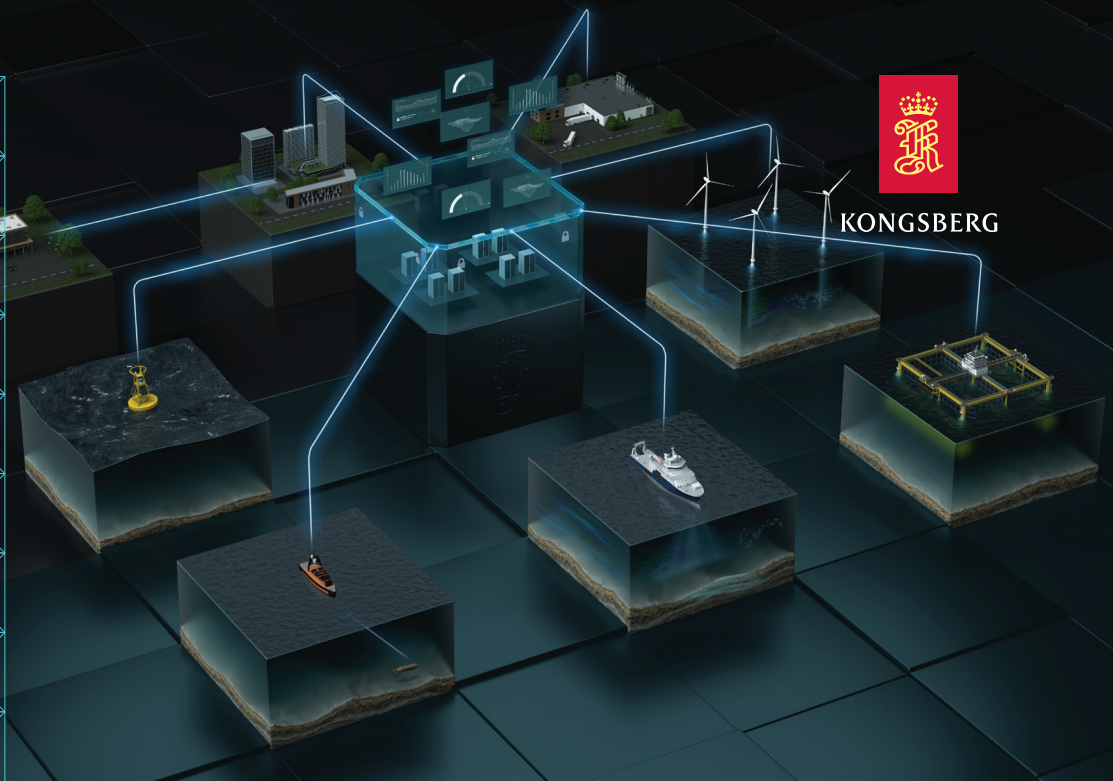


BLUE INSIGHT



BLUE INSIGHT

The digital ocean toolbox

Seamless data acquisition, fusion, processing, visualization, contextualization and management of ocean data.

Kongsberg Blue Insight is an open and flexible digital infrastructure product designed to meet the increasing demand for accurate information from the oceans, focusing on internet security and seamless integration. The Blue Insight automates the data stream from a wide range of sensors and platform types and visualizes them in a common framework. The solution facilitates modern data processing and machine learning, providing new understanding and in-depth knowledge.

Through a range of dedicated modules, Blue Insight offers flexibility, security and robustness required by any ocean data stakeholder: scientific, observational, or commercial.

KEY BENEFITS:

- One-stop solution that provides real time overview across platforms and data types
- Flexible and scalable, suitable for both small and large organizations
- Open ecosystem building on FAIR data principles
- Allows for deployment of customized machine learning algorithms
- Cyber secure solution



BLUE INSIGHT CORE

The Blue Insight Core module provides solutions for secure interactions between sensor platforms, cloud storage and data management enabled by the industrialized Internet of Things modules found in the Kognifai digital ecosystem.

The Core module includes required common functionality to prepare the data for automated analytics and advanced data handling, with the full benefits of a modern, cyber secure cloud environment. It includes a basic visualization framework with dashboard functionalities and graph view of data.

This module integrates with your existing information technology systems and is a requisite for deploying the other Blue Insight modules.



SENSOR FUSION

Sensor Fusion is an on-board/on-premise application which receives and prepares data from selected sensors and onboard databases for streamlined

distribution to the Blue Insight cloud. Sensor Fusion also provides the interface between selected third-party sensors and serves as the link with Sensor Remote and Ocean View modules. Optionally, a real time visualization dashboard can be provided for monitoring purposes.



DATA FORWARDER

The Data Forwarder module automates the conversion of data in the cloud into common formats and empowers efficient and seamless data sharing across cloud solutions and user databases.

Examples of applications are the automated forwarding of ecosystem data to national marine databases and meteorological data to national data centers.



OCEAN VIEW

The Ocean View module is a web interface for visualizing selected real-time and historic sensor data and platform information in a map overlay. The web

interface can be used from any web browser which is connected to the Blue Insight or corporate cloud - on the vessel and on land. Views can be tailored to customer requirements with e.g. specific map overlays for increased situational awareness and contextualization or to external user and public display purposes enhanced through flexible access control mechanisms.



SENSOR REMOTE

The Sensor Remote module provides a web interface for remote control of selected KONGSBERG sensors such as EM and EK80.

The web interface can be used from any web browser which is connected to the Blue Insight cloud - on the vessel and on land.



ANALYTICS

The Analytics module enables more in-depth data handling capabilities, such as the implementation of quality assurance steps or automated data

analysis based on artificial intelligence. It provides infrastructure for both onboard and cloud-based machine learning from ocean data to e.g. enable automated classification of echo sounder data. Users of this module enjoy a standardized processing pipeline allowing for remote deployment of KONGSBERG, user or third party supplied algorithms.

Generic System Overview

