



Service from
SKF Marine –
For those who expect
perfect results.



Service from SKF Marine

The feel-good factor
of always being able
to rely on someone.

Available around the clock,
highly qualified and fast –
that's the service SKF Marine offers.

In order for you and your 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, you get exactly the services you need. Our modular concept allows you to combine services as required, or to select individual modules from our service portfolio. We will also be pleased to put together an individually-tailored service package for you, such as for a new build or retrofit project.

Simplex service

We accompany your ship throughout its life cycle, every step of the way with professional planning, regular dockings, emergency services and quality spare parts. Our comprehensive service for Simplex shaft components, e.g. sterntube seals, bushes, tunnel bearings and plummer blocks, ensures that your vessel is optimally equipped, maintained and always ready for operation – worldwide and 24/7.

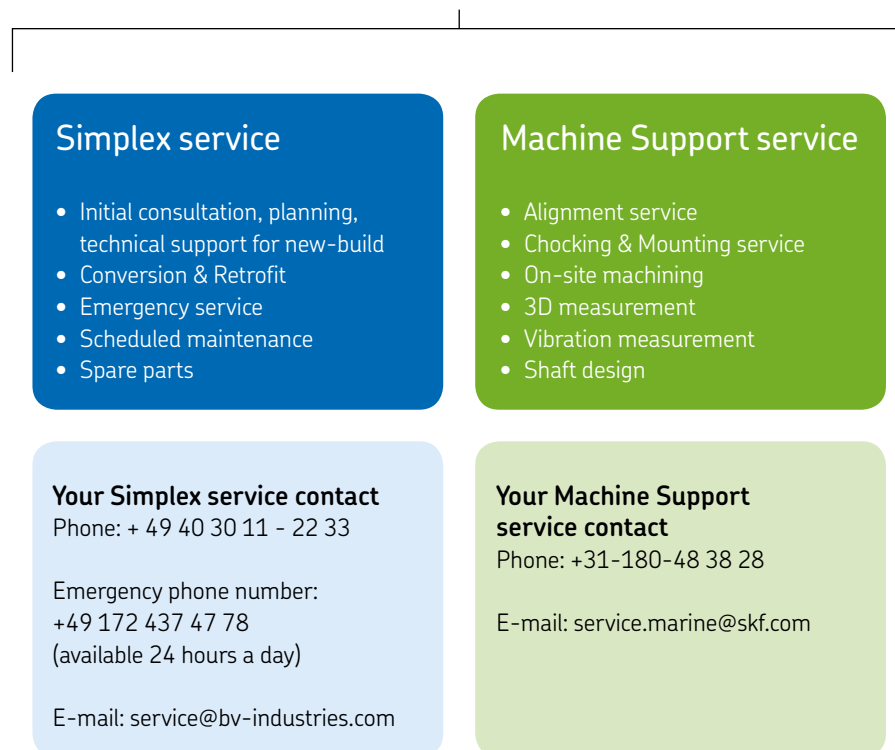
Machine Support service

Perfect alignment in all its facets as well as chocking, mounting and professional on-site machining, are additionally provided by the Machine Support service from SKF Marine. We ensure that all of your ship's rotating equipment is perfectly aligned and operates smoothly. We are there to service your ship on site at your location, using the latest technology and comprehensive know-how based on decades of experience - worldwide and 24/7.


Simplex service and Machine Support service

We're there for you throughout your ship's life cycle – every step of the way.

Service from SKF Marine



Simplex service – Life cycle service



The answer to your
service questions –
the life cycle service.

We are there for you over the
entire service life of our products –
globally and 24/7.

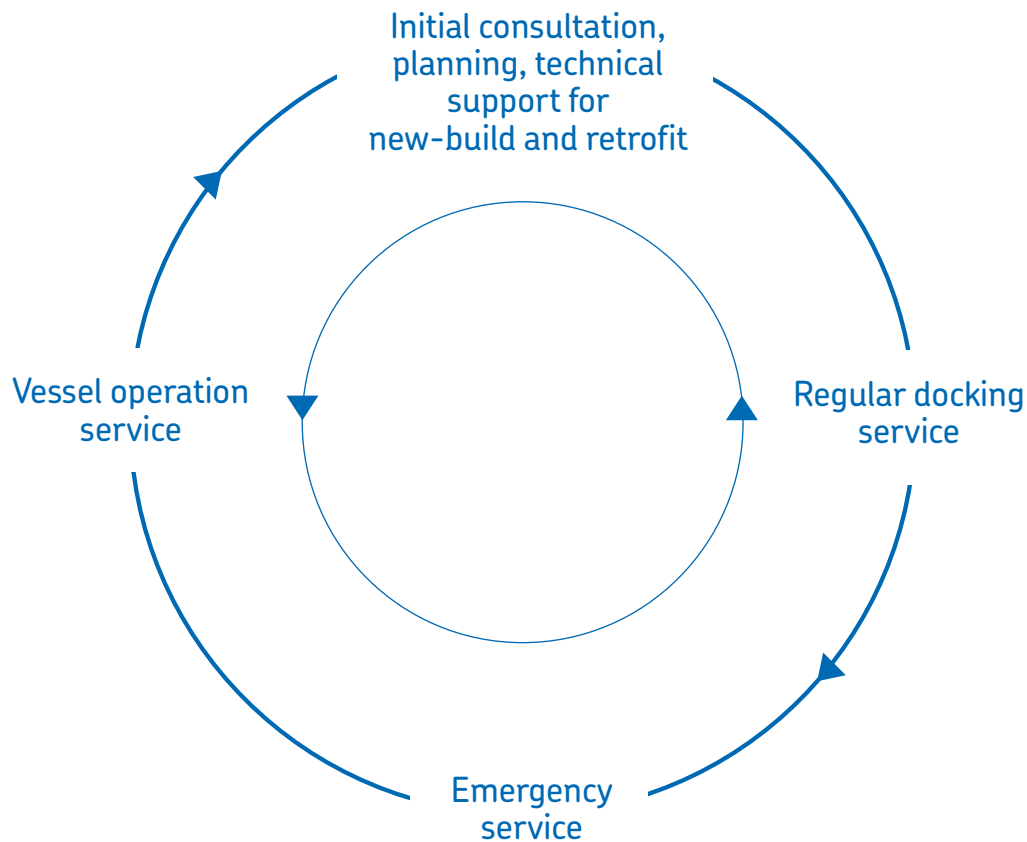
Everything from “single source”, “all-inclusive” and “comprehensive assistance” are familiar promises. But expectations of 24 hour service and constant availability often don’t translate into reality.

Our Simplex service holds to these promises. We aim to be measured by them, because we know that you need the security of a strong service partner. Our life cycle service assists you over the entire service life of our products, from the first complimentary presale consultation, right up to emergency repairs. And we do not make empty promises.

Benefits:

- Worldwide service network for maritime customers
- Available 24 hours a day, 365 days a year
- Direct contact by service email: service@bv-industries.com
- Qualified SKF service stations with trained and certified experts
- Highly professional staff for efficient service and customer support
- Life cycle support (services, ship history and service reports)
- Quick delivery and high availability of original spare parts, worldwide

360° life cycle service



Find your local contact

This QR code will take you directly to our global sales and service network.



A partner at eye level right from the start.

Initial consultation, planning, maintenance and repair – with our Simplex service your ship will make safe progress towards success.

All who face increasingly strong competition know that every detail counts. In daily operations, one single element can make the difference between success and failure.

Our Simplex service accompanies you through the entire planning phase of your ship, preparing customized solutions and together, laying the foundation for its future efficiency.

But our service does not end once the ship has been launched. With our regular and scheduled services, you can minimise the risk of unforeseen downtimes and repairs, while at the same time saving on costs.

We support you for instance, with a ship operation service which, in addition to fast and competent maintenance of all Simplex components, includes technical consultation and troubleshooting.

Since SKF Marine is with you right from the start, and performs a regular docking service upon request, we document the history of your ship thoroughly. Our advice is available around the clock, and it goes without saying that the first step is free of charge. So go ahead and give us a call – we look forward to hearing from you.

Initial consultation, planning, technical support for new-build and retrofit:

- Complimentary initial consultation
- Close coordination with the customer and the shipyard during construction
- Advice on country-specific provisions and regulations, for example in USA waters
- Initial installation of components
- Commissioning of the components on board
- Alignment control
- Product training for the crew

Regular docking service:

- Optimal replacement parts based on the ship's history
- Outstanding OEM quality
- High availability of replacement parts and express delivery
- Qualified service technicians worldwide
- Standardised service reports worldwide

Vessel operation service:

- Maintenance and functional checks for all components
- Technical advice, fault diagnostics and system optimisation
- Service information provided on a regular basis

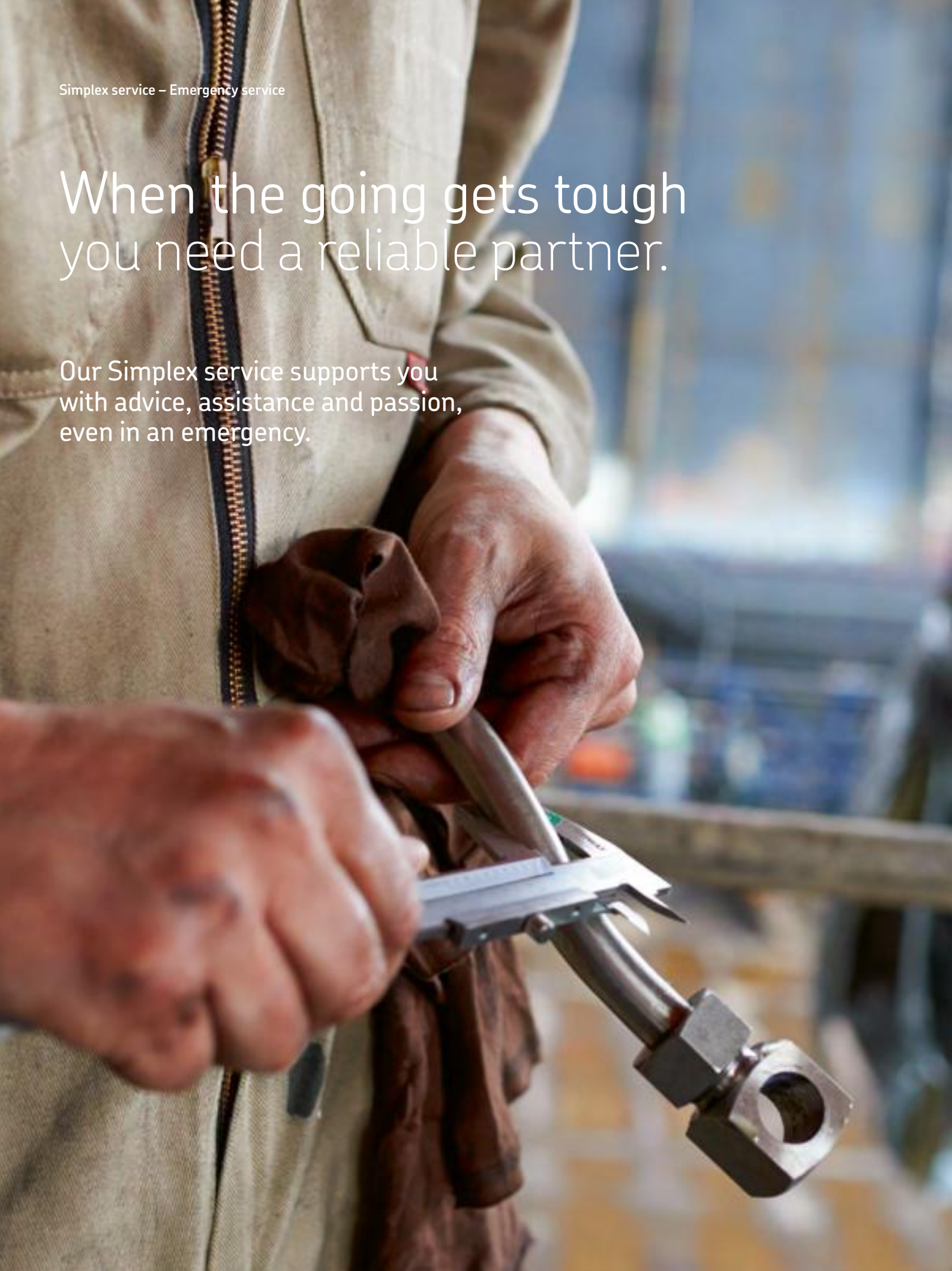
Simplex service – Planning, regular docking & vessel operation service



Simplex service – Emergency service

When the going gets tough you need a reliable partner.

Our Simplex service supports you
with advice, assistance and passion,
even in an emergency.



Sometimes even the best plans go awry. Regardless of how well you prepare and how elaborate the calculations are, some things cannot be controlled. But you can control your choice of service partner. And in doing so, you make an important initial decision should the worst come to the worst.

Our Simplex service offers fast and easy assistance in emergencies. Simply dial the central emergency number and our service engineer will analyze the problem and plan the next steps together with you. If an emergency repair is unavoidable, 98% of spare parts can be reproduced and delivered from stock. And here too, our thorough documentation of your ship's history benefits you, because just one glance at the data base can solve many problems faster and easier – around the world.

Depending on location and availability, together we decide whether an engineer from our headquarters or from one of our service stations will carry out the repair. And to get your ship back on the high seas quickly, SKF Marine maintains a large international network of Simplex service agents, every one of whom we've trained and certified.

That is service quality you can rely on.

Emergency service:

- 24/7 hotline with technical support
- Emergency service support
- Highest availability of standard components and spare parts
- Additional express production capacities
- Underwater repair service



Your Simplex service contact

Phone: + 49 40 30 11 - 22 33

Emergency phone number:
+49 172 437 47 78
(available 24 hours a day)

E-mail: service@bv-industries.com



An original from SKF Marine.

Always available and reliable – with spare parts from SKF Marine you have safety and quality on board.

Spare parts always available

When time is of the essence, every hour the ship is not running is a test of patience. Because we know how important prompt action is for you and your ship, we maintain our own central warehouse in Hamburg, as well as two other warehouses in Singapore and Shanghai. Moreover, we have special production capabilities to produce spare parts at very short notice.

The quality of an original

Availability is not all that counts though. Defective or poorly constructed spare parts can have serious consequences for maritime transportation. Long dock times and complicated, expensive repairs delay the onward journey and put you at risk of jeopardizing your contracts. You are spared all this if you rely on quality spare parts from SKF Marine. We subject our products to constant checks and develop them on an ongoing basis.

Of course, advice is included in the package, and sometimes there is no need to replace a part. The reconditioning of original parts on site as required, can be a cost-effective alternative to purchasing new.

Simplex spare parts from SKF Marine:

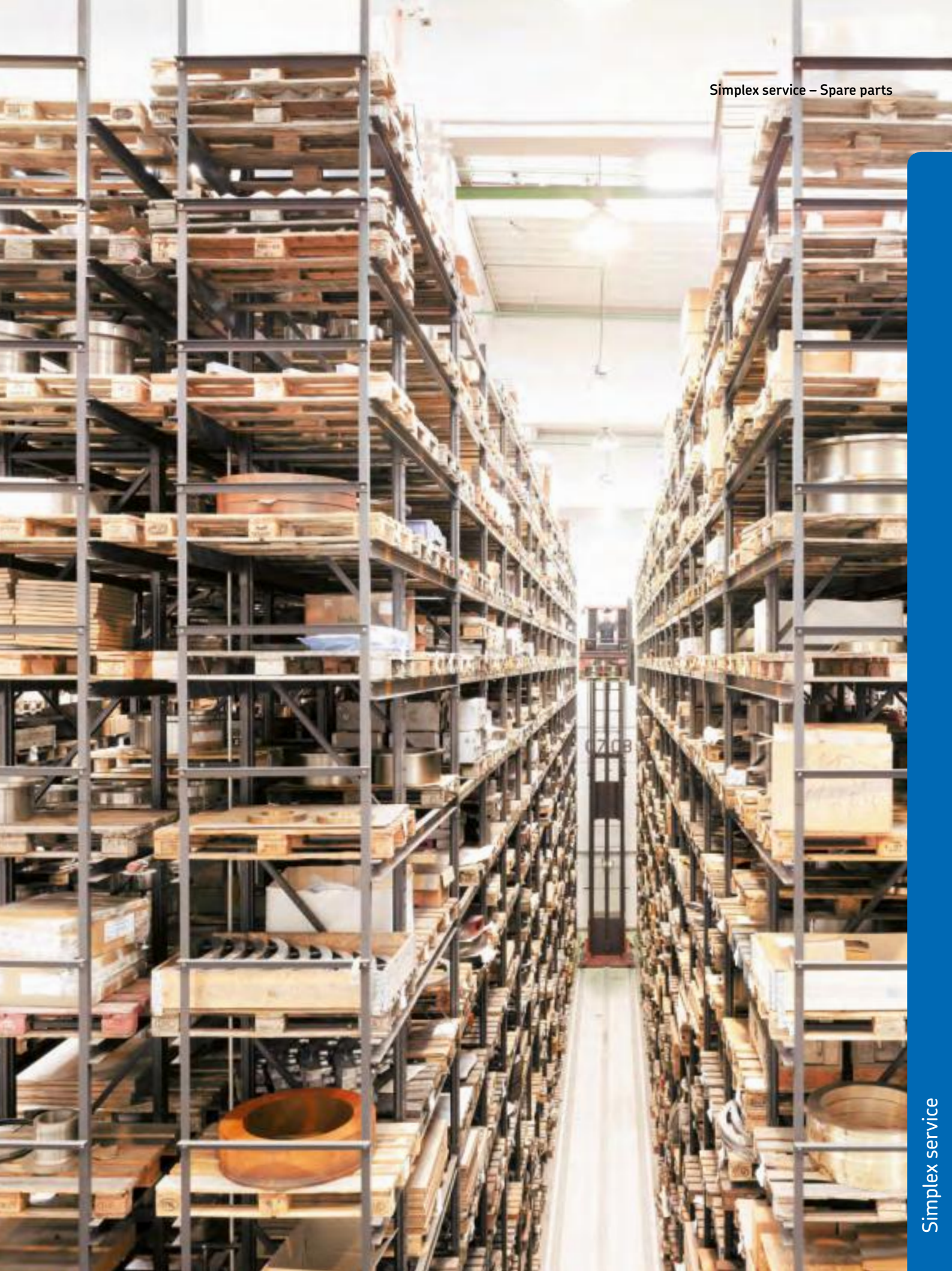
- Central warehouse in Hamburg plus two more in Singapore and Shanghai
- Short notice production of spare parts: 98% of already delivered parts can be reproduced within a very short time
- Speedy delivery thanks to airport security clearance
- Constant quality checks, ongoing development
- Specially-developed tools for spare parts installation



Your emergency contact for service and spare parts

Phone: + 49 172 437 47 78

E-mail: service@bv-industries.com



Machine Support service – Alignment services

When precision really matters.

For optimum alignment – Machine Support
service from SKF Marine.



Completely aligned components are the hallmark of the Machine Support service from SKF Marine.

Misalignments of a ship's components can be due to a variety of reasons, for example, an inaccurately mounted or deformed foundation plate, or an incorrect measuring method. The consequences range from vibration and noise, to high operating temperatures, impaired machine performance and premature wear.

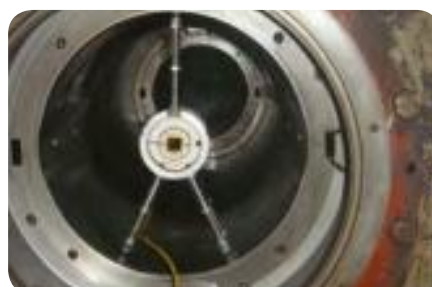
Drawing on SKF Marine's more than 30 years experience, our Machine Support service specialists have the skills and equipment to diagnose and correct any misalignment. We offer alignment solutions for every component in your ship, from propeller shafts to crane systems. Thanks to global availability, our service technicians can be on site, fully equipped, within a short space of time, and able to meet the most demanding and specific requirements quickly and reliably.

Our measurement techniques:

- Dynamic measurements on vessels in operation
- Static alignment measurements
- Vibration measurements and analysis
- Geometric measurements

Applications for alignment service:

- Nozzles
- Sterntube bearings
- Shaft generators
- Pumps
- Winches
- E-motors
- Engines
- Gearboxes



Your Machine Support service contact

Phone: +31-180-48 38 28

E-mail: service.marine@skf.com

Machine Support service – Alignment services

Shaft alignment – a new generation.

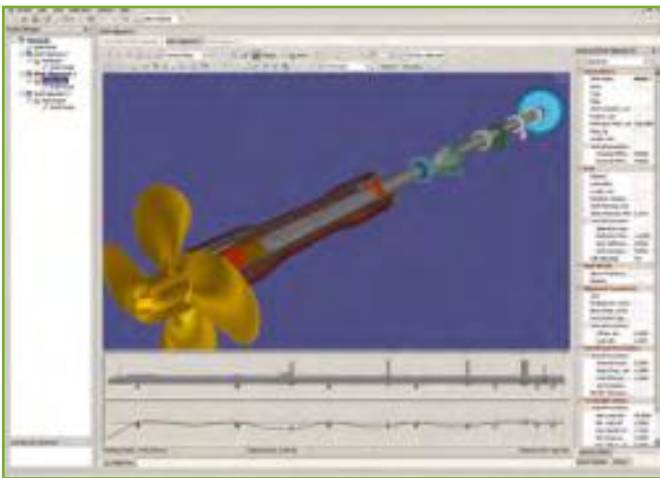
Calculation and visualisation of the optimum shaft
alignment – with ShaftDesigner software.



The innovative ShaftDesigner is a software package for use in performing propulsion shaft alignment and vibration calculations. Created in close cooperation with OEMs, classification societies and end-users, ShaftDesigner assists with optimizing propulsion shaft lines in any stage of a ship's life cycle. We can offer unique alignment capabilities, thanks to the reversed calculations module of the software.

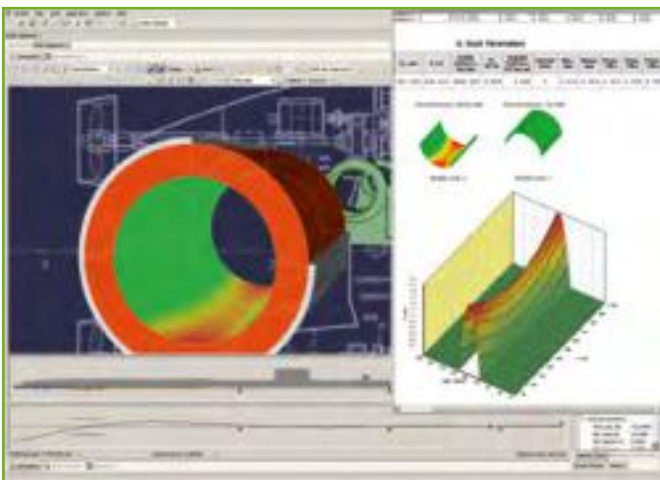
Measurements performed on board can be easily entered in the software, which calculates the alignment for the entire shaft line. A second measurement is then taken using a different method to validate the calculation of the first measurement. Combined with other measurement technologies from the Machine Support service, the time and thus costs involved in determining and solving alignment issues can be significantly reduced.

ShaftDesigner is an indispensable software tool for our Machine Support service experts. You may be interested in tackling your alignment challenges yourself, and if you're as impressed with ShaftDesigner as we are, you'll be pleased to know that the standard software package is available for purchase.



ShaftDesigner software enables the user to:

- Get quick, specific and accurate results while minimizing chances of input errors
- Prevent potential alignment problems and harmful vibrations
- Reduce the risk of shaft component malfunction and warranty claims
- Select the appropriate number of shaft components in a quotation phase
- Optimise shaft propulsion designs and alignment/installation procedures
- Save time while troubleshooting alignment and vibration problems on any vessel
- Apply the latest insights, rules and regulations as a result of continuous software development



The software's main features are:

- Shaft alignment calculations using an FEM model under all operating conditions of a vessel
- Calculation of whirling/bending, axial and torsional vibration including ice impact function
- Drag and drop modelling including component library and history/undo function
- 3D graphical user interface and a single base model for all calculations
- Classification society independent
- Following of IACS standards and specific classification society rules and regulations
- Customizable reports with export options and all required input to obtain classification society approval

With absolute precision – chocking and mounting from Machine Support service

Accuracy of the highest standard
is our strength.

High-precision chocking and mounting are basic requirements for the safe and efficient operation of a ship, causing minimal wear and tear. We are not satisfied until every single component is perfectly positioned, optimally seated and precisely aligned.

The first step is to calculate chocking needs for all required elements. These calculations are in line with classification society requirements, and provide precise details for potential chocking solutions. We can advise you further on this subject at your request.

Then, we proceed with the chocking of your main engines, sterntubes, gearboxes, gas tanks, winches and more by, making use of SKF Vibracon, Epocast, Steelshims, vibration dampers or classic metal chocks.

As a top partner within the industry, we ensure that all our components meet the highest OEM requirements. Whether you have a new build project, require a repair or are looking for a misalignment solution: whenever you need perfect chocking and mounting, we are there for you – worldwide.

Applications for chocking and mounting service:

- Main engines
- Sterntubes
- Gear boxes
- Gas tanks
- Winches
- Auxiliary equipment

Our chocking products:

- SKF Vibracons, self-levelling, height adjustable and re-usable chocks
- Steelshim
- Epoxy resins
- SKF Spherical washer

- Supplementary items:
Mounting kits, including bolts, nuts,
fitted bolts and washers

Your Machine Support service contact

Phone: +31-180-48 38 28

E-mail: service.marine@skf.com





With us on site, you can sit back and relax.

We use our experience and first-rate equipment to support you on new installations and repairs – fast, flexible, worldwide.

As complete solution specialists, we have the right equipment to fulfil a wide range of on-site machining needs. Not just convenient, on-site machining is often unavoidable when dealing with large equipment, which may be too large, or too time-consuming to transport.

Our extensive experience ranges from machining for new installations, to performing challenging repairs around the globe, when and where it's required.



Your emergency contact for Machine Support service

Phone: +31-180-48 38 28

E-mail: service.marine@skf.com

On-site machining services:

- Drilling/Tapping:
Drilling jobs up to 120 mm
- Line boring:
As the final solution to
· Sterntube bearings
· Hinges
- Milling and turning:
Straightening of the foundation plate
for subsequent optimal alignment of
components, on-site milling and turning
for various ship components
- Flange facing:
To ensure optimal sealing between flange
facings, e.g. for roller bearings and crane
platforms, thrusters, crane pedestals,
flanges and steering gear foundations
- Honing:
Precise connection of couplings
and fitting bolts
- Portable lathes:
Machining of shafts

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7

Machine Support service – On-site machining



Machine Support service

The Power of Knowledge Engineering

Combining products, people, and application-specific knowledge, SKF delivers innovative solutions to equipment manufacturers and production facilities in every major industry worldwide. Having expertise in multiple competence areas supports SKF Life Cycle Management, a proven approach to improving equipment reliability, optimizing operational and energy efficiency and reducing total cost of ownership.

These competence areas include bearings and units, seals, lubrication systems, mechatronics, and a wide range of services, from 3-D computer modelling to cloud-based condition monitoring and asset management services.

SKF's global footprint provides SKF customers with uniform quality standards and worldwide product availability. Our local presence provides direct access to the experience, knowledge and ingenuity of SKF people.



SKF BeyondZero

SKF BeyondZero is more than our climate strategy for a sustainable environment: it is our mantra; a way of thinking, innovating and acting.

For us, SKF BeyondZero means that we will reduce the negative environmental impact from our own operations and at the same time, increase the positive environmental contribution by offering our customers the SKF BeyondZero portfolio of

products and services with enhanced environmental performance characteristics.

For inclusion in the SKF BeyondZero portfolio, a product, service or solution must deliver significant environmental benefits without serious environmental trade-offs.

What can we do to help? We look forward to hearing from you.

Please contact:

SKF Marine

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PUB 43/S1 15775 EN · May 2015

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