



KONGSBERG

A DIGITAL ECOSYSTEM TO MAXIMIZE
OBSERVING EFFICIENCY

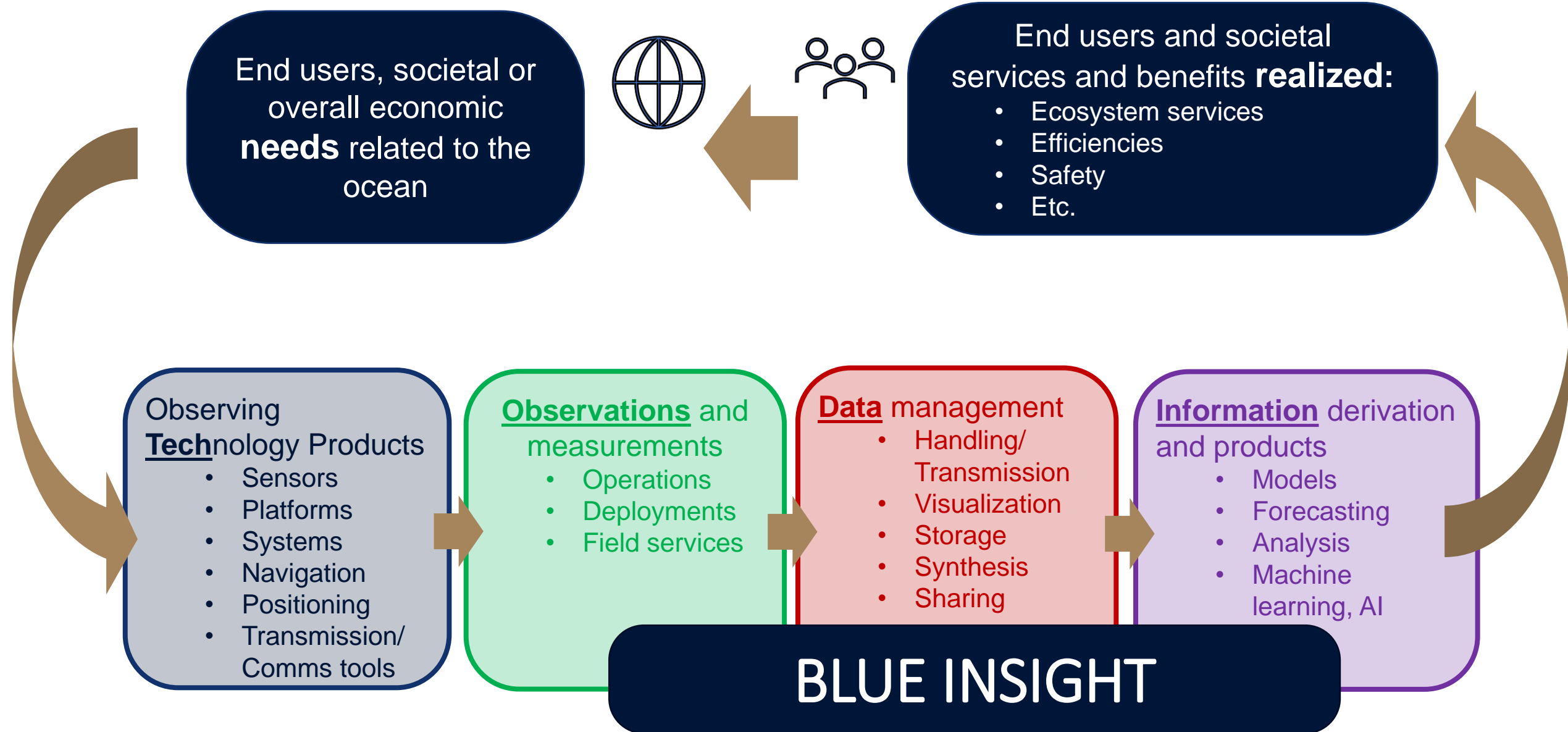
Blue Insight

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The Ocean Observing Value chain of the New Blue Economy



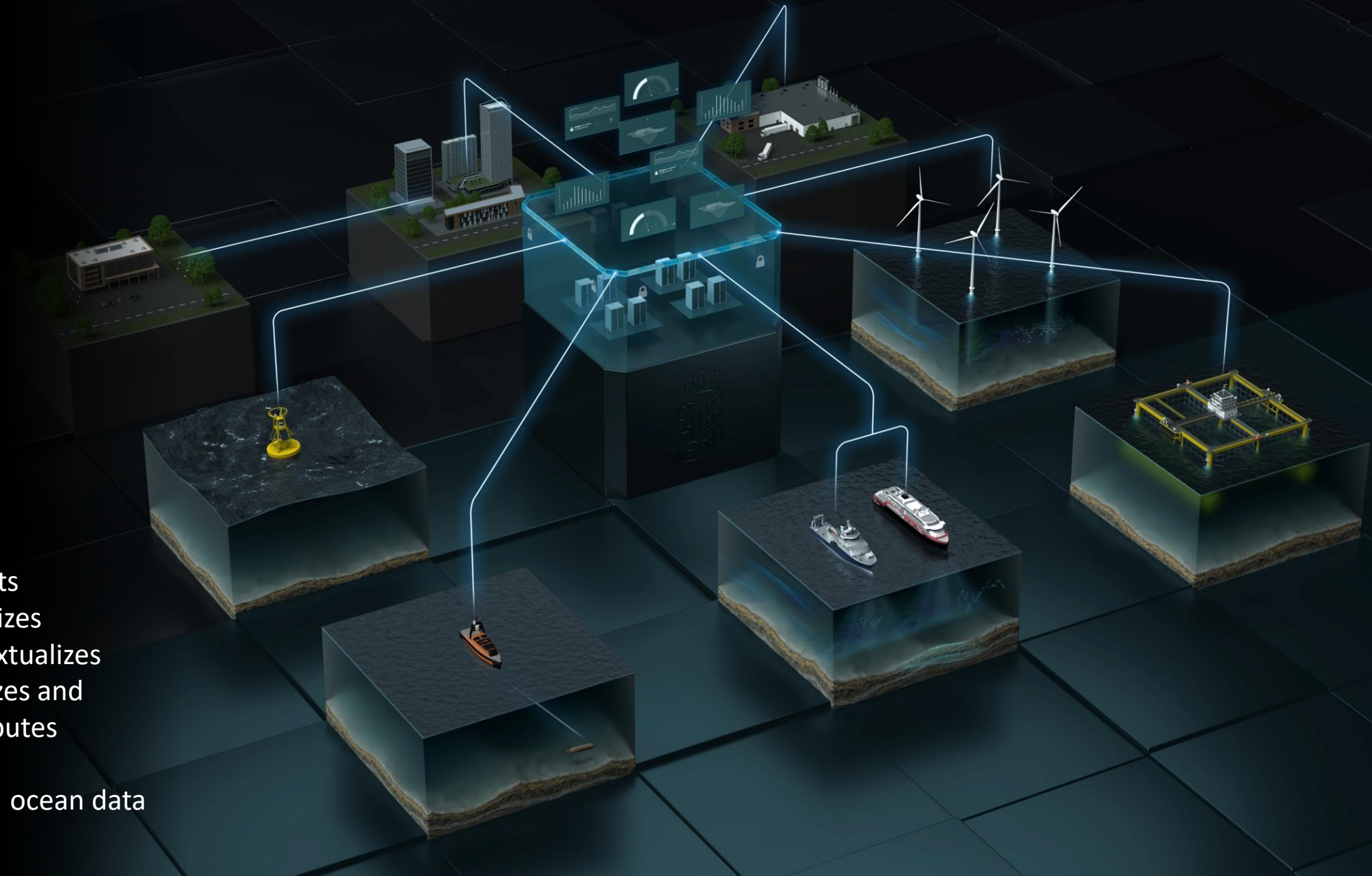


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Blue Insight

- collects
- visualizes
- contextualizes
- analyzes and
- distributes

ocean data





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Blue Insight offers key value to **ocean stakeholders**, e.g.:

- Aquaculture
- Fisheries
- Energy production
- Government authorities
- Researchers





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One Ocean Expedition

Customer success stories

Challenge

Broadcast live ocean data from a mixture of KM and 3rd party instruments onboard Statsraad Lehmkuhl.

Solution

Efficient data distribution from vessel to the public through sensor fusion.



Sensor Fusion



Data Forwarder





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GLIDER project & Akvaplan-niva

Customer success stories

Challenge

Efficiently manage and collect data from a fleet of unmanned vehicles while providing services to industrial and academic users.

Solution

Ocean View, a flexible map-based solution with fleet overview combining real time- and historical data in a map with user selectable input of external layers and objects, such as ice maps, wind, currents etc.



Core

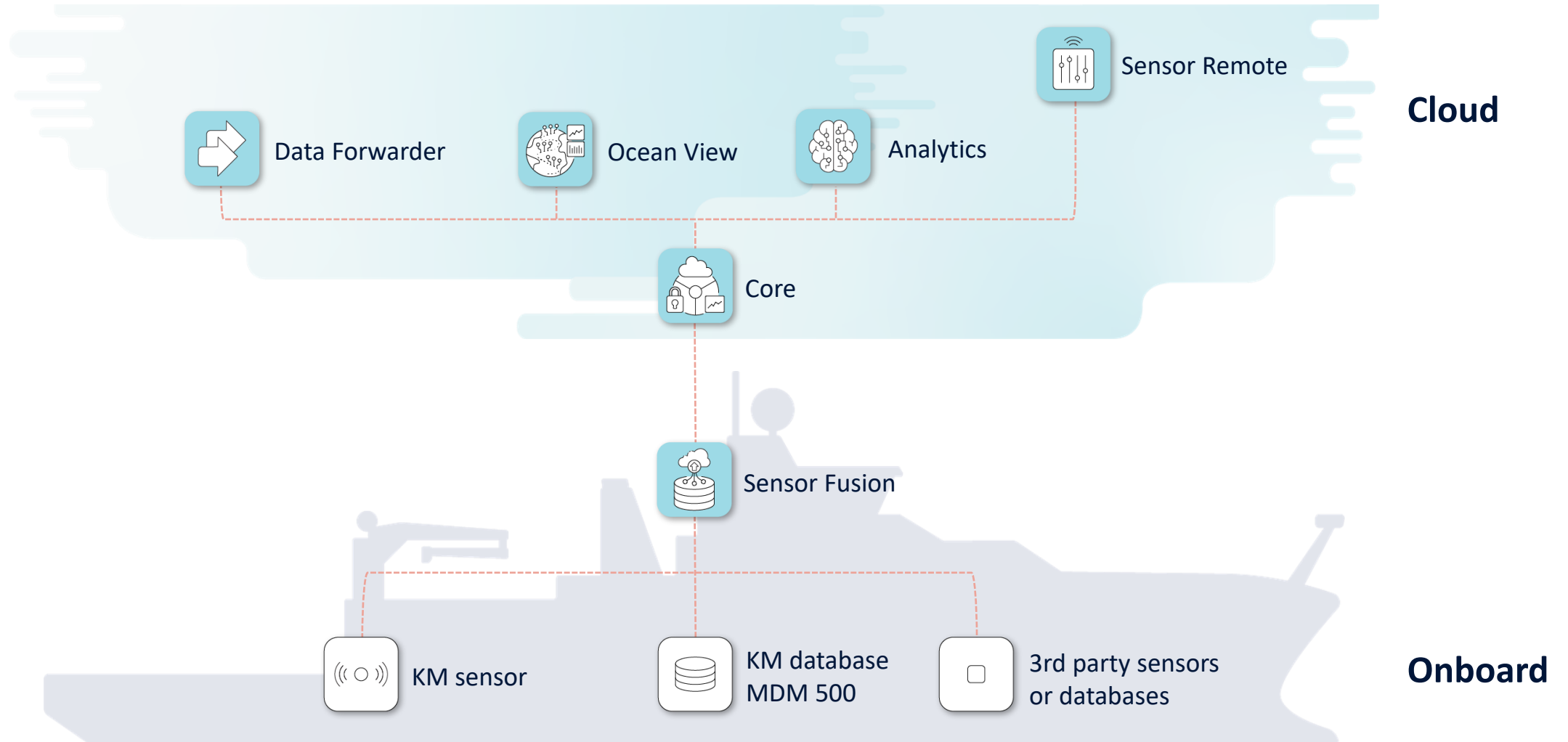


Ocean View



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Generic System Overview



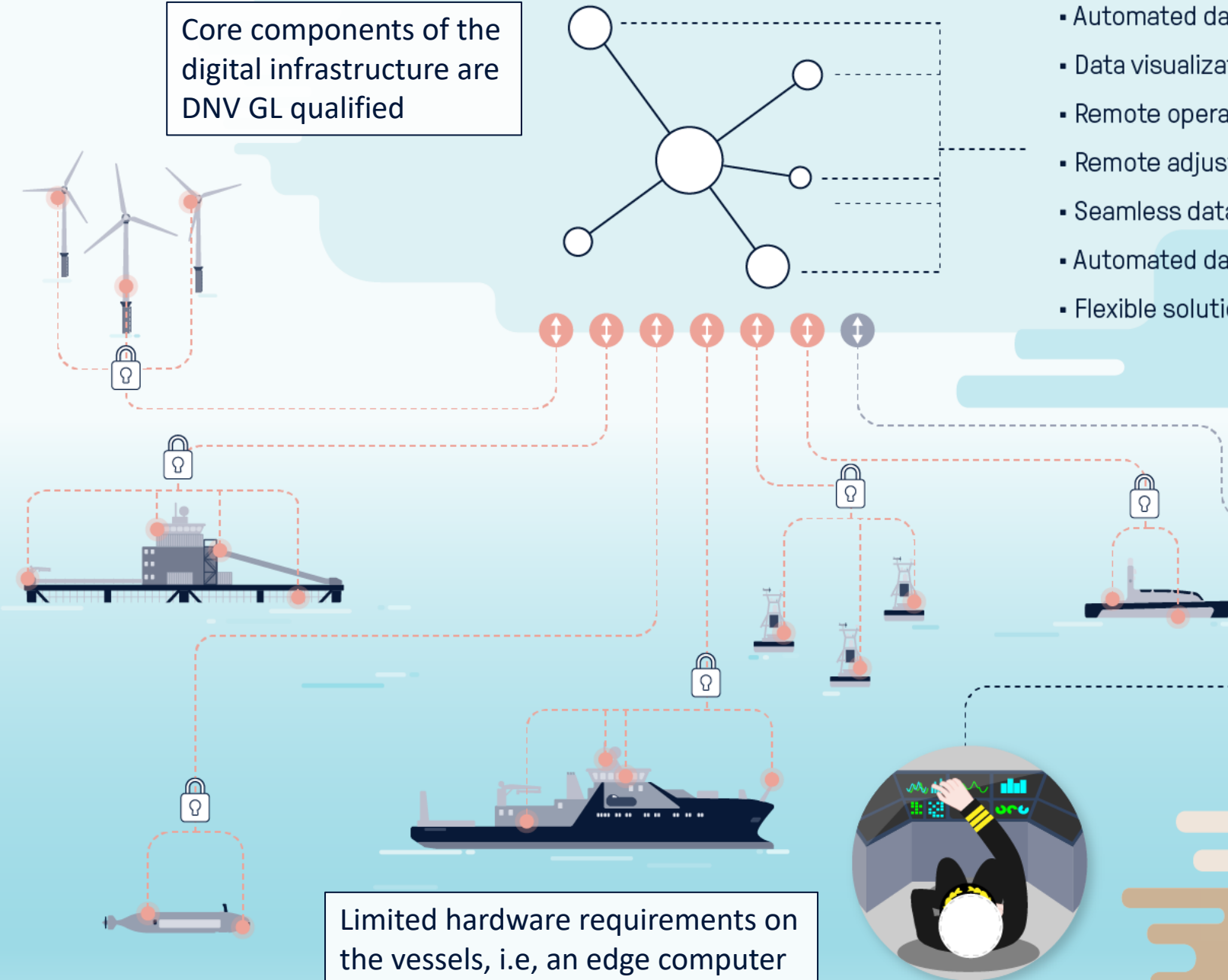
Core components of the digital infrastructure are DNV GL qualified

- Automated data streams
- Data visualization
- Remote operational control of sensors
- Remote adjustments to data recording configuration
- Seamless data sharing across cloud solutions and user databases
- Automated data analysis based on artificial intelligence
- Flexible solution that can be tailored to customer requirements

Examples:

- National data centers (e.g. NMDC)
- International data centers (e.g. EMODnet, GEBCO)
- International scientific programs (e.g. Argo)
- Meteorological networks (e.g. GTS)
- Commercial solutions (e.g. Mercator Ocean Int., Sofar Ocean)

Limited hardware requirements on the vessels, i.e, an edge computer and transmission solution





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Thank you

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