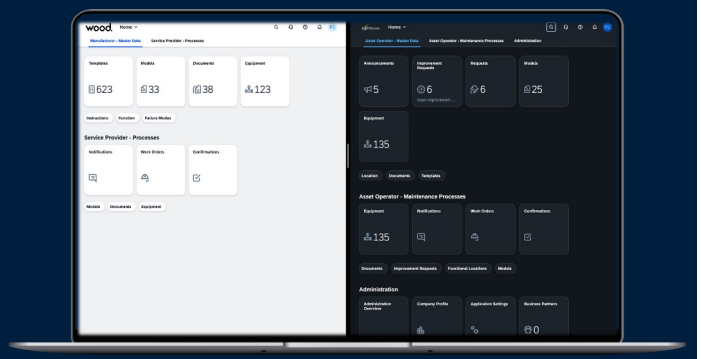
Transforming Asset Maintenance Through Connected Maintenance Collaboration

SBN Asset & Energy Day 2026 @Equinor

Helena Bjørndal I Rajarshi Ghosh I Fabian Sommer

Stavanger, 25.03.2026



If data is so important, then we should also think about how we can standardise, integrate and efficiently exchange data across company boundaries with our business partners.

Lighthouse SAP wood.

Collaboration from the perspective of a service provider

Lighthouse SAP wood.

Wood is a global leader in consulting, engineering, and **operation and maintenance** across Energy, Renewables, Nuclear, Refining, Petrochemicals, Pharma, Utilities, and Mining

160+
years' history

35k
people

60
countries

400
offices

$5.5bn
revenue, incl 22% from sustainable solutions

#1
Top Consultancy Award (IChemE 2022)

AA leader
for environmental, social and corporate governance

11k+
Staff who are delivering maintenance and operation for our global clients

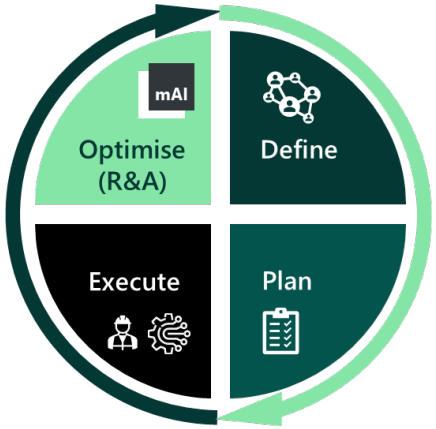
Ranked in top three engineering firms
in Oil & Gas, Refining & Petrochemicals, Specialty Chemicals & Mining (ENR 2022)

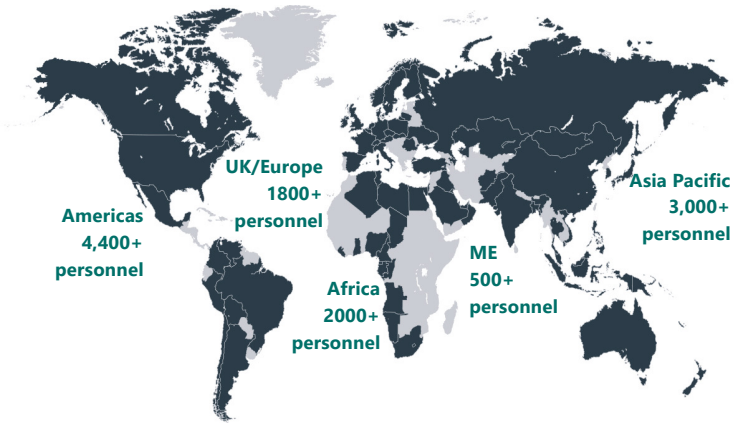
wood.
a Sidara company

Operation and Maintenance

Services

- **A complete toolbox of maintenance, preservation, shutdown/ turnaround (TAR) or routine services.**
- Rotating and Static equipment maintenance
- Manpower provision to full-service offering
- Integrated Asset and Activity Planning
- Work Preparation and Scheduling
- **Strategy Optimisation and Reliability Reviews**
- Backlog assessment and reviews
- Remote planning preparations for site delivery
- Team assessment and organization for optimal delivery
- Ongoing work or Campaign delivery options
- Risk based approach through preventative to predictive and ultimately prescriptive approaches.
- Digital enabled and supported remotely to capture and assist in diagnosis and or execution.
- Digital dashboards connected to the CMMS to provide accurate information wherever you are
- **Materials Management**





Globally 11,000 plus In Operations and Maintenance

Facts and Figures

Footprint

Over 11,000 O&M Personnel Globally

>$5m

Over $5m per year in reduced maintenance costs

30% Reduction

in equipment Maintenance Workload via *maintAI*

20%+

We support the process of 20% plus of the UK gas from offshore

~50%

Increase in Reliability

wood.

Challenge

- Complex delivery models are increasingly required to maximize value in an era of extreme competitiveness and cost sensitivity
- Delivery typically involves partnerships between multiple parties—large and small—with differing execution, data ownership, and quality assurance models, creating coordination challenges
- Asset and maintenance data are often fragmented across operators, OEMs, EPCs, and contractors, limiting effective collaboration and lifecycle optimisation
- This fragmentation can constrain Wood's ability to consistently apply its engineering, reliability, and asset performance expertise at scale
- Wood is interested in exploring whether platforms such as SAP Business Network Asset Collaboration (BNAC) could help reduce data friction and better enable integrated, lifecycle-oriented service delivery

Collaboration from the perspective of SAP

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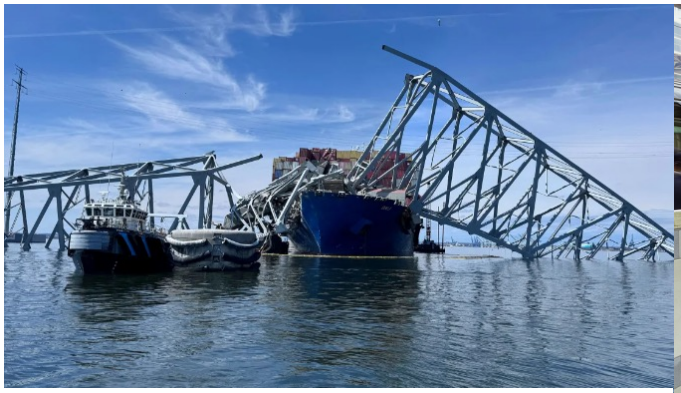
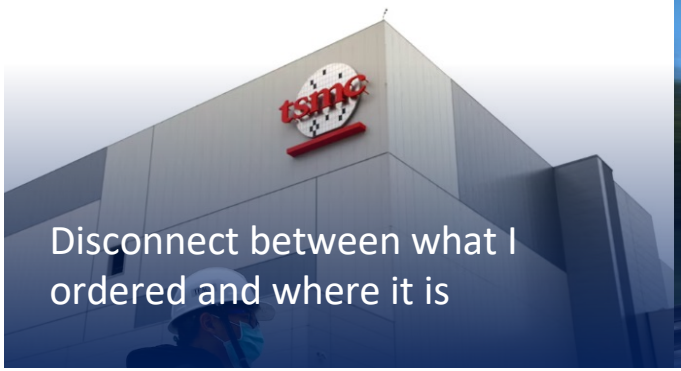
Restricted visibility and collaboration creates hidden risks to your business



Taiwan quake to hit some chip output, disrupt supply chain, analysts say

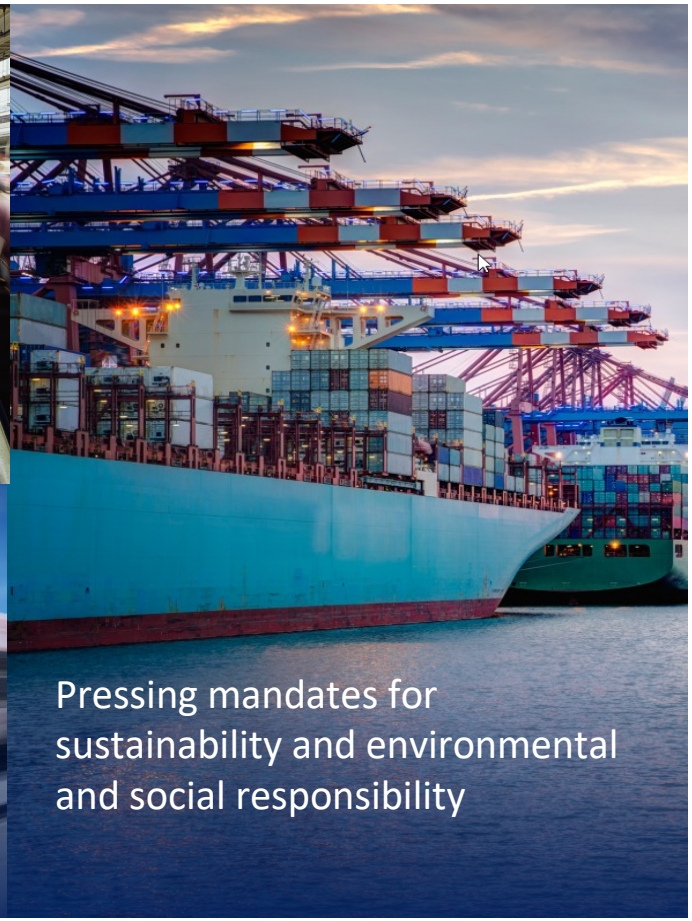
By **Liam Mo** and **Brenda Goh**

April 4, 2024 3:57 AM GMT+2 · Updated 15 days ago



Disconnect between what I ordered and where it is

Disconnect between the work that needs to be done and who performs it

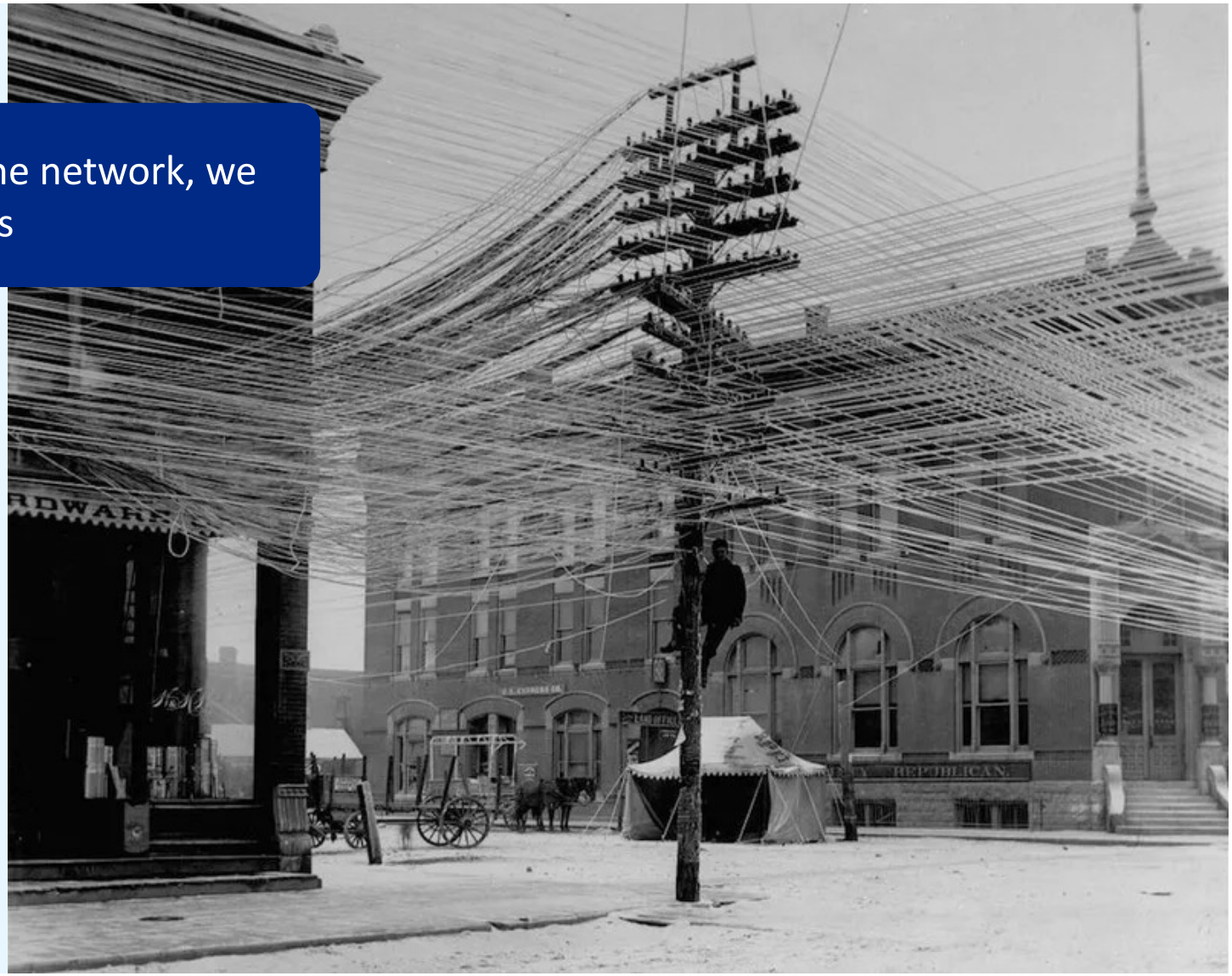


Pressing mandates for sustainability and environmental and social responsibility

It’s like the best Smart Phone in the world…

…without the SIM card

Before we had a phone network, we had peer-to-peer lines



SAP Business Network | multifaceted & multi-tiered

Tier 1 Network

Digitalize B2B connections to help companies:

- Gain speed and efficiency
- Increase visibility and transparency
- Improve security and compliance
- Achieve working capital goals

B2B Marketplace

Establish a public marketplace to help companies:

- Search and discover for supply and demand
- Trading partner profiles and directory
- Obtain network insights, industry, and category benchmarks

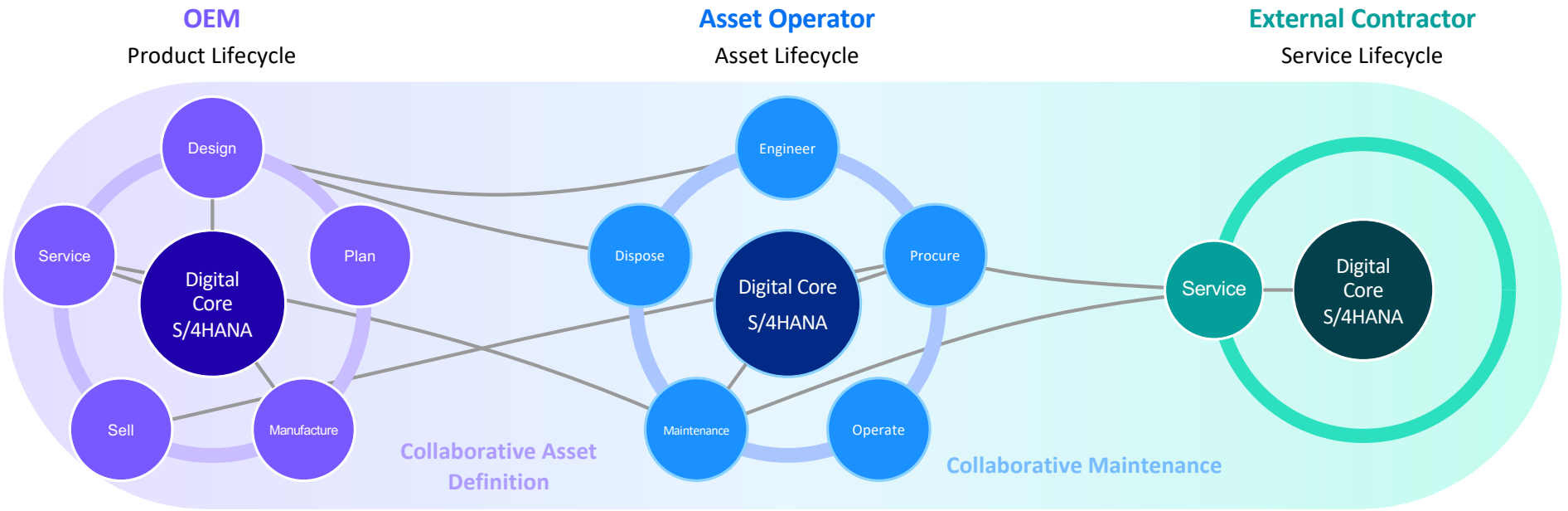
Tier n Network

Build value chain / industry networks to help companies:

- Gain multi-tier visibility
- Become resilient to supply chain disruptions and lower risks
- Achieve sustainability goals

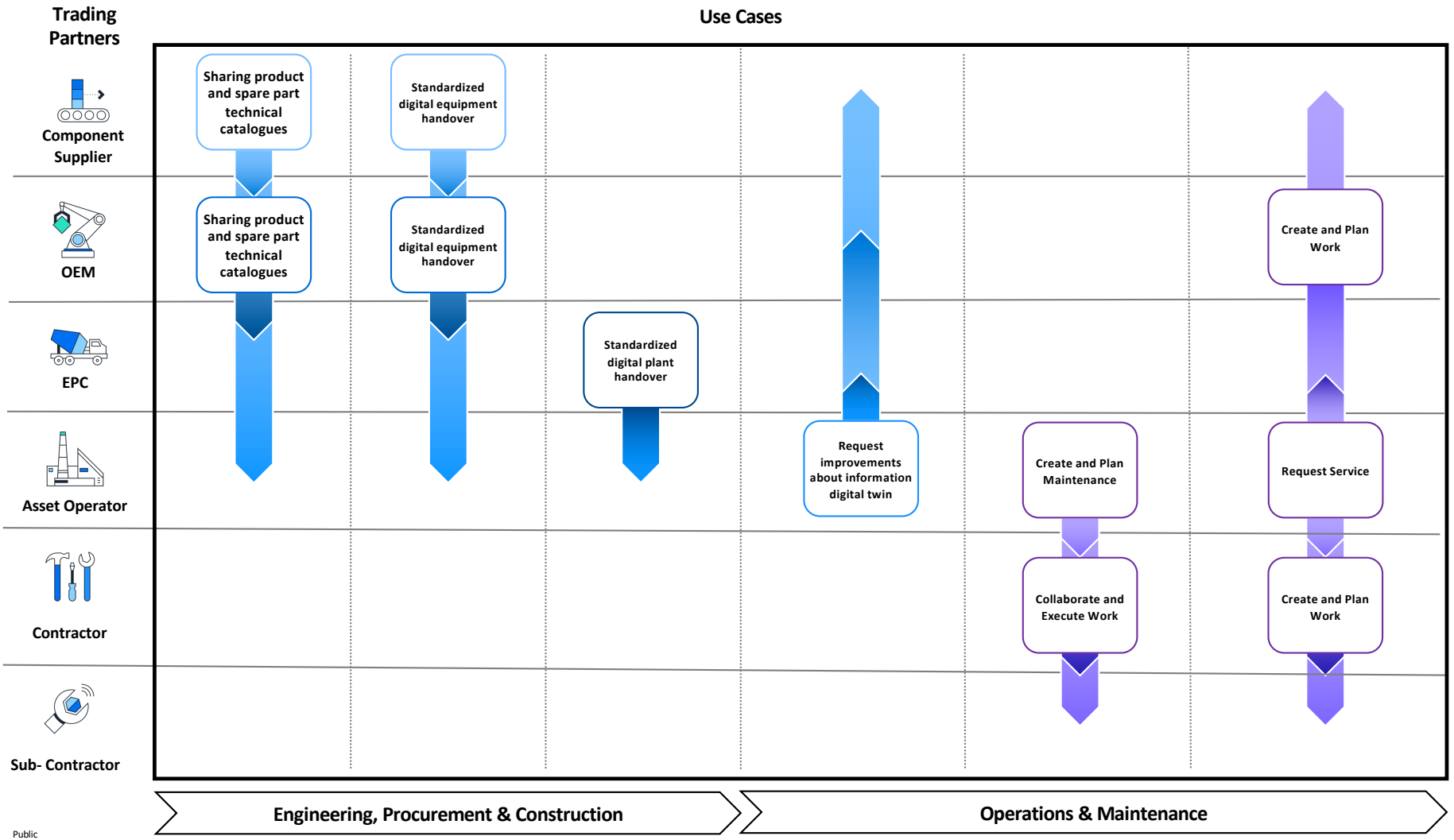
Asset and Product Lifecycle

BNAC - Connect trading partners to transform highly fragmented asset management practices



SAP Business Network Asset Collaboration

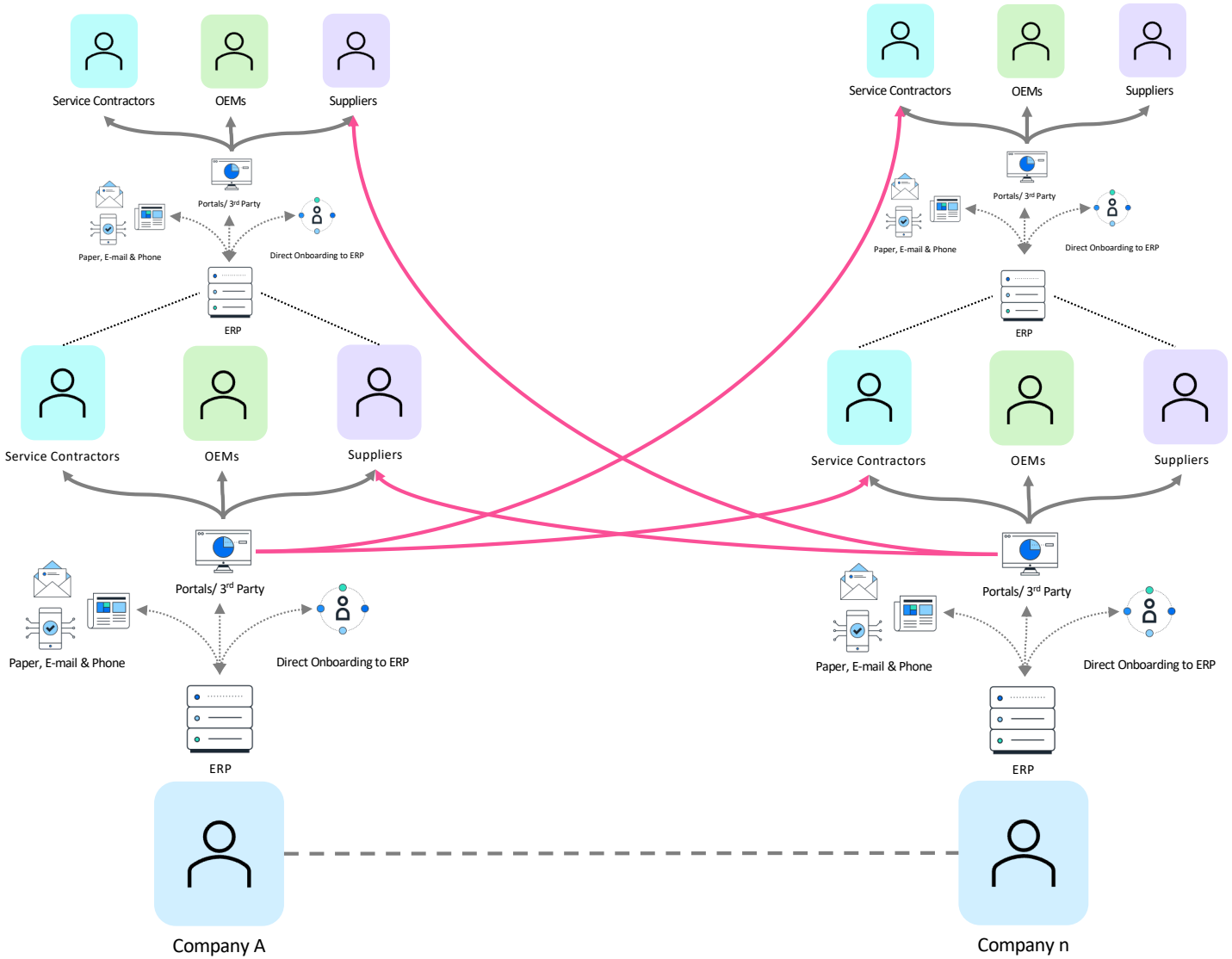
Breaking Asset and Product Lifecycle silos for dedicated asset-management related collaborative scenarios


Trading Partners
Use Cases
Component Supplier
OEM
EPC
Asset Operator
Contractor
Sub- Contractor
Sharing product and spare part technical catalogues
Sharing product and spare part technical catalogues
Standardized digital equipment handover
Standardized digital equipment handover
Standardized digital plant handover
Request improvements about information digital twin
Create and Plan Maintenance
Collaborate and Execute Work
Create and Plan Work
Request Service
Create and Plan Work
Engineering, Procurement & Construction
Operations & Maintenance

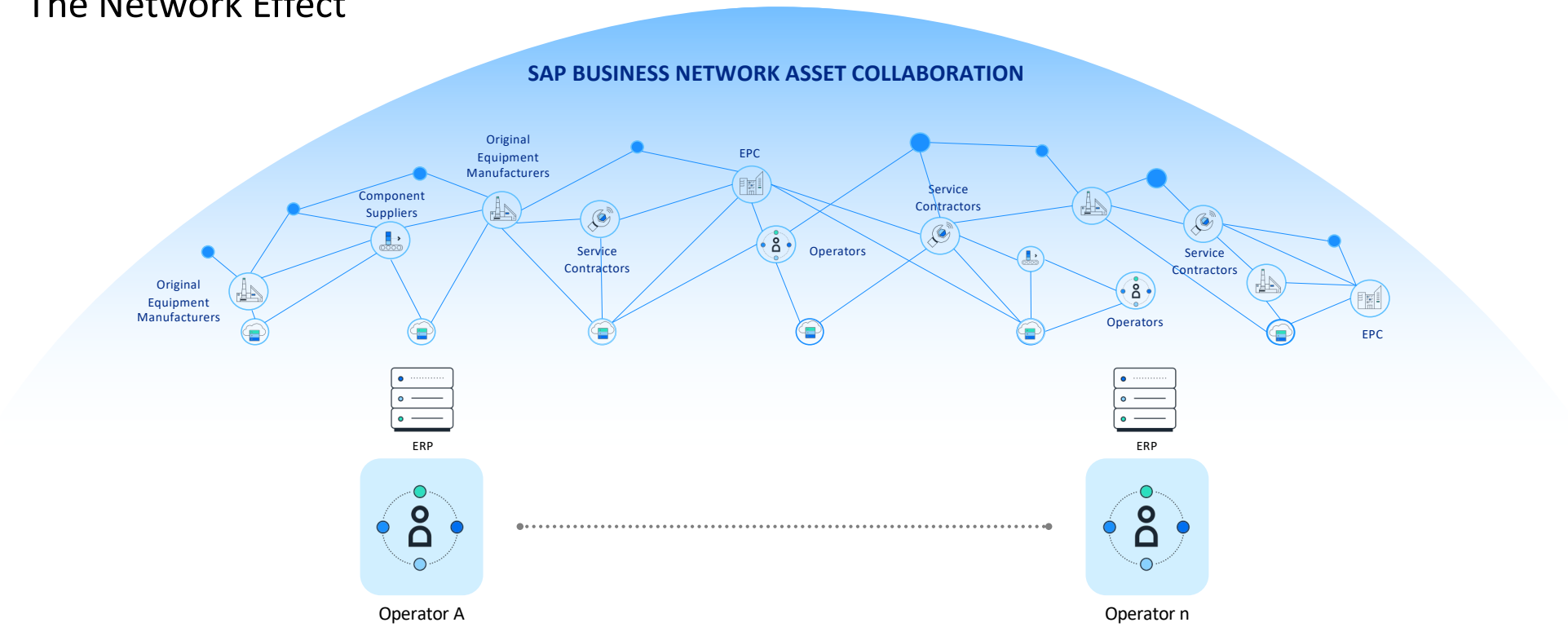
Collaborative Maintenance

Today's Challenge

N-Tier



The Network Effect



- Seamless business process integration
- Multi-tier connectivity with your partners, across the supply chain.

- Shared platform for maintenance execution
- Centralized access to all maintenance information
- Multi-ERP support and API extensibility.

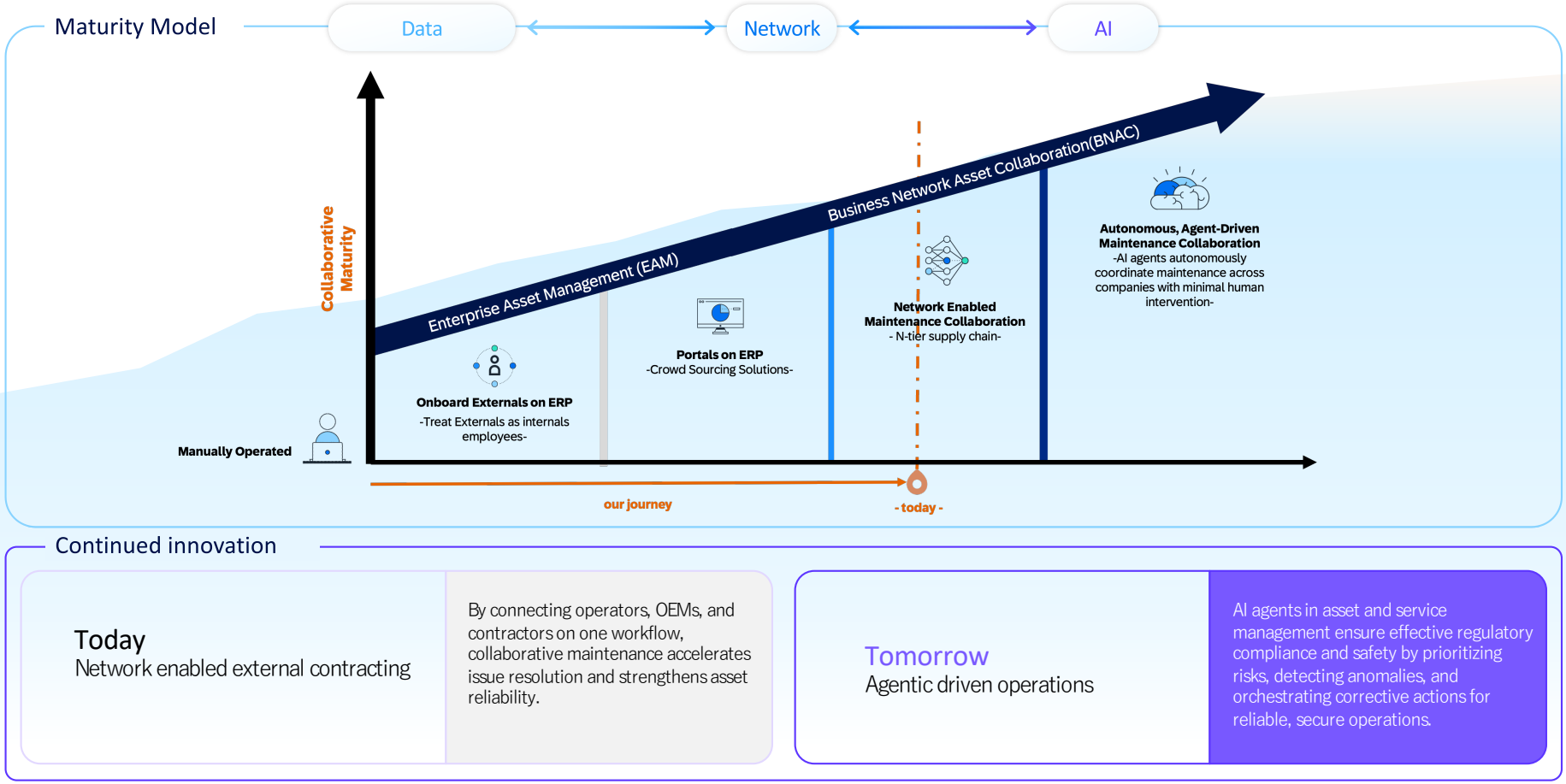
- Improved performance and safety
- Community Intelligence

The Network Advantage Over Isolated Portals

	SAP Business Network Asset Collaboration	Portal Solutions
Operational Data Sharing	End-to-end service & asset data shared in real time across partners	Isolated, operator-specific uploads, no reuse
Contractor Onboarding	Single identity, reusable across all operators on the network	Repeated onboarding in each portal
Maintenance Transparency	Full visibility: processing, compliance, performance	Limited view, siloed reports per portal
Integration with Multi-ERP	Deep SAP integration; updates flow directly into maintenance systems	Manual data entry/export-import required.
Scalability & Network Effect	Many-to-many: suppliers, OEMs, and contractors connected	One-to-one: each operator builds their own silo

Next Generation Asset Maintenance

Collaborative Maintenance



Continued innovation

Today
Network enabled external contracting

By connecting operators, OEMs, and contractors on one workflow, collaborative maintenance accelerates issue resolution and strengthens asset reliability.

Tomorrow
Agentic driven operations

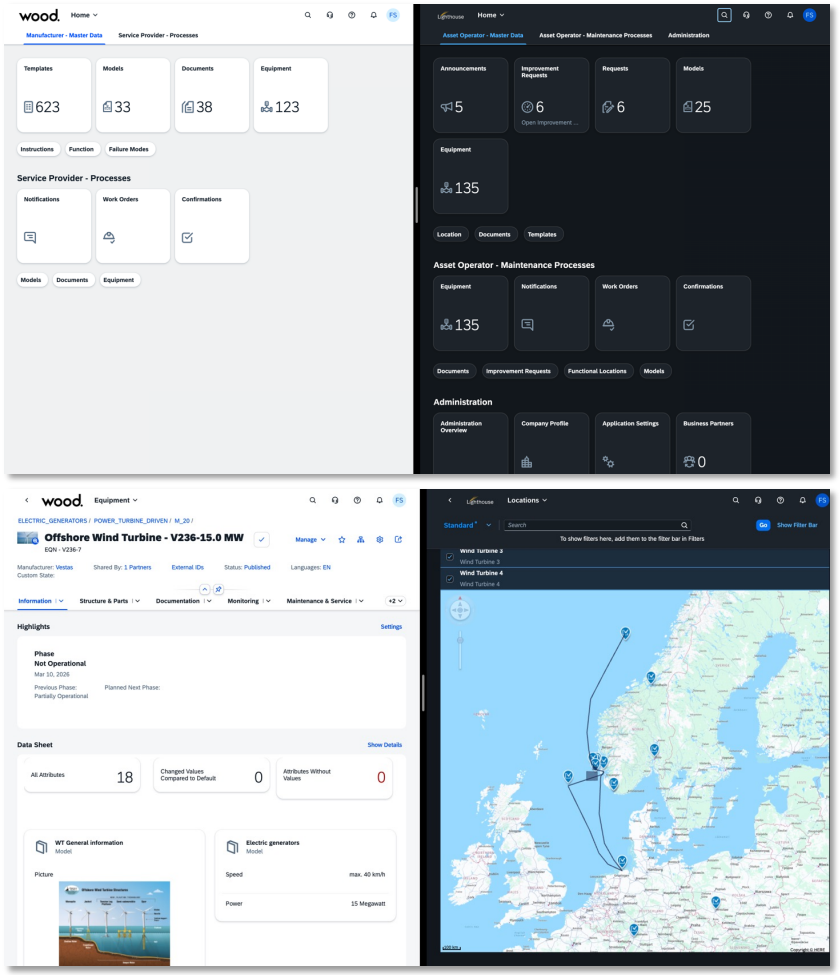
AI agents in asset and service management ensure effective regulatory compliance and safety by prioritizing risks, detecting anomalies, and orchestrating corrective actions for reliable, secure operations.

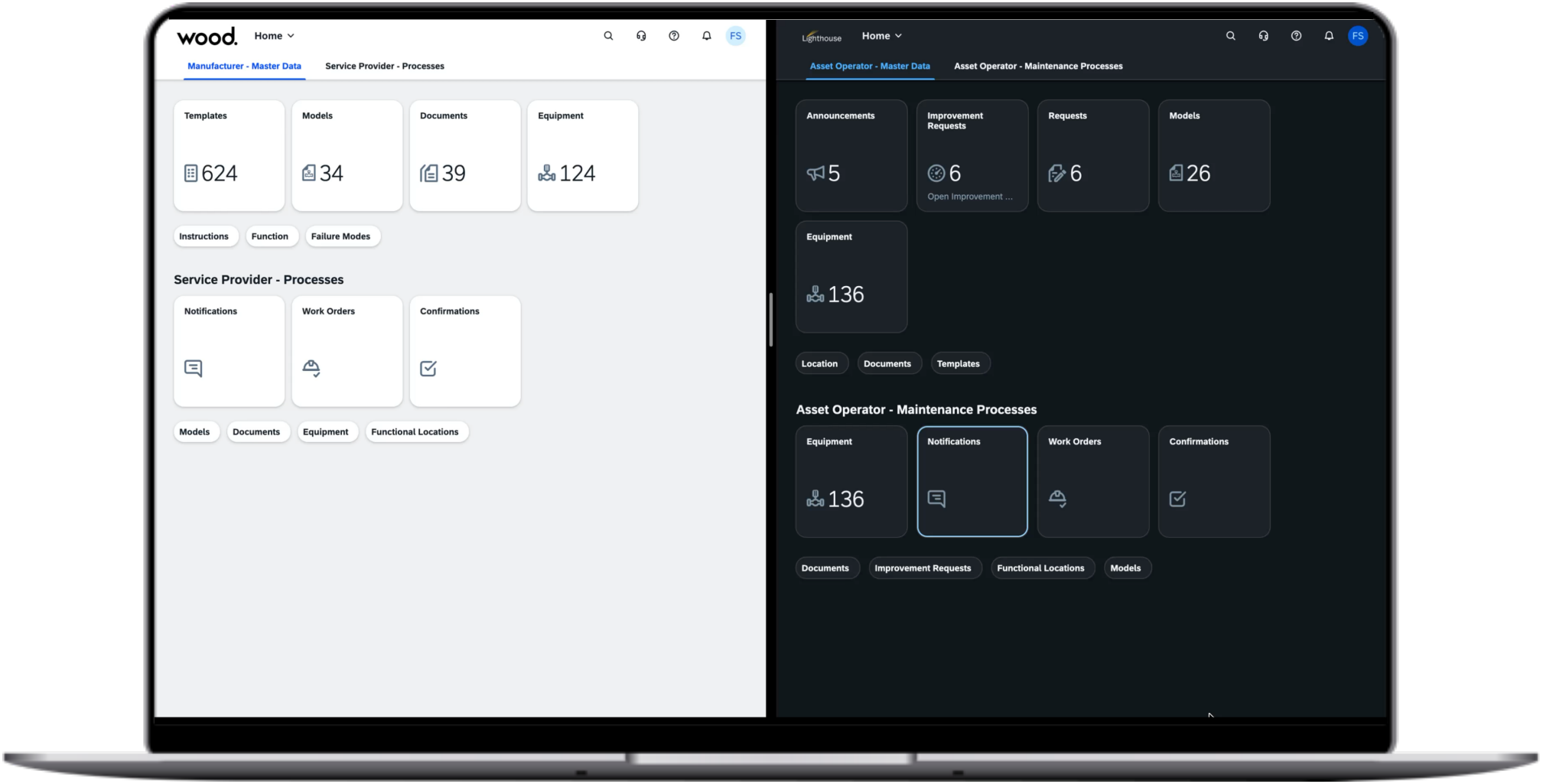
How SAP Business Network Asset Collaboration looks like – System Demo

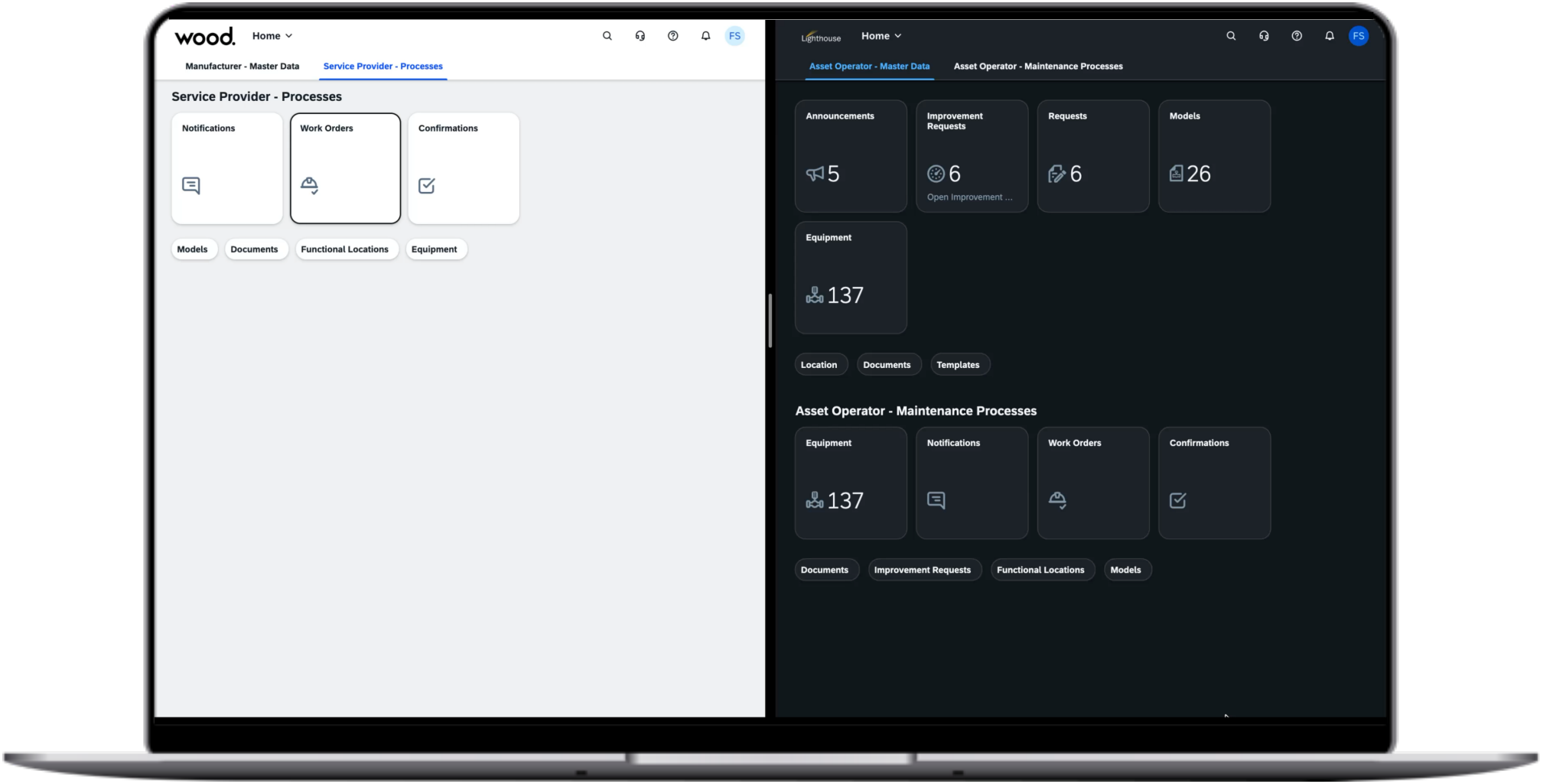
Lighthouse SAP wood.

System Demo

- Master Data Maintenance Management Process
- Work Order Collaboration in the context of Modifications




wood.
Home
FS
Manufacturer - Master Data
Service Provider - Processes
Templates
624
Models
34
Documents
39
Equipment
124
Instructions
Function
Failure Modes
Service Provider - Processes
Notifications
Work Orders
Confirmations
Models
Documents
Equipment
Functional Locations
Lighthouse
Home
FS
Asset Operator - Master Data
Asset Operator - Maintenance Processes
Announcements
5
Improvement Requests
6
Open Improvement ...
Requests
6
Models
26
Equipment
136
Location
Documents
Templates
Asset Operator - Maintenance Processes
Equipment
136
Notifications
Work Orders
Confirmations
Documents
Improvement Requests
Functional Locations
Models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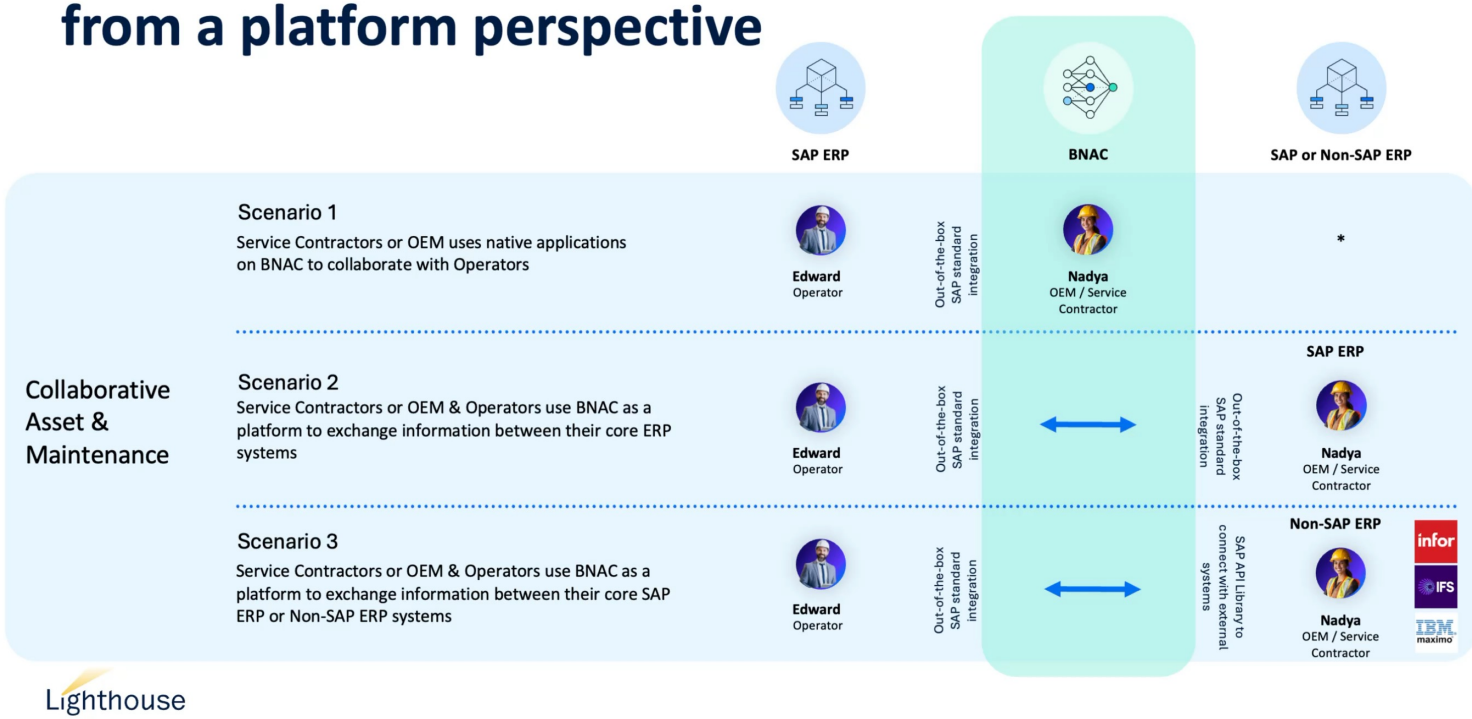
Functional Locations
Models

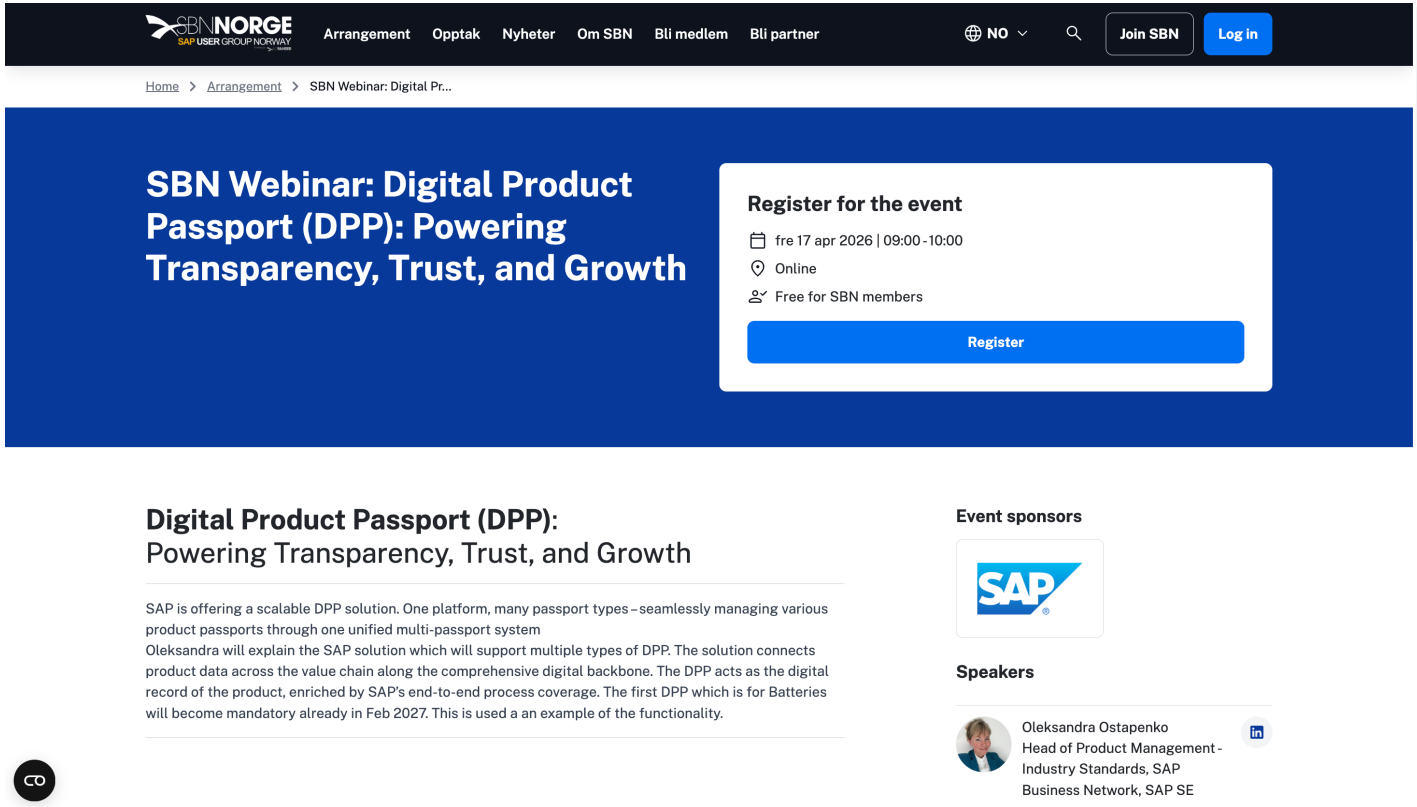
SAP Business Network Asset Collaboration Scenario's from a platform perspective



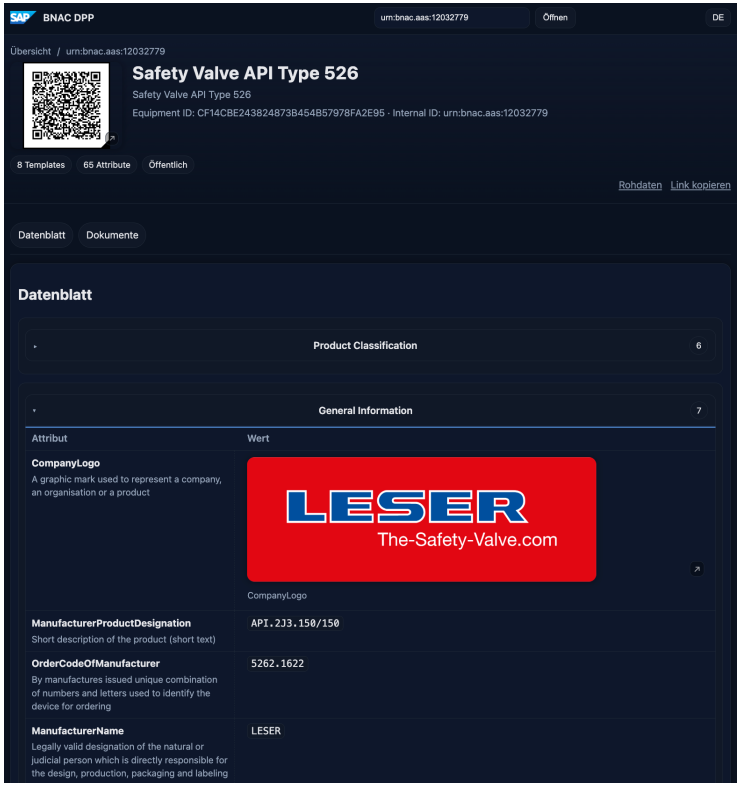
Lighthouse

Digital Product Passport (DPP) via SAP BNAC

Scan me



Digital Product Passport (DPP) via SAP BNAC



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