

Humanized Technology

**Digitalization as a tool for
sustainable shipping**

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KONGSBERG DIGITAL





KONGSBERG: 200 Years of Determination



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KONGSBERG

A technology powerhouse with 3 strong business areas

Kongsberg Maritime

**Kongsberg Defence and
Aerospace**

Kongsberg Digital

We're an industrial software company that is shaping
the future of work for a better tomorrow



>1,000
employees



33
nationalities



Global
footprint



USD 100m
revenue



Source: Company information



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For questions, please scan QR Code.
<https://app.sli.do/>
Code: Colombia Mar KDI pannel





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Ships transport roughly 90% of world trade...



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...and account for 3% of global greenhouse gas emissions.





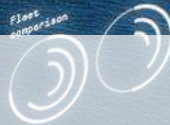
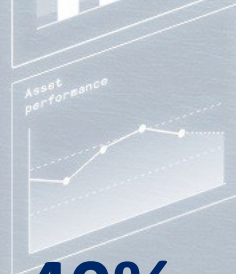
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IMO has set goals for the Maritime Industry...





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...40% reduction in Carbon Intensity by 2030...



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...70% by 2050, and Zero Emissions before the end of the century.



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“If you can’t measure it, you can’t improve it.”





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3000 per minute
4,300,000 per day
1,600,000,000 per year



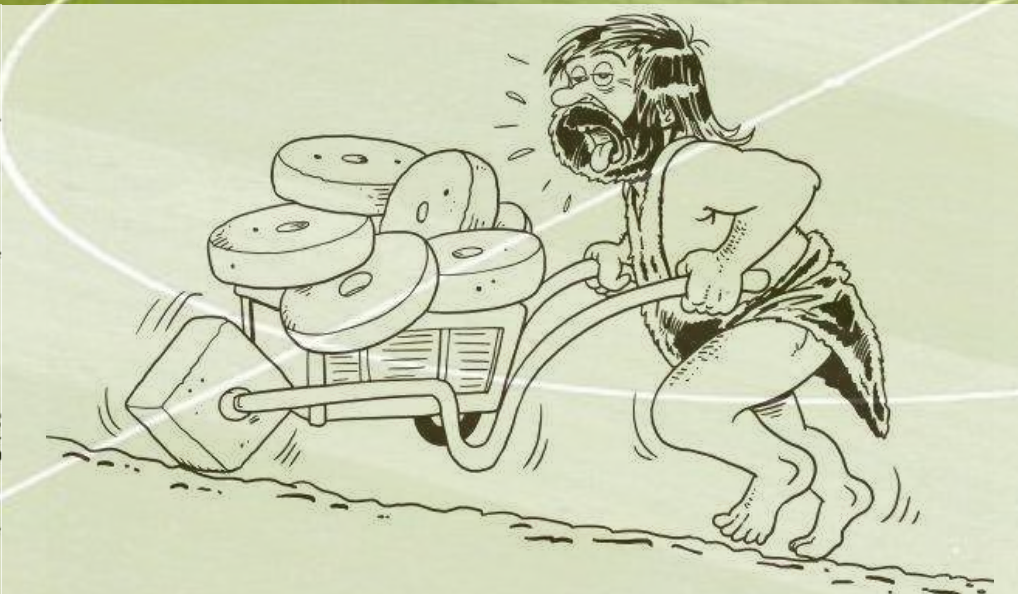
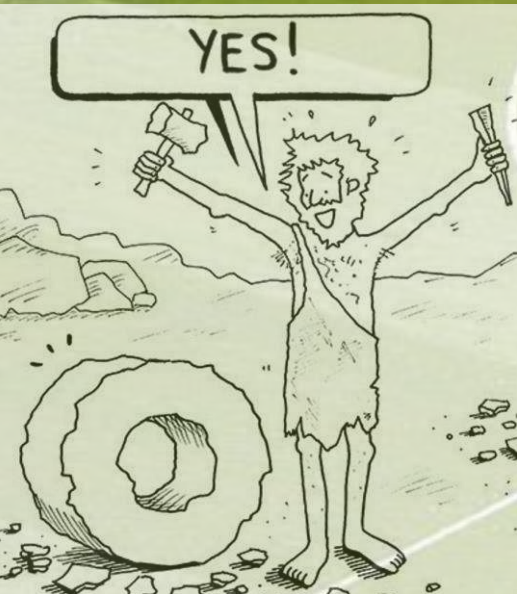
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We tend to find solutions in technology...



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...but are we leaving the people behind?

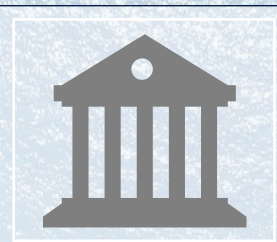




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Investors



Banks



Insurance and P&I

Trustworthy ESG Rating – Safeguard Investment
Industry External



Cargo Owners



Charterers/Traders

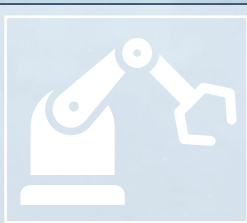
A transparent Value-chain
Industry External

Asset & Compliance Management

Right data – Right people – Right time – Right decisions



Vessel



Technical Management



Class, Flag, Ports and IMO



Suppliers, Service
Providers



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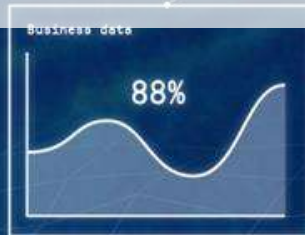
Baseline is the door



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Data is the key





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Reliability



Ship's Log



Logbooks



Spreadsheets and Documents



Electronic Logging



Noon Reporting



Sensor-Based Systems

Complexity

Administration

Personnel

Fuel & Performance Management

Maintenance & Operations



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Finance & Controlling

Crew Management

Fuel Performance

Voyage and Navigation

Maintenance

Port Operations



HSEQ, Risk & Insurance

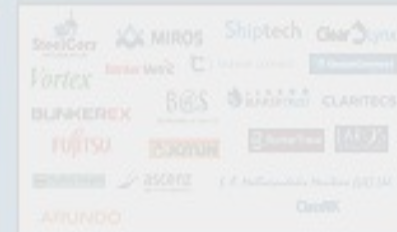
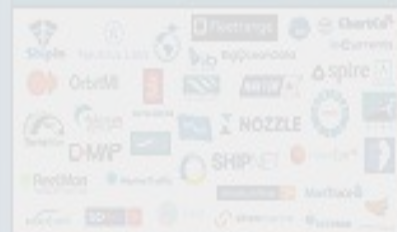
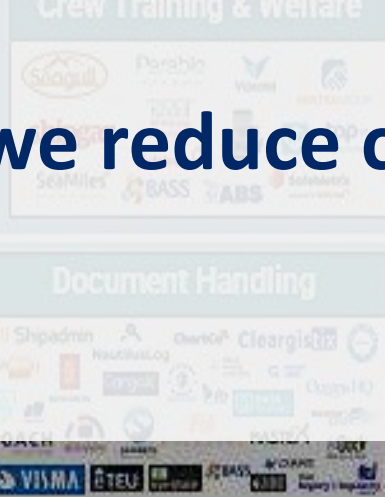
Crew Training & Welfare

Fleet Tracking

Special Solutions

Drydocks & Refits

Logistics & Procurement



Can we reduce complexity in a fragmented environment?

Other

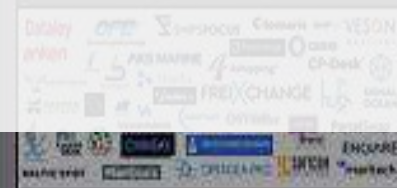
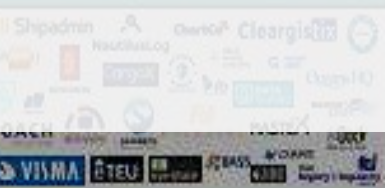
Document Handling

Chartering

Market Intelligence

Connectivity & Comms

Other



Fleet Management System





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Transparency



2.5% 49.22 +8.5 1032.33

1.6% 45.03 +4.5 1018.04

4.2% 47.75 +4.3



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Introducing: Vessel Insight & Kognifai Marketplace





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You own the data from your vessels, we just make it accessible & manageable!



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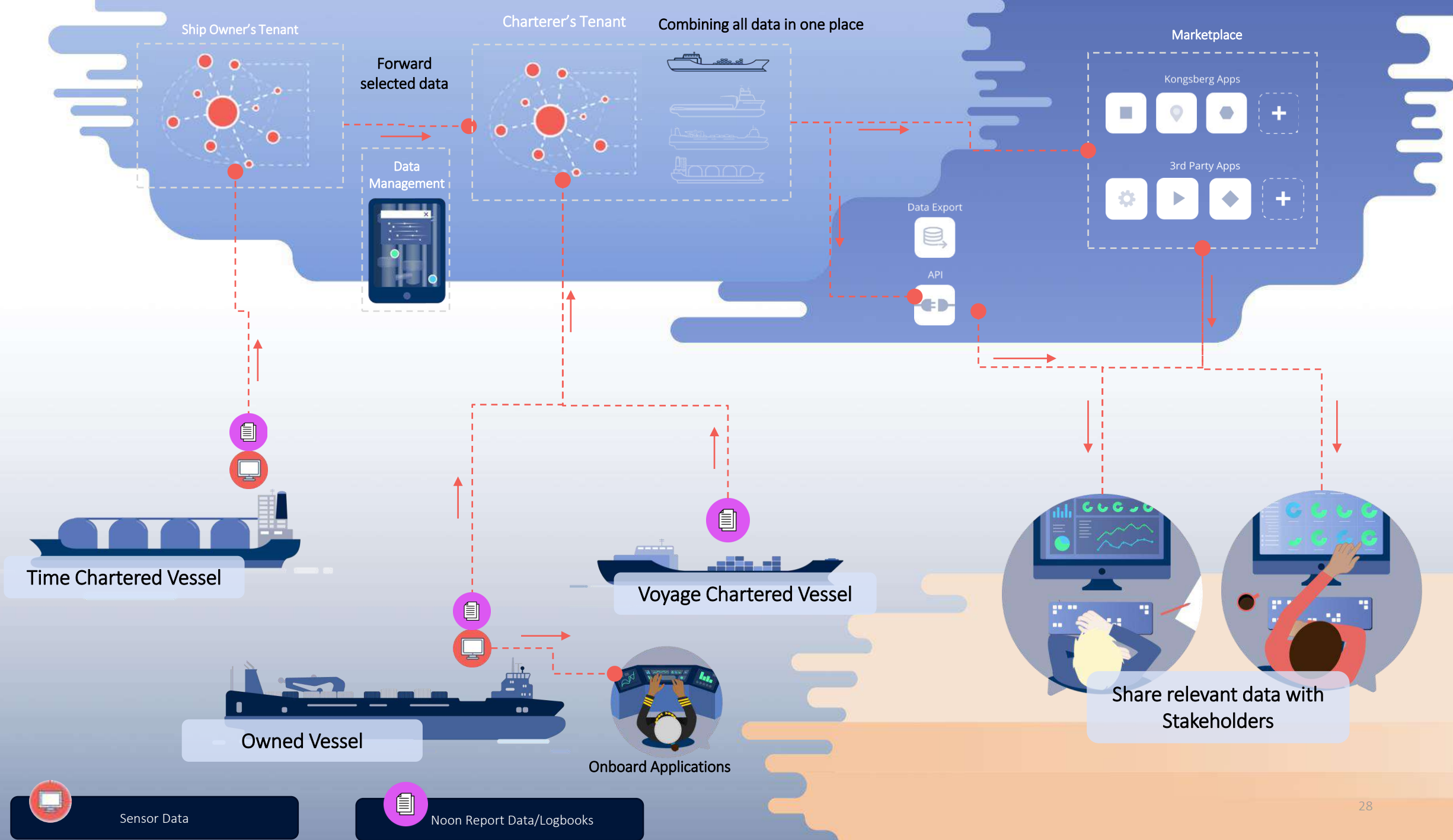
You decide, who you want to share your data with.

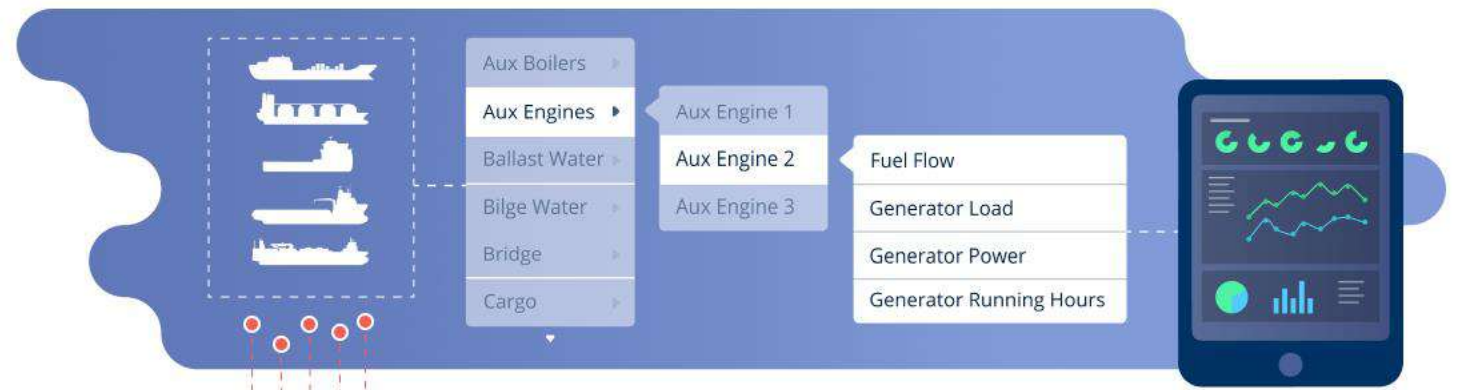


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An open ecosystem with vetted Application providers and partners

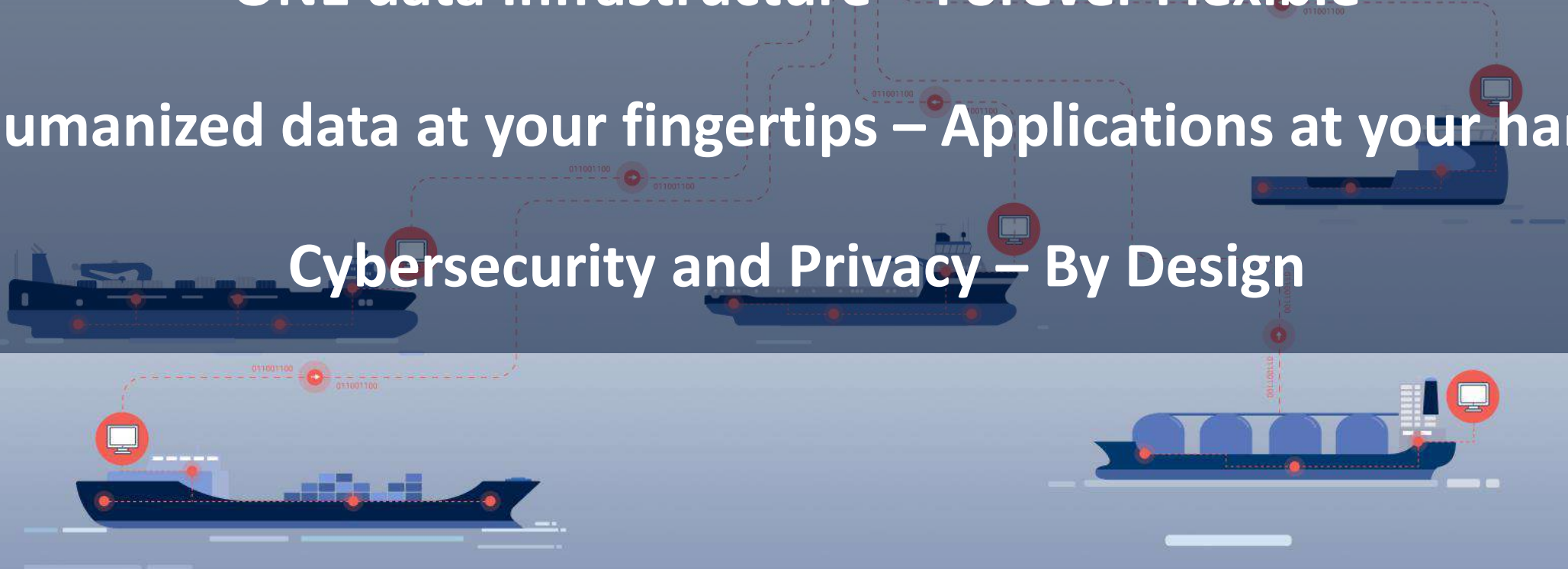




ONE data Infrastructure – Forever Flexible

Humanized data at your fingertips – Applications at your hand

Cybersecurity and Privacy – By Design





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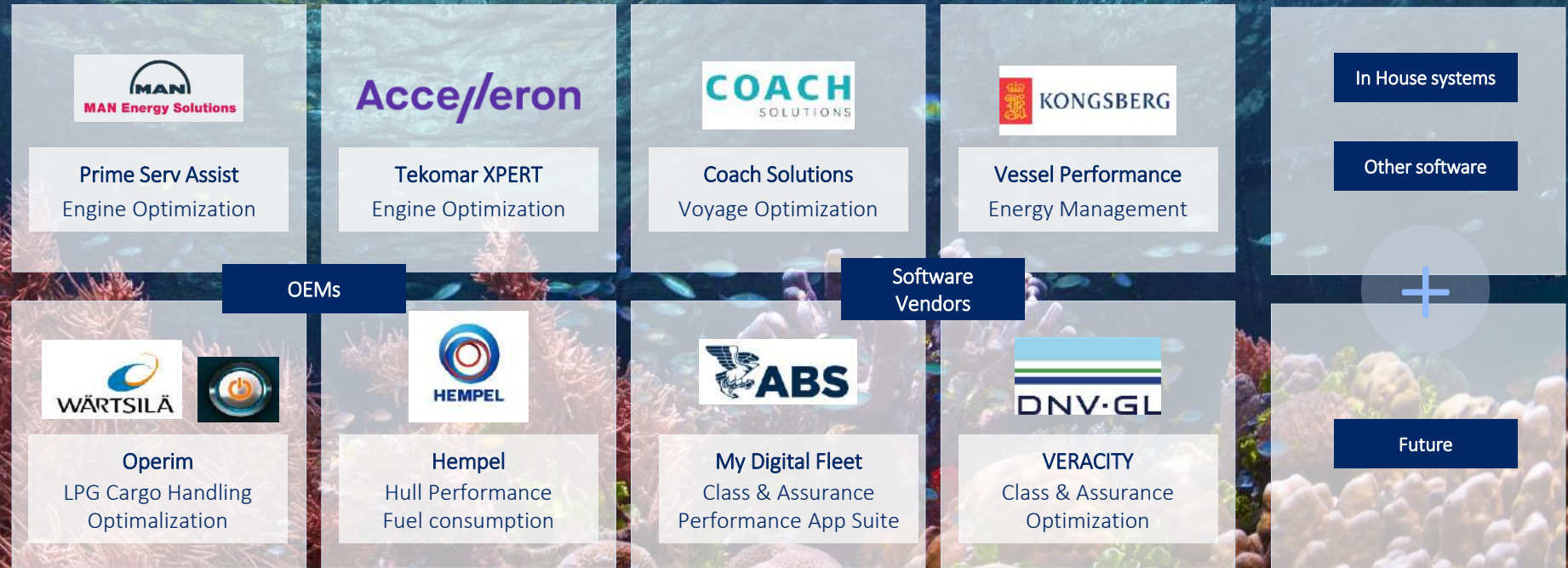
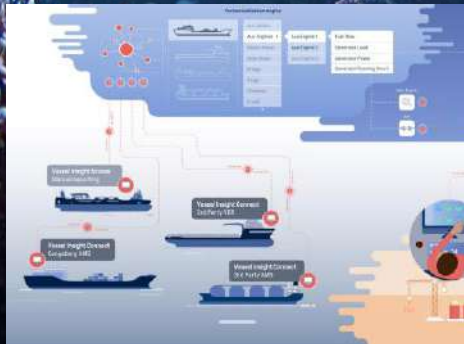
Collaborating for an open Ecosystem

Running on data collection & contextualisation from Vessel Insight

Vessel Insight Infrastructure

Strategic partners & Marketplace examples

Unlimited options





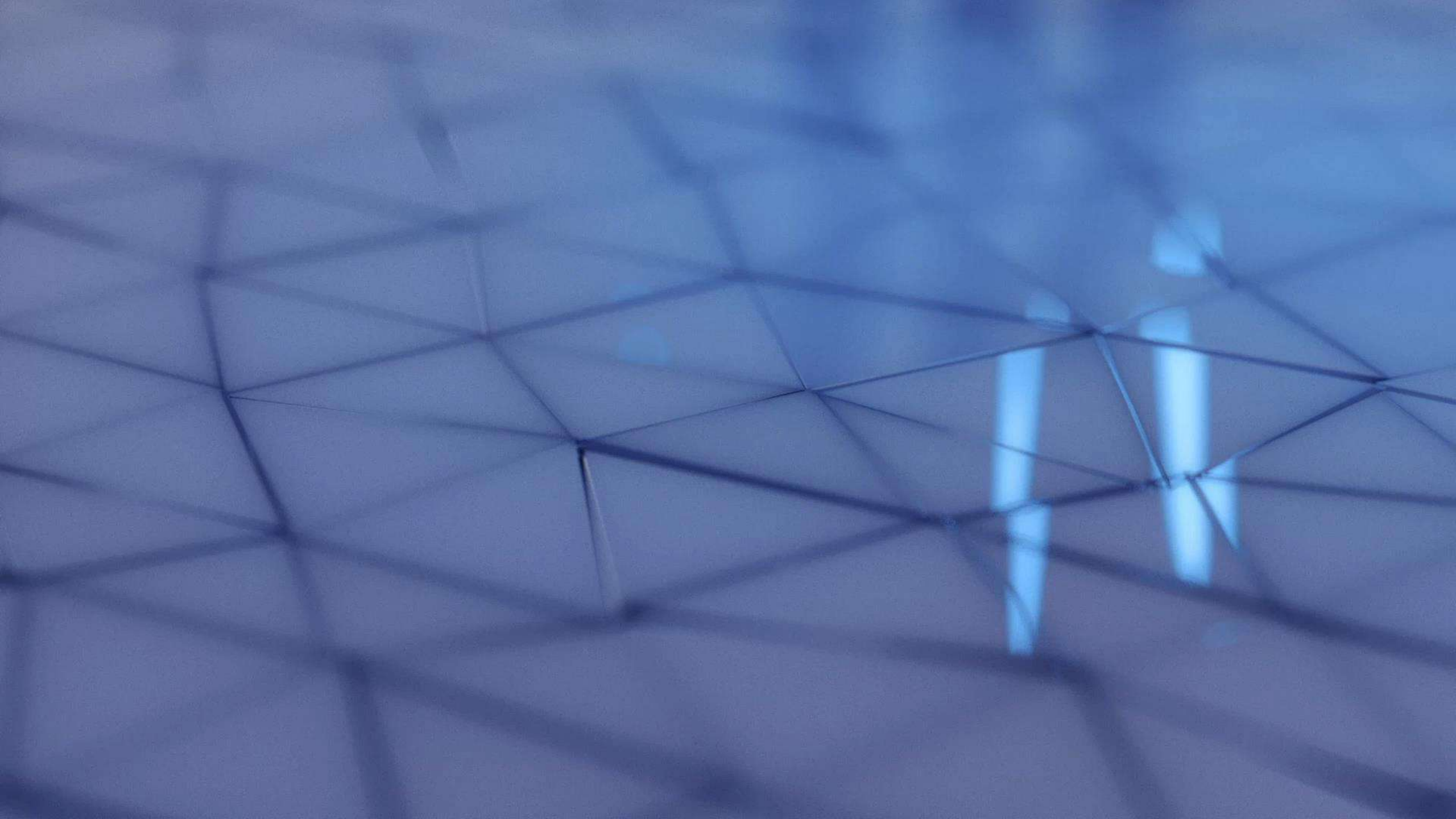
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“If you don’t measure it, you won’t improve it.”



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Where do we go from here?





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Thank you



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