



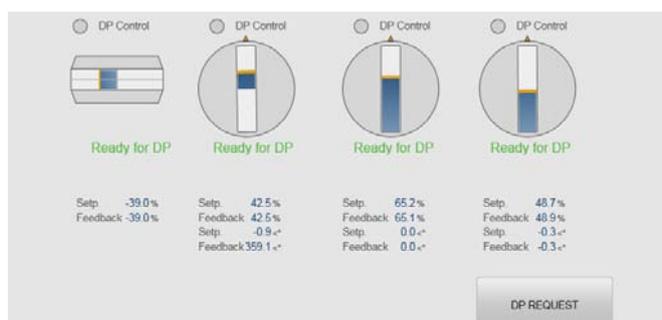
KONGSBERG

Workboats

Know exactly where you stand



When business is big, every little move counts. Stay calm and in control - whatever the conditions, KONGSBERG provides the solutions that maximize your performance in all offshore marine operations.



Transfer and information display
The commando transfer and info touch display gives scalable solutions and easy transfer.



Dynamic positioning
Extending your operational envelope and business opportunities through enhanced operability and efficiency.



Propulsion & thruster control
Enables full control, handling either with individual levers or by using the joystick.

Flexible installation ensuring uniform operations

KONGSBERG enables you consistently to act with precision and certainty in all conditions and situations, increasing operational safety and efficiency. Operator controls can either be centralized in a control room or installed in the engine space and cargo area. Common technology makes the system easy to use and ensures uniform operations. Proven quality combined with a local and global service network ensures a competitive life cycle cost and swift support.



Uniform operations
The KONGSBERG manoeuvre and control concept enables safe and efficient operation of work-boats.

Propulsion & thuster control – efficiency in operation

The propulsion and thruster control provides remote control of electrical and mechanical propulsion systems, azimuth and side thrusters. Each propeller is controlled by an autonomous control system, designed for seamless integration with our DP and alarm, monitoring & control system.

- Non-follow-up using pushbuttons
- Follow-up using levers or steering wheel
- Manual lever control – individual or synchronized operation
- Integrated to joystick
- Autopilot interface
- Integrated to DP





Dynamic positioning - verified performance

The KONGSBERG DP system consists of a complete offering, from single stand-alone solutions to complex IMO Class 3 systems and beyond. Our interface and broad range of position reference systems and sensors provide total system transparency and interoperability. The DP systems are scalable with a range of basic functions, and extendable with a number of tailored functions to assist in specific operations. A basic package for work-boats will typically include:

- Joystick mode
- Mixed joystick & auto mode
- Auto-heading mode
- Automatic positioning mode



Ship@Web

The Kongsberg Ship@Web system is designed to enable continuous access to primary vessel data both on-board the vessel and from ashore. The Ship@Web system can display data from integrated solution.

Alarm, monitoring & control – saving costs

The automation system is a highly flexible concept, providing competitive solutions for work-boats and other types of vessels. The concept covers the whole range from a basic alarm system for unmanned machinery area operations, to fully integrated automation systems for machinery, propulsion and cargo operations. The power management application (PMS) will ensure that power capacity is in line with demand at any time. It ensures that usage by the main consumers does not overload plant capacity – even if a generator shuts down unexpectedly. The PMS will control the restoring of power and auxiliary systems in the unlikely event of a black-out. It also handles a variety of generator and switchboard configurations, including, for example, a split switchboard for DP 2 operations and shaft generators.

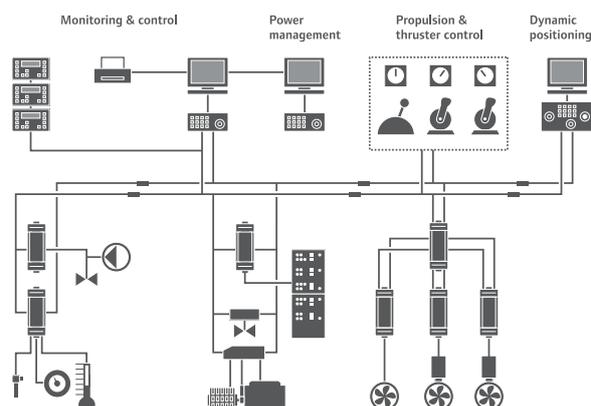
Multifunction display



Fuel monitoring



The integrated solution



We are always there, wherever you need us

Global and local support

We provide global support from local service and support facilities at strategic locations worldwide. Service and support work is carried out under the supervision of your personal account manager, who will ensure that you receive high-quality service and support where and when you need it. Your account manager will ensure continuity and work closely with your personnel to improve and optimize system availability and performance. Under the direction of your account manager, and with a local inventory of spare parts, our well-qualified field service engineers will be able to help you quickly and effectively.

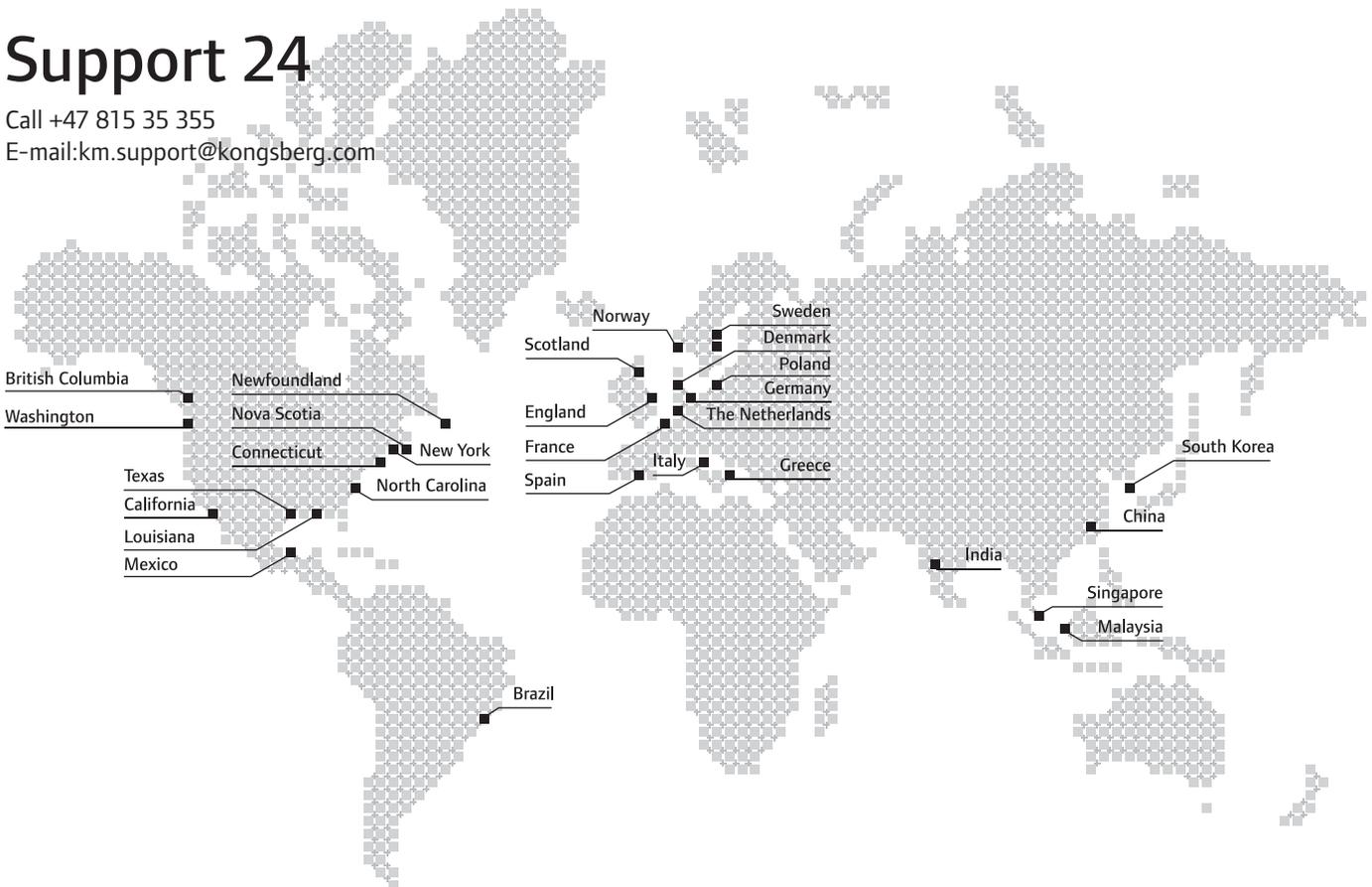
KONGSBERG customer services organisation is designed to provide high-quality, global support, whenever and wherever it is needed. We are committed to providing easy access to support and service, and to responding promptly to your needs. Support and service activities are supervised from our headquarters in Norway, with service and support centres at strategic locations around the globe – where you are and the action is.

As part of our commitment to total customer satisfaction, we offer a wide variety of services to meet individual customers' operational needs. Kongsberg Support 24 is a solution designed to give round-the-clock support. For mission-critical operations, Kongsberg Support 24 can be extended to include remote monitoring. We can adapt the level of support needed by offering service agreements, an on-site spare part inventory and quick on-site response arrangements.

Support 24

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