

# Solutions for the maritime industry

SKF Marine has for many years assisted the marine industry in working more efficiently. Innovative solutions for rotating machinery have continuously driven increased productivity and reduced operating costs. SKF Marine provides products and services for design, new-build, operation and maintenance for all ship types.



## Simplex Shaft line solution

SKF Marine is a specialized provider of products and mechanical services for propulsion shafts and stern tubes. The Simplex shaft components, including stern tube seals, intermediate shaft bearings, thrust bearings as well as complete stern tube solutions and accessories, have set the standard in the market for years.



## Simplex and Machine Support special marine services

In order for the ships to do their job, every detail has to be just right – from the quality of the components, to regular maintenance and emergency repairs carried out at short notice by highly qualified staff. With the SKF Marine Service, customers get exactly the services they need. The modular concept allows you to combine services as required, or to select individual modules from the service portfolio.



## SKF Bearings and units

Bearings in the SKF Explorer performance class can be used to extend the bearing life of existing equipment. CARB toroidal roller bearings permit smaller and lighter bearing arrangement designs, offering the same or improved performance. Customized SKF units (complete bearing units with housing, sealing and lubrication) are also used in electric pod propulsion systems, which provide the highest degree of manoeuvrability and fuel efficiency for some of the most demanding ship designs. In addition to mounting bearing units and more, SKF Marine can provide expert chocking solutions, including SKF Vibracons.



## SKF Coupling systems

SKF OK shaft and flange couplings, SKF Supergrip bolts and marine hydraulic nuts are based on the SKF Oil Injection method. The precision-made products and systems are installed in a wide range of marine vessels all over the world. All solutions enable easy and efficient mounting and dismantling of heavy marine components, resulting in more uptime.



## SKF Condition monitoring

The SKF portfolio consists of world-class condition monitoring services and products that, when properly implemented, help enhance the ship operator's asset reliability and performance. From portable data collection systems for water jet systems, to full on-line installations on propulsion and positioning equipment for ships and rigs, SKF Marine offers condition monitoring solutions for every ship's and OEM's needs.



## SKF Lubrication solutions

Diesel engine manufacturers have relied on specially-designed cylinder lubrication and inlet valve seat lubrication technology for more than 60 years. The SKF Marine lubrication portfolio for 4-stroke and 2-stroke engines has been developed for the global OEM market. The precisely – timed oil injection cuts oil consumption, CO<sub>2</sub> emissions and engine operating costs. SKF Marine, the market leader in lubrication systems in general, can also solve your lubrication issues on rudders, deck cranes, PODs, gear boxes, generators, compressors and more.



## Turbulo Oily water separators

More than ever before, the reliability of oily water separators is in the focus of public interest. SKF Marine's decades of experience in the production of oily water separators, together with comprehensive know-how for their onboard operation and maintenance. This has led to the development of the two-stage Turbulo Mechanical Phase Breaker (TMPB), which benefits from the 80 years of experience with the traditional Turbulo Oily water separator and, of course, meets the requirements of IMO Resolution MEPC.107(49).



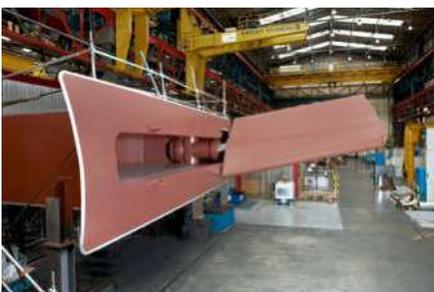
## SKF BlueMon - Environmental monitoring systems

The SKF BlueMon monitoring system is a comprehensive monitoring and mapping system for all emissions on vessels which are subject to MARPOL 73/78 Annex I-VI. SKF BlueMon provides a detailed environmental profile of the ship's emission at a certain time and position.



## Turbulo Sludge Buoy - Tank skimming equipment

The Turbulo Sludge Buoy system is designed to separate this mix of water and waste oil by using the continuous gravity separation of free oil in tanks. The system helps improve the downstream processes on board of all kind of vessels.



## SKF Stabilizing Systems and Steering Gear

SKF Marine has been manufacturing fin stabilizers for ships all over the world since 1961. More than 550 ships are currently under way on the seven seas with their retractable and non-retractable fin stabilizers.

SKF Marine's rotary vane steering gear can be used for any rudder design and is the optimum solution for all kinds of vessels.

[skf.com](http://skf.com) | [skf-marine.com](http://skf-marine.com)

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