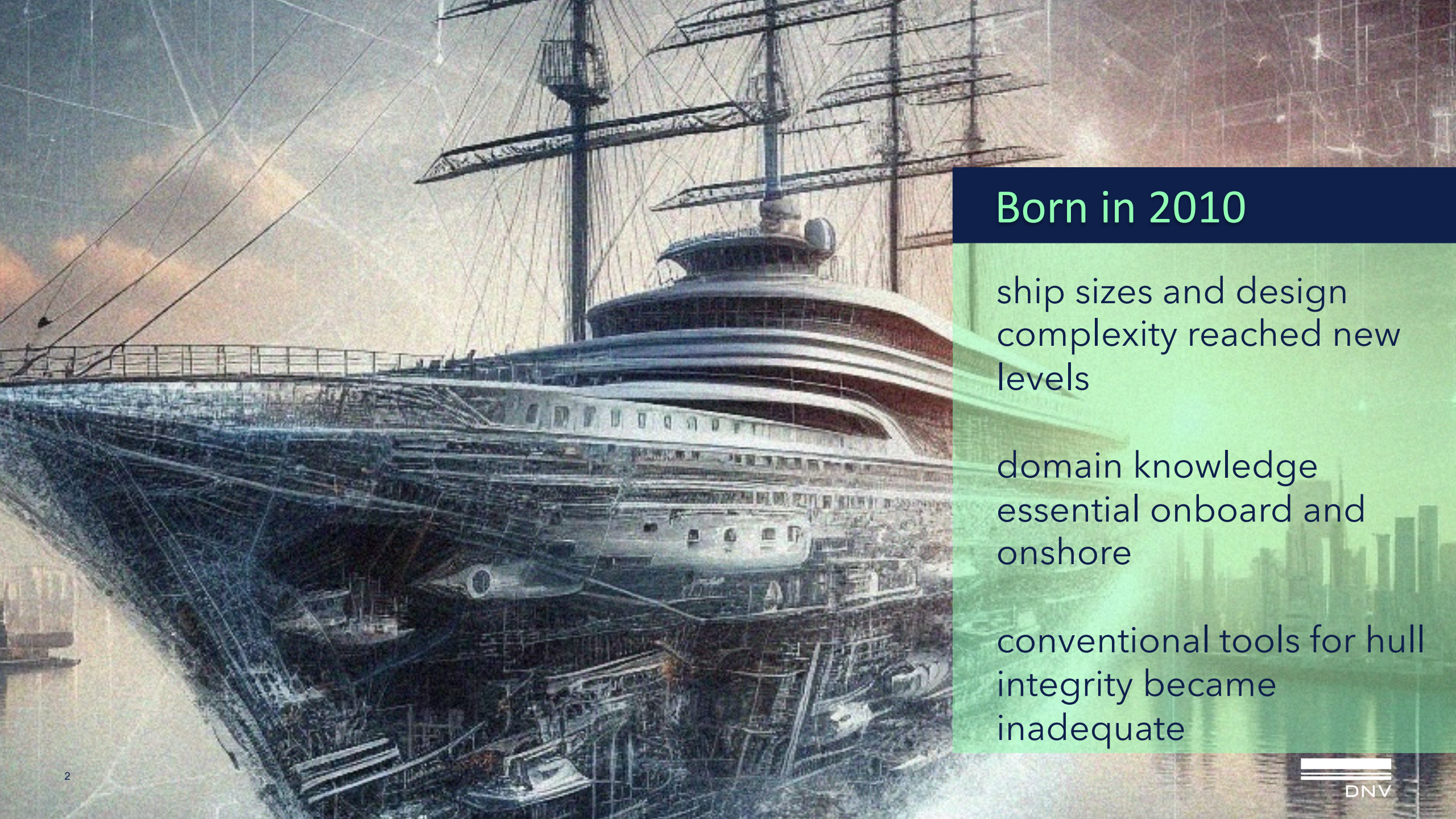
A story of solving hidden challenges

Sebastian Eggert, DNV

21 November 2023



Born in 2010

ship sizes and design complexity reached new levels

domain knowledge essential onboard and onshore

conventional tools for hull integrity became inadequate

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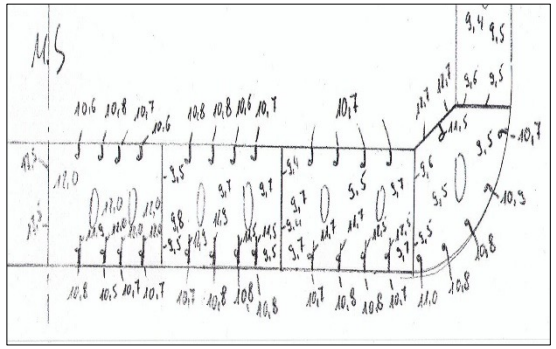
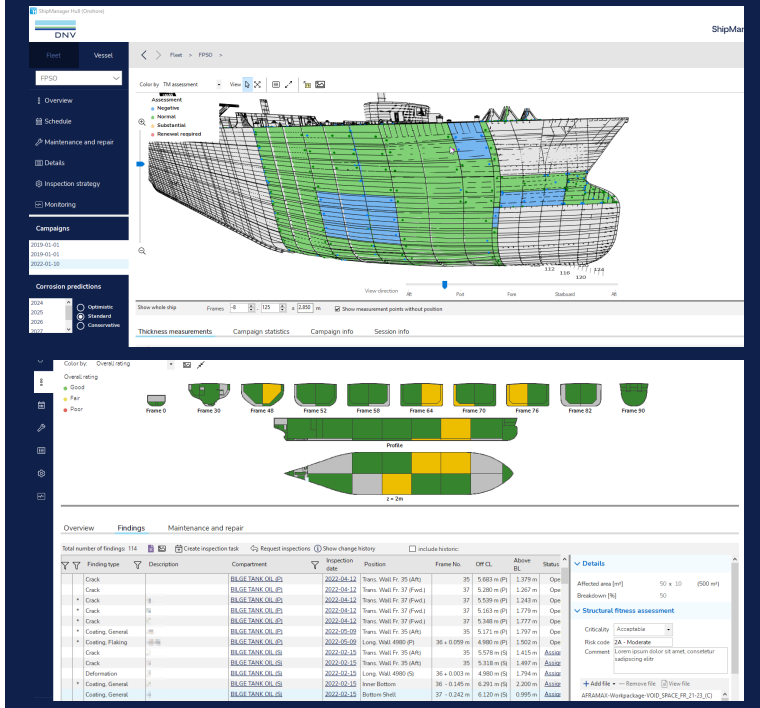
How to get from this …



Highly manual

… to this



Digital workflow

Superintendent / Naval Architect

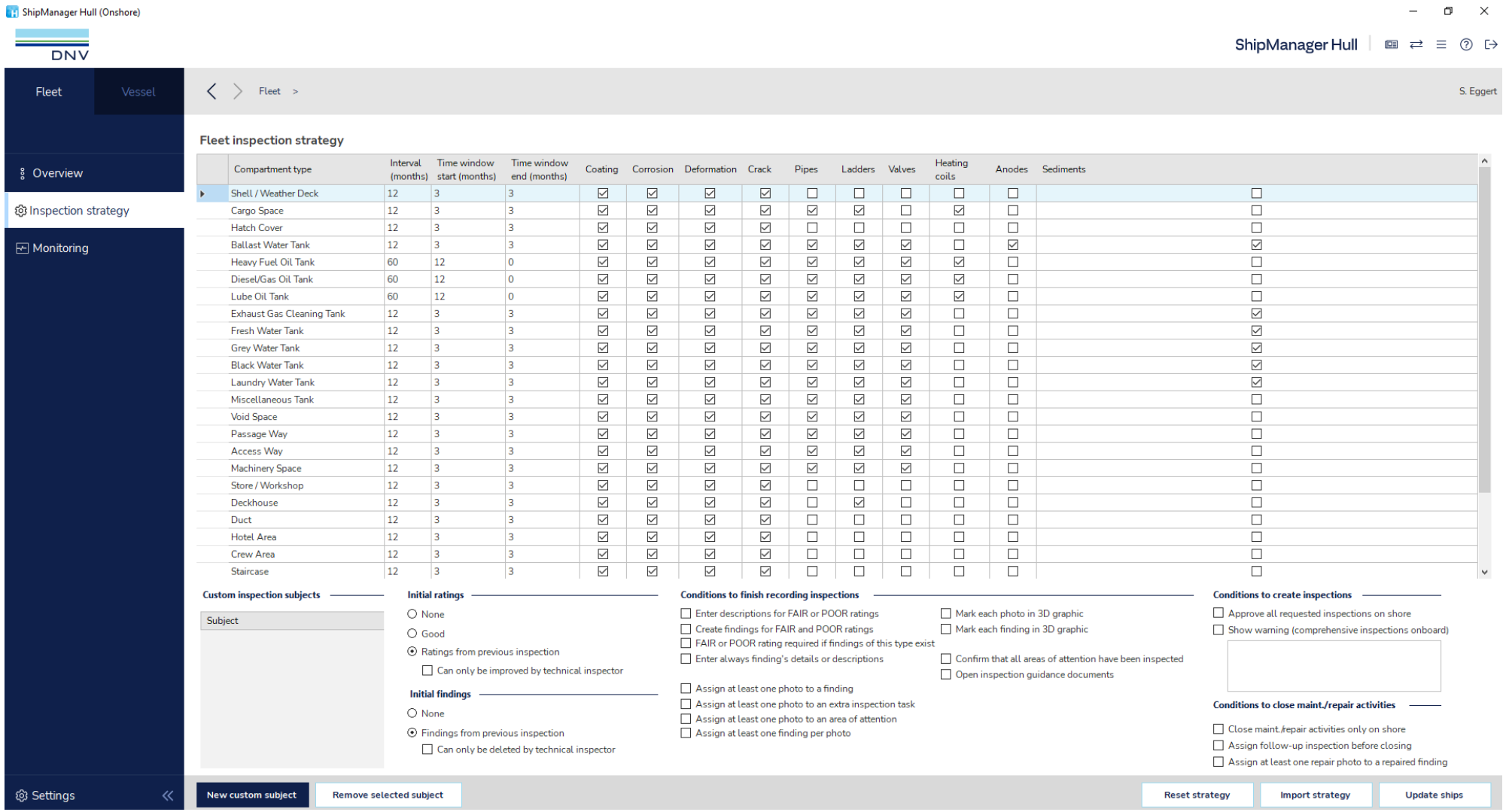
- Domain knowledge of hull architecture
- Inspection and maintenance strategy
- Safety and compliance
- Collaboration with external professionals

Crew

- Deck operations
- Navigation assistance
- Safety protocols
- Cargo handling
- Maintenance and repairs

How to standardize hull inspection strategies across the fleet?

Standardized Inspection Strategy



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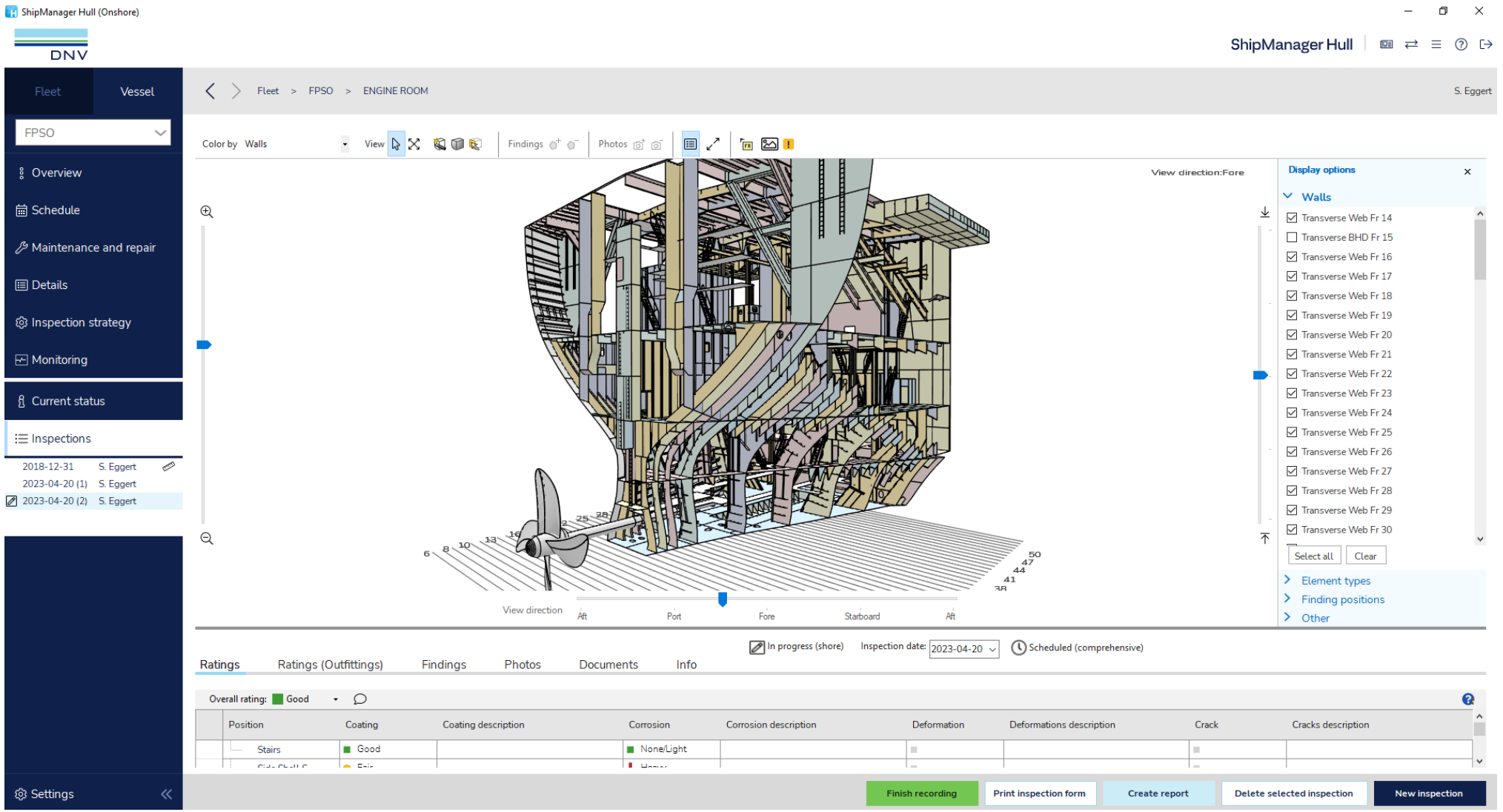
How to harvest and visualize hull data?

Easy-to-use 3D – Data Visualization



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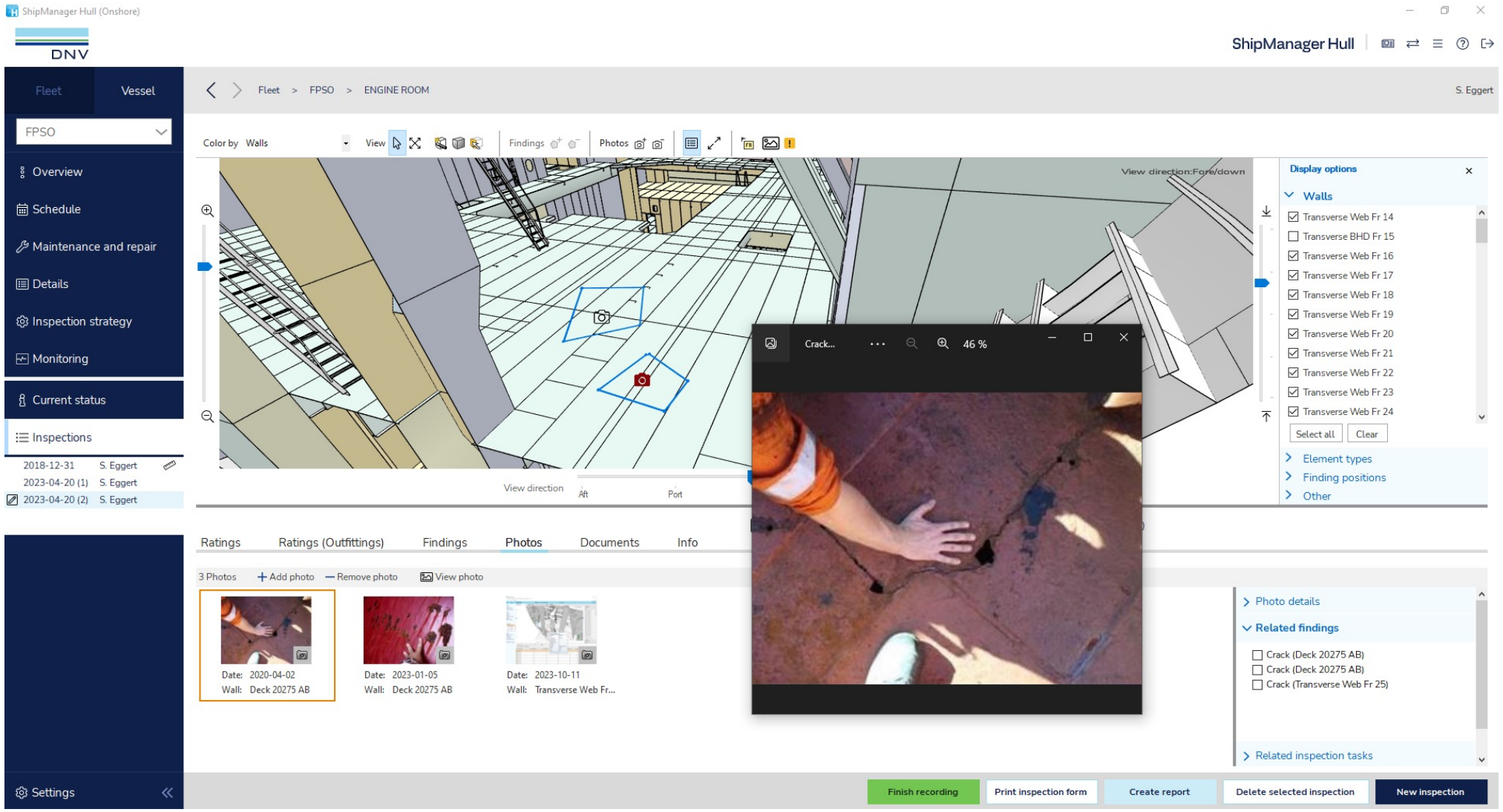
Easy-to-use 3D – Data Harvesting (simple reporting)



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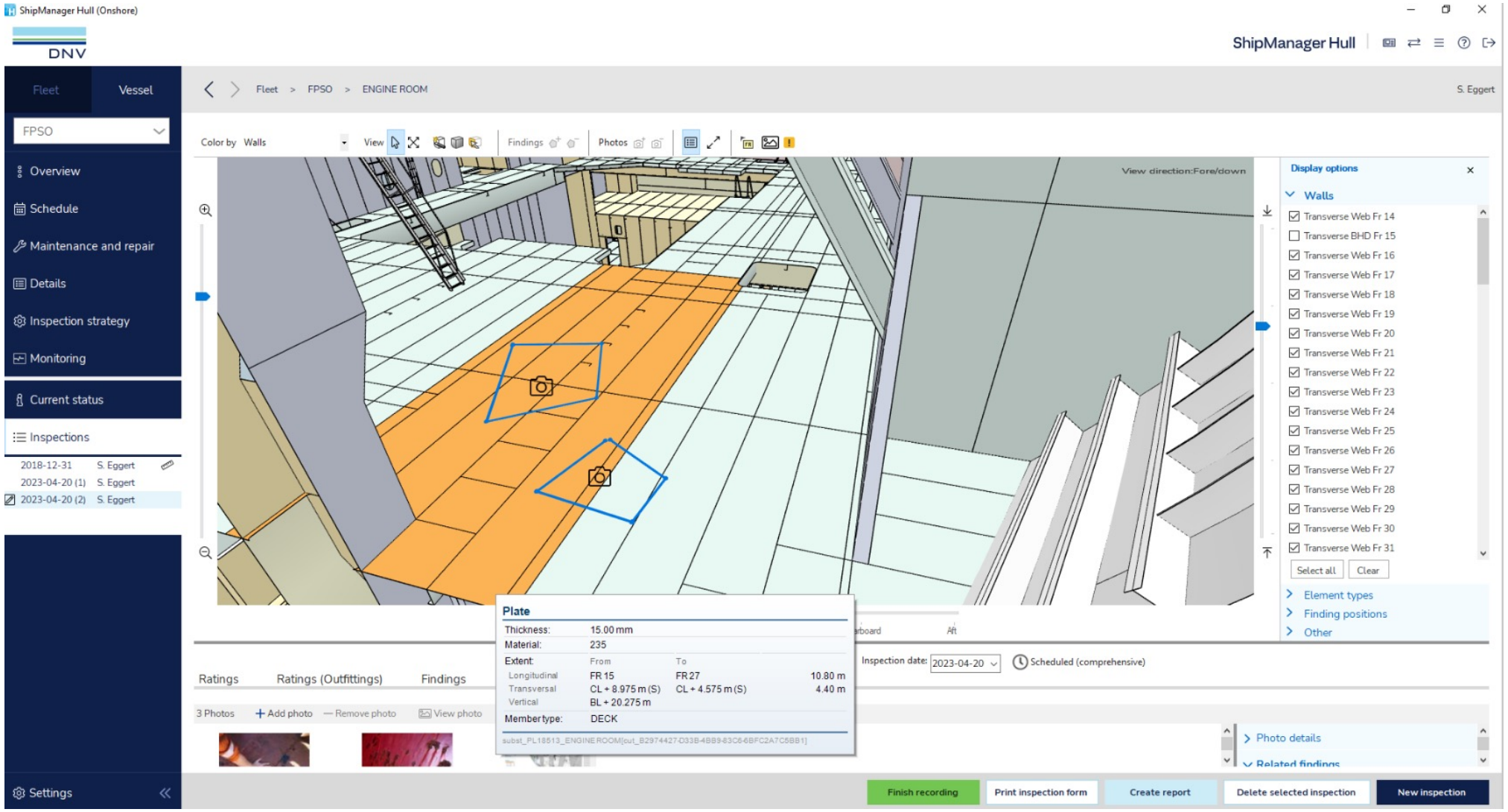
Easy-to-use 3D – Touchable Data



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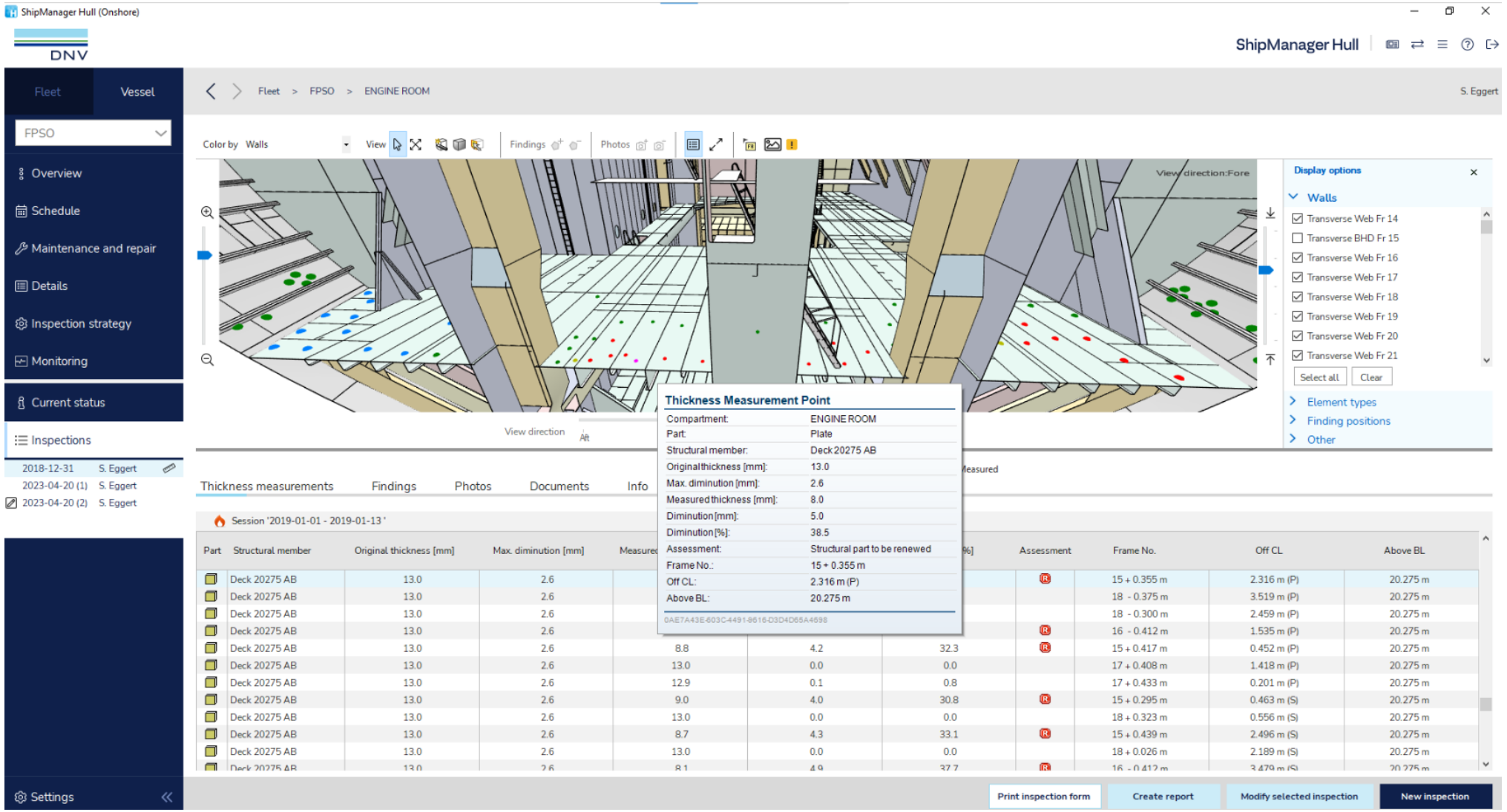
Easy-to-use 3D – Integration



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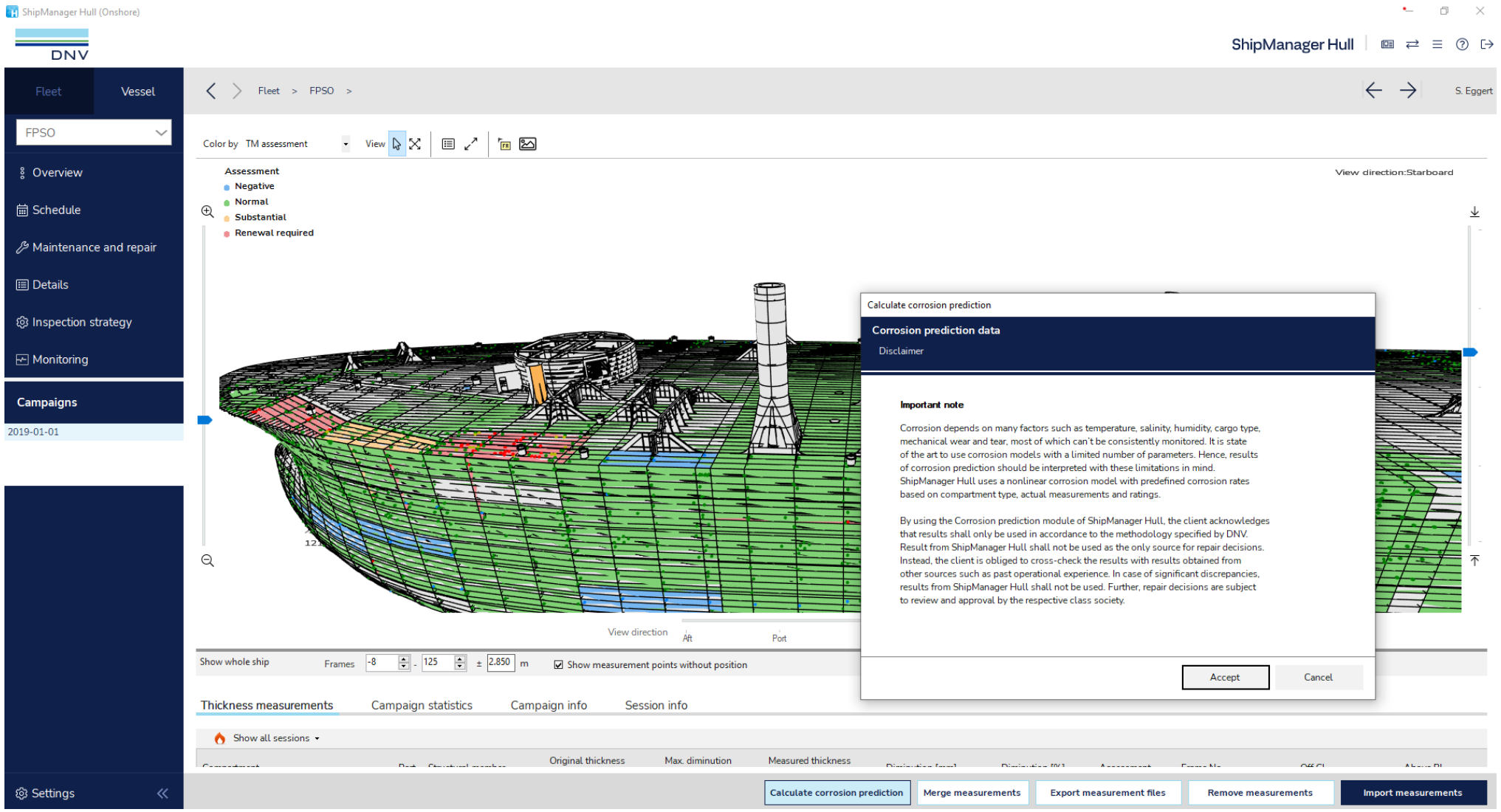
How to make hull data smart?

Smart Data – Prediction System / Machine Learning



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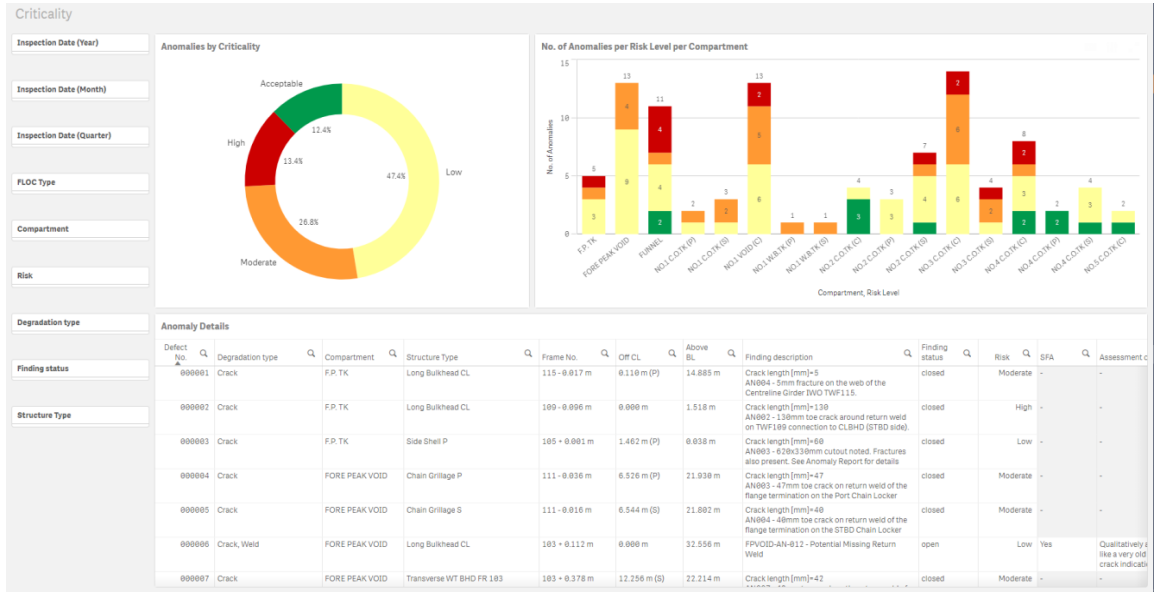
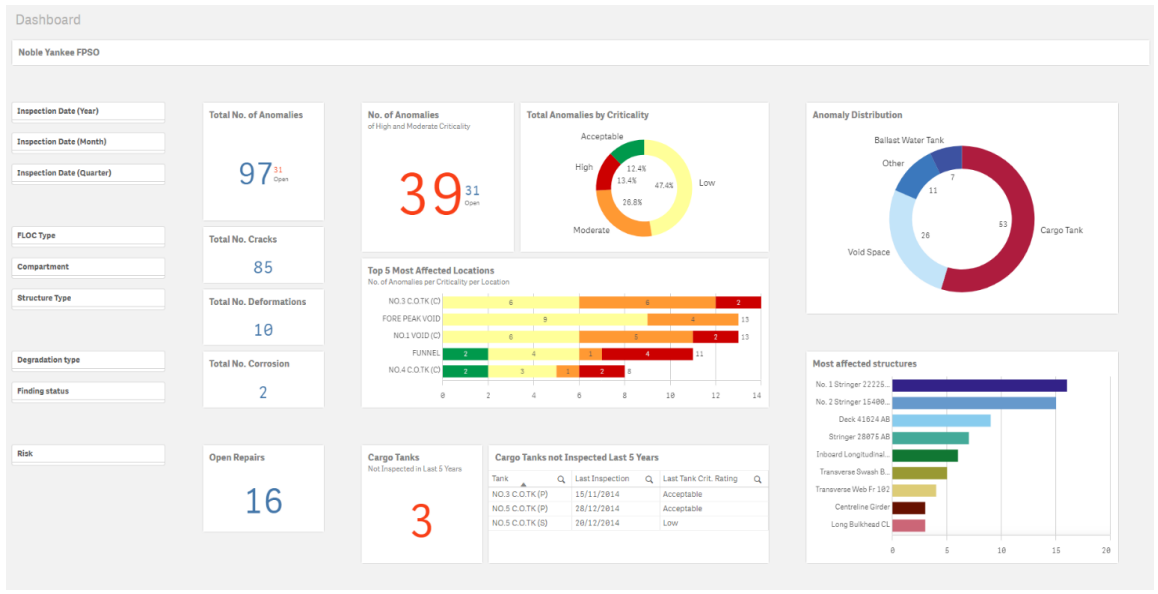
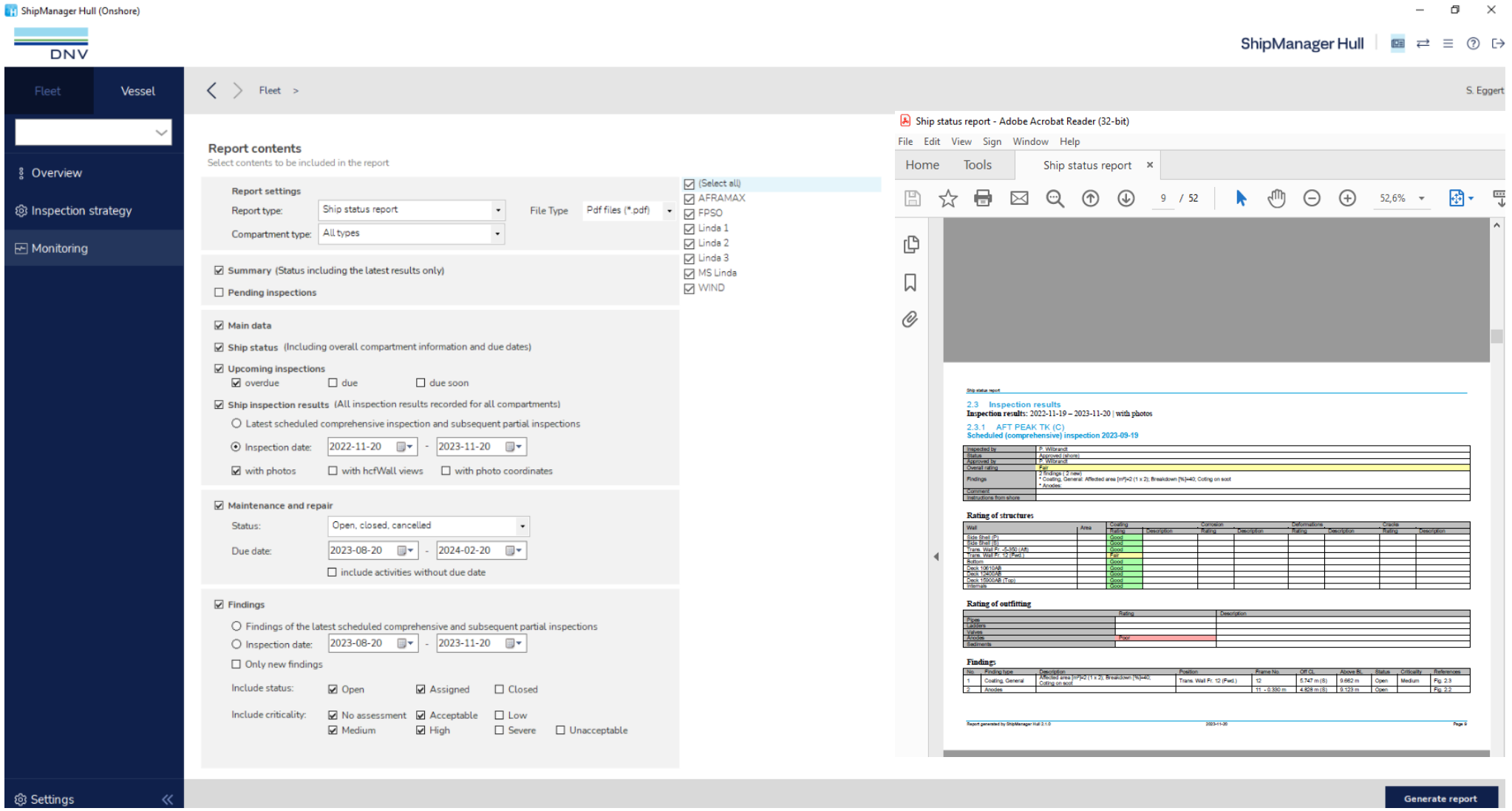
Smart Data – Advanced Reporting





Smart Data – Simplified Onboard/Office Reporting



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WHEN TRUST MATTERS

A story of creating digital solutions

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DNV digital solutions

Hull inspection

NAVIGATOR PORT

Port clearance

Fleet management

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Let’s connect

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