

200 YEARS OF TECHNOLOGY INNOVATION

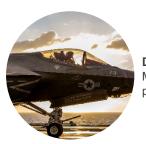




From deep sea to outer space

OUR INDUSTRIES





DEFENCEModern product portfolio with world leading positions in defence and aerospace niches



SPACE & SURVEILLANCENiche products and solutions to the entire value chain; from launch to data download services

SEABORN TRANSPORTATION
Scalable automation and control, safety,
energy management, navigation and
cargo handling solutions



SUBSEA TECHNOLOGY
Marine robotics and underwater sensor systems
for naval applications, fishery, offshore
operations and underwater science



OFFSHORE, OIL & GASA global supplier of integrated automation and control systems and engineering services



INDUSTRIAL DIGITALIZATION
Staying ahead of the curve on industrial software solutions for efficient operations

DIGITALIZATION INTENSIFIES



The industrial internet is changing the maritime landscape

DNV-GL

Certificate No: TAA00001FR

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Control system and/or communication components with verified security capabilities

with type designation(s)

Kongsberg Remote Services and Data Exchange

Issued to

Kongsberg Maritime AS KONGSBERG, Norway

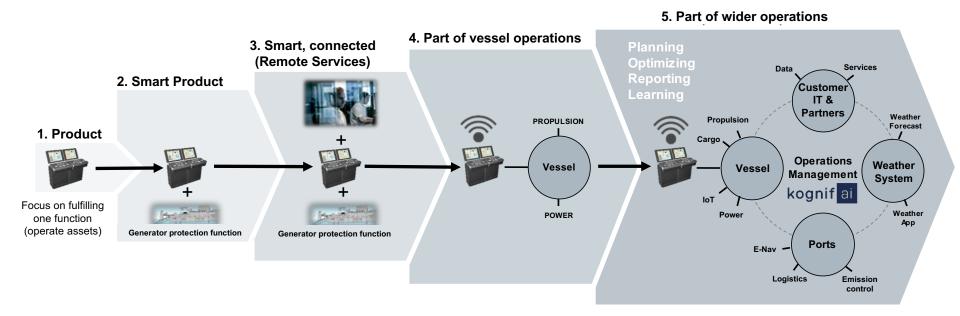




DIGITALIZATION DRIVING NEW INDUSTRY BOUNDARIES *



Example of the Automation product in the Maritime Market Segment



^{*} Adapted from HBR article from Michael E. Porter and James E. Heppelmann "How Smart, Connected Products Are Transforming Competition", Nov. 2014

REMOTE OR AUTONOMOUS OPERATIONS





Autonomous Underwater Vehicles





Global Customer Support

Expanded offering of associated services and support competitive asset management, life cycle support and



Maritime Broadband Radio

The Maritime Broadband Radio is developed for use in maritime applications where digital high-speed reliable communication and data transfer are crucial for efficient and safe operations



Yara Birkeland The world's first zero emission. autonomous container feeder

1999

KSAT

World leading ground station provider for Low Earth Orbit (LEO) satellites

Remote control of DP system from

Command Vessel



Joint Strike Missile / Naval Strike Missile 50 years of experience from a variety of missile programs



Kongbserg Protech Systems

World leading provider of remote weapon systems. Awarded the CROWS II (Common Remotely Operated Weapon Station) contract by the US Army.



Remote Tower

Avinor and KONGSBERG enters into agreement on the world's largest investment for remote towers



18.11.2017



VESSEL & FLEET PERFORMANCE

Energy management
Awareness of Fleet
Performance through
Benchmarking, compliant to
rules and regulations

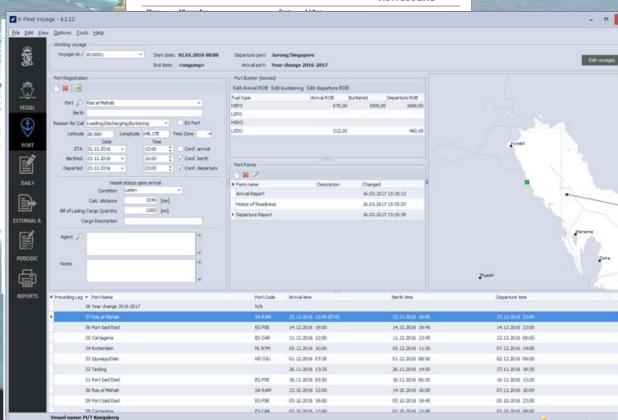
Deck logbook report

Vessel : Kongsberg Testship Date : 13. apr 2015 Status : Signed by JJ Campany IMO : 1234567 IMO : 1234567 Printed : 14, apr 2015 13:51



KONGSBERG







DIGITALIZATION ENABLING AUTONOMY

Achieve value at every step



Supporting crew reductions and enabling digital twins



Reduced service cost and utilize onshore expertise



Autonomous Operations

- More advanced automation

KONGSBERG

- Mission planning
- Decision making
- Situational Awareness



Enabling IoT based decision support applications



- Interconnected equipment
- Ship-to-Shore communication
- Remote support
- Information Management System



Remote Services enabling knowledgeembedded operations

- Remote diagnostics
- Preventive maintenance
- Fleet benchmarking



WORLD CLASS

THROUGH PEOPLE, TECHNOLOGY AND DEDICATION

RONGSBERG PROPRIETARY - See Statement of Proprietary Information