

AVEVA PI WORLD

AVEVA and ABS My Digital Fleet™

Expanding IIoT Capabilities and Smart Operations

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AVEVA



About ABS

Safety and Excellence

Mission:

To serve the public interest as well as the needs of our members and clients by promoting the security of life and property, and preserving the natural environment.

Overview:

- Founded in 1862 as Not-for-profit
- 5,000 employees across 70 countries
- ISO 9001 and 14001 Certified
- 11,800 vessels totaling 270 mgt currently classed ABS
- Over 1,200 new construction ships under survey



About ABS Digital Solutions

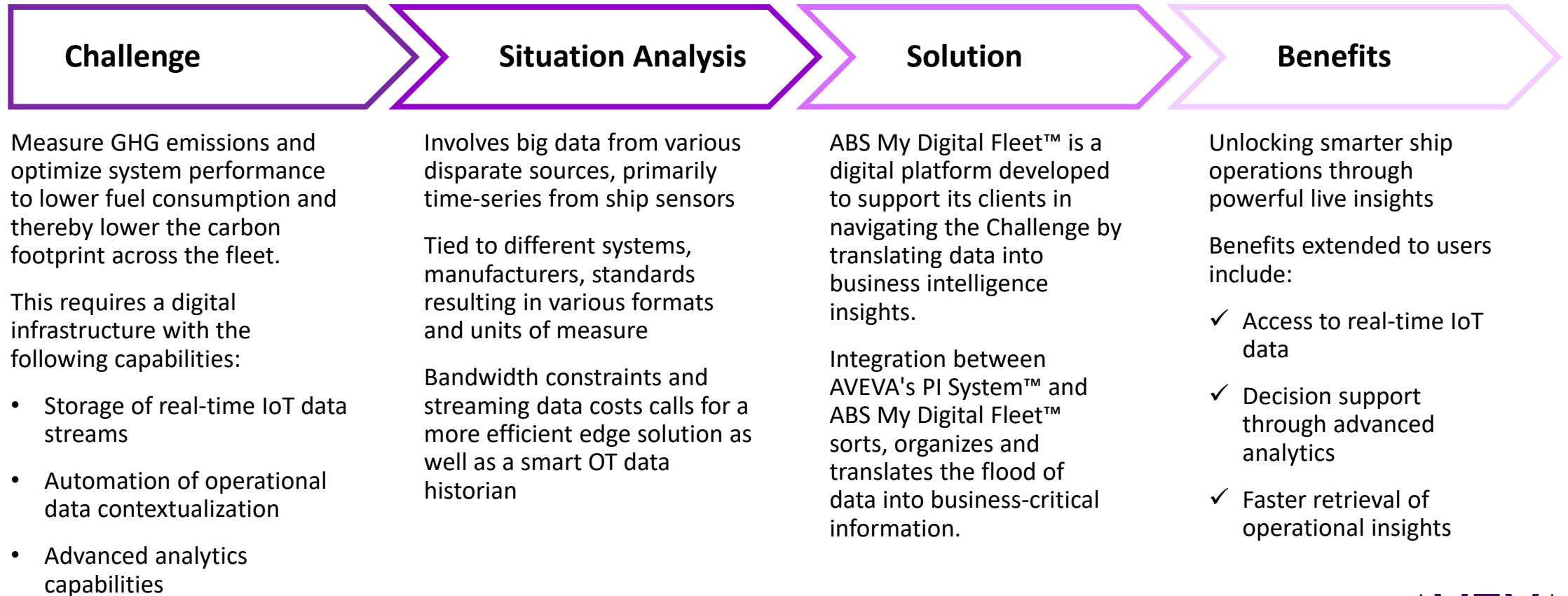
Leading the Future

Chartering maritime industry's journey through digitalization and decarbonization with business intelligence solutions.

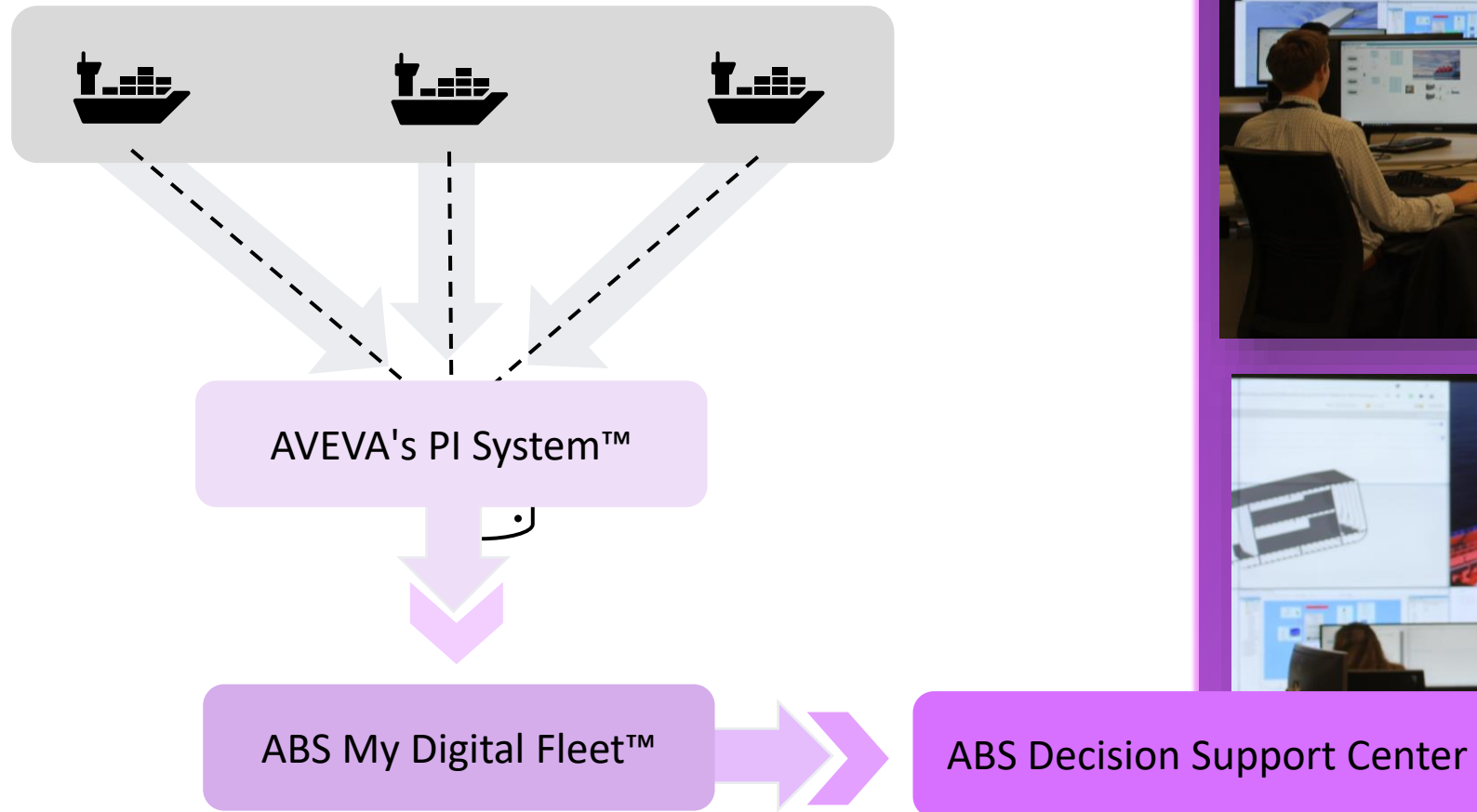
About ABS My Digital Fleet™

ABS My Digital Fleet™ is the only customizable risk management platform that seamlessly integrates data to provide real-time insights for driving sustainable operations and reducing operational risks.

Driving digitalization and decarbonization



Implementation





Digital Partnership: Client Use Case Example

- **Client:**

- Leading ship operator of crude supplies in North America
- Operates tankers in the Trans-Alaskan Pipeline System (TAPS) trade, lifting crude oil in Valdez, Alaska, and discharging at ports along the West Coast

- **Scope of Work Requirements:**

- Dashboard providing real-time visibility on energy management and fuel savings initiatives
- Monthly voyage performance reporting to monitor and track cost reduction
- Configurable vessel performance model with alerts for maintenance triggers

- **Solution:**

- Through the integration of ABS My Digital Fleet™ with AVEVA's PI System™, sensor data is ingested, then contextualized to support energy management, voyage optimization and condition-based maintenance

- **Business Outcomes:**

- Proactive and data-driven maintenance campaigns
- Daily insights on energy management initiatives that maximize savings.
- Operational excellence through an optimized energy management regiment based on routes and port activities.

Integration Benefits

AVEVA PI SYSTEM

The Input

CAPABILITIES:

- Edge Data Storage (EDS)
- PI Adapters

DESCRIPTION:

- Collects real-time data from remote assets and IIoT devices for intelligence that spans entire operations

ABS MY DIGITAL FLEET

The Output

PLATFORM ENHANCEMENTS:

- ✓ Ability to collect large quantities of sensor data from shipping fleets and analyze in real time
- ✓ Strengthens and expedites smart shipping operations
- ✓ Faster, smarter insights specific to voyage performance, fuel costs and decarbonization KPIs

“The success of the ABS My Digital Fleet™ Alliance Program underlines our commitment to working with leading innovators like AVEVA to bring the most powerful digital technologies to maritime professionals and users, unlocking advanced new capabilities that accelerate time to value for our clients.”

- Smarty Mathew John, Vice President of ABS Digital Solutions



Smarty Mathew John

Vice President, ABS Digital Solutions

- Email: smjohn@eagle.org
- Learn more about ABS My Digital Fleet™ :
<https://ww2.eagle.org/en/Products-and-Services/my-digital-fleet.html>

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