

YOUR PROPULSION EXPERTS



PROPULSION AND AUTOMATION
FOR RELIABLE OFFSHORE VESSELS



Service Operation Vessel Bibby WaveMaster Horizon 2 x SRP 460 (2150 kW each), 1 x SRP 260 RT (860 kW), 2 x STT 4 (860 kW each)

EFFICIENT VESSELS FOR CHALLENGING TASKS

Offshore vessels like service operation vessels, offshore construction vessels or platform supply vessels fulfil a wide variety of functions in the offshore sector. It is essential that these vessels' propulsion systems work reliably and safely to ensure maximum manoeuvrability and precision positioning in DP operation. In addition, efficient propulsion plays one of the key roles in keeping operating costs to a minimum.

This is precisely what SCHOTTEL Propulsion Systems offer: safety and comfort for the crew, precision positioning and maximum manoeuvrability for successful operations. SCHOTTEL Automation Systems and Marine Services can be used to exploit the further potential of individual vessels or even an entire fleet.

+ **PRECISE POSITIONING
IN DP MODE**

+ **MAXIMUM
MANOEUVRABILITY**

+ **SAFETY FOR
THE CREW**

+ **WORLDWIDE
SERVICE**

+ **RELIABLE EQUIPMENT
FOR MAXIMUM UPTIME**

+ **PROFESSIONAL
PROJECT MANAGEMENT**

+ **EASY
INSTALLATION**

SCHOTTEL IN THE OFFSHORE MARKET

1963

SRPs for a core drilling vessel, equipped with the world's first DP system

70+ YEARS

Expertise in the development and production of propulsion systems



Service stations worldwide

HIGH QUALITY AND RELIABLE PROPULSION

YOUR MAIN PROPULSION OPTIONS



SCHOTTEL RudderPropeller SRP

- Optimum efficiency for maximum manoeuvrability
- High propulsion efficiency: lower operating costs and lower emissions
- Precision positioning in DP operation
- Exclusive features such as ProAnode, HTG, highly efficient nozzles, LeaCon or DuroVario
- A whole range of configuration options
- Minimal maintenance effort, long-term availability of spare parts as OEM
- Compatible with SCHOTTEL hybrid solutions (SYDRIVE-E and SYDRIVE-M)



SCHOTTEL RudderPropeller, variant with unique embedded L-Drive design SRP-LE

- Electric motor is customer choice, all types and brands suitable
- Extra-low installation height inside thruster room, comparable with Z-Drive
- Reduced fuel consumption due to dispensing with the upper bevel gear: +3% mechanical efficiency compared to Z-Drive
- Enhanced crew comfort due to noticeable reduction of propulsion-related noise and vibration
- CP is possible (optional)



SCHOTTEL Dynamic Fast-Response RudderPropeller SRP-D

- Dedicated fast-response azimuth thruster for highly sophisticated DP operations
- Superior thrust vectoring with electric high speed azimuth steering
- 98° downwards-tilted propeller shaft for maximum DP performance
- Embedded electric motor LE-Drive: extremely compact
- Reduced vibrations for enhanced crew comfort



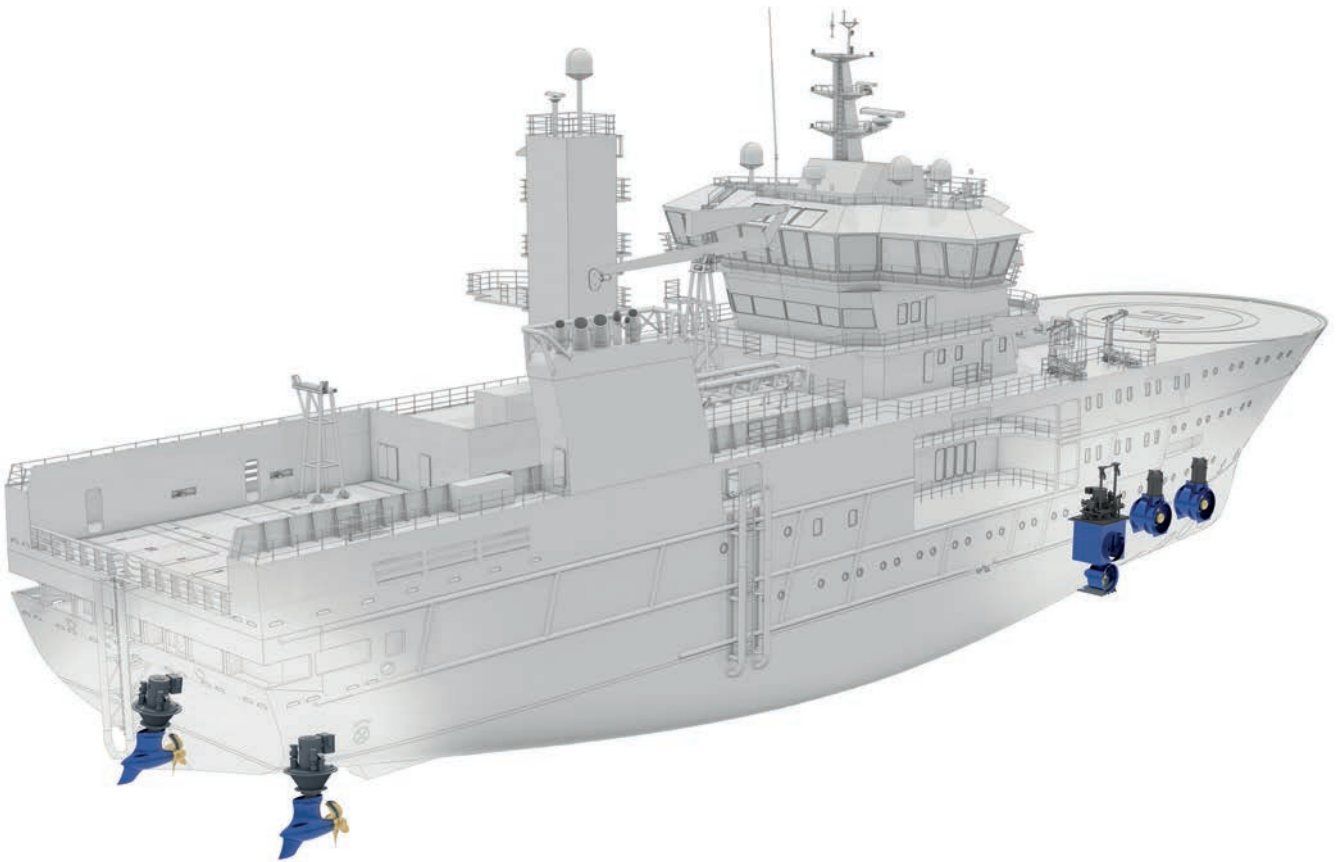
SCHOTTEL EcoPeller SRE

- Best values in drive efficiency and course stability
- Optimized for open seas and coastal operating conditions with powerful DP operation
- Numerous configuration options for integration
- Versatile applications, especially suitable for medium to high speeds
- Compatible with SCHOTTEL hybrid solutions (SYDRIVE-E and SYDRIVE-M)
- Outstanding comfort as LE-drive: extremely low vibration and noise level
- Various installation options



SCHOTTEL Underwater Mountable RudderPropeller SRP-U

- Designed for use in the most extreme conditions
- Mounting and dismounting on site underwater, no need for time-consuming stay in dry dock
- Simple and safe installation
- Maximum dynamic positioning performance (DP) even in the most difficult sea conditions
- 98° downwards-tilted propeller shaft, which prevents any interference when installing several propulsion units or in special mounting conditions



AUXILIARY PROPULSION



SCHOTTEL Transverse Thruster STT

- Maximum thrust
- Compact design
- Less maintenance required due to its robust, high-quality design
- Features such as LeaCon or HTG (optional)
- Well installation for easy access to the propulsion unit (optional)
- Elastic installation version ensuring reduction in noise and vibration levels while enhancing comfort (optional)



SCHOTTEL Retractable Rudder Propeller SRP-R

- New features such as HTG, high-performance nozzles, ProAnode or LeaCon
- Enhanced drive efficiency with 98-degree gearbox variant
- Flexible: Adaptation to different operation profiles
- SRP-RT available as combined retractable tunnel unit
- Can be used as take-home system
- Based on successful SCHOTTEL Rudder Propeller technology

WIND TURBINE INSTALLATION VESSELS

VESSELS FOR CHALLENGING TASKS



photo credit Jan De Nul Group

Offshore Jack-up Installation Vessel Vole au Vent 4 x SCD 560 (2600 kW each), 3 x STT 3030 (2500 kW each)



DP2 Offshore Installation Vessel Innovation 4 x SRP 560 (3500 kw each), 3 x STT 3030 (2800 kw each)

SERVICE OPERATION VESSELS

EFFICIENT VESSELS FOR EFFECTIVE MAINTENANCE

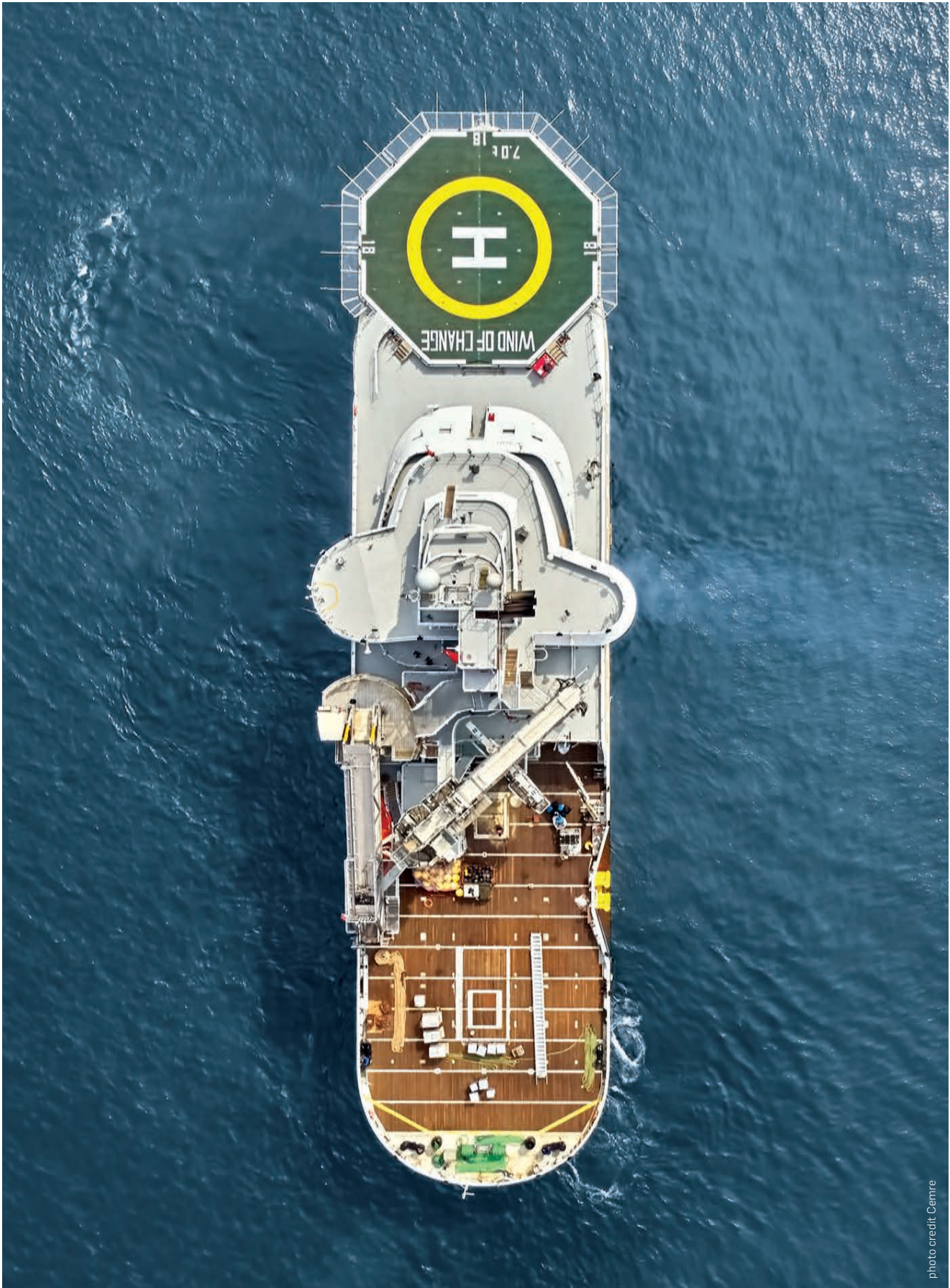


photo credit: Cemre

Service Operation Vessel Wind of Change 2 x SRP 430 (1660 kW each), 1 x SRP 260 RT (860 kW), 2 x STT 6 (1400 kW)

OFFSHORE SUPPORT VESSELS

SERVING MULTIPLE PURPOSES



Diving Support Construction Vessel Van Gogh 2 x SRP 630 (3000 kW each), 1 x SRP 340 R (1200 kW), 3 x STT 6 CP (1800 kW each)



Offshore Support Vessel Shelia Bordelon 2 x SRP 1215 (1641 kW each), 2 x STT 2 (700 kW each)



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AFTER SALES SERVICE – DURING THE VESSELS LIFETIME

Delivering state-of-the-art propulsion and automation solutions is not enough for us. Thanks to decades of experience in the field

of propulsion technology, we are able to offer high-quality services tailored to your individual needs throughout the vessel's service life.



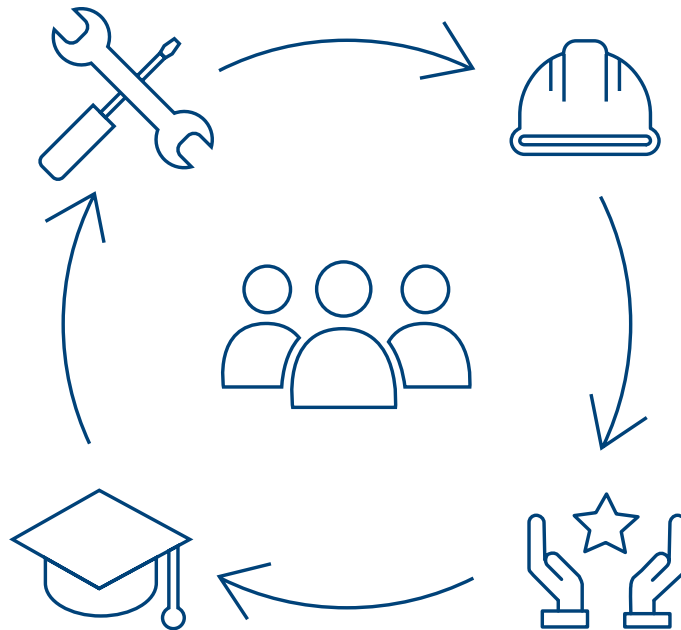
SPARE PARTS

- ▶ Fast delivery time thanks to global warehouse logistics
- ▶ Decades of documentation for clear identification of spare parts
- ▶ Production of almost all spare parts
- ▶ OEM warranty
- ▶ Original spare parts with all technical revisions known up to the time of manufacture



MAINTENANCE

- ▶ Globally standardized and proven high-quality service levels
- ▶ Preventive and predictive maintenance concepts
- ▶ Remote service support with augmented reality tools
- ▶ Vibration measurement with SCHOTTEL VibCheck
- ▶ More than 140 highly qualified service technicians worldwide



TRAINING

- ▶ Customer training courses in local language
- ▶ Courses on site or in one of 4 SCHOTTEL training centers (GER, USA, AUS, SGP)
- ▶ Permanent international knowledge transfer for service technicians



UPGRADES

- ▶ Increase of the shipowner's profit

UPGRADE LEVELS:

- ▶ Control systems
- ▶ Thrusters
- ▶ Systems for intelligent operative monitoring



BEHIND THE SCENES

Since the invention of the rudder propeller in the early 1950s, SCHOTTEL has acquired a wealth of expertise in the development, design and production of state-of-the-art marine propulsion and control systems.

Today, a team of more than 100 engineers develops propulsion systems and digital solutions, which are manufactured to the highest quality standards in our modern production facilities in Germany.



70+ years

Expertise in the development and production of propulsion systems



>10

Product series in our portfolio



50 to 30,000kW

Power range



500+

Propeller designs per year



39,000m²

Production area

PROPULSION TECHNOLOGY – COMPETENCE IN CUSTOMIZED ENGINEERING

MECHANICAL DESIGN

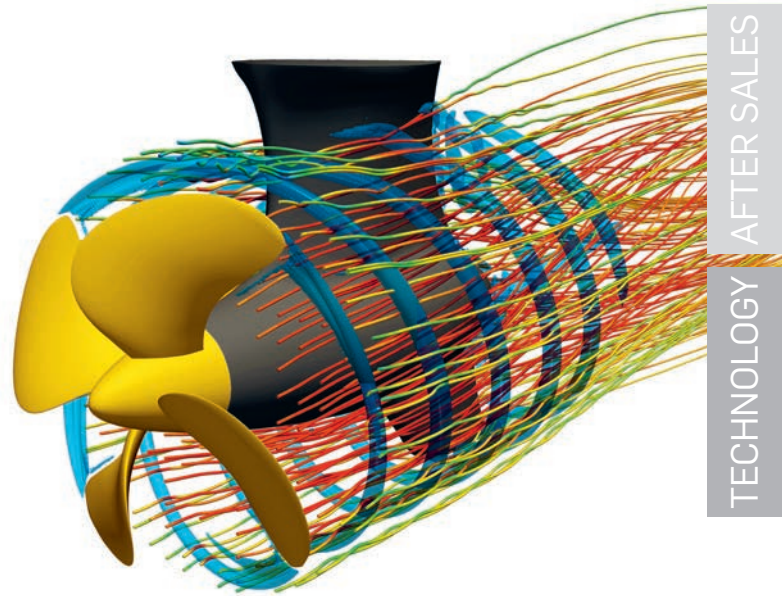
- Mechanical power transmission
- Structural mechanics
- Hydraulics & pneumatics
- Sealing technology

ELECTRICAL ENGINEERING

- Automation
- Power electronics
- Assistance systems

HYDRODYNAMICS

- Propeller design
- Model testing
- Computational fluid dynamics



+ GERMAN
ENGINEERING

+ CUSTOMER-ORIENTED DEVELOPMENT
WITH EXPERIENCED IN-HOUSE R&D

+ SUSTAINABLE MANUFACTURING FACILITIES
FOR STATE-OF-THE-ART PROPULSION SOLUTIONS

YOUR QUALITY BENEFITS

- Ongoing certification process
- Quality controls during production
- Standardized FAT procedure
- Close dialogue with our suppliers

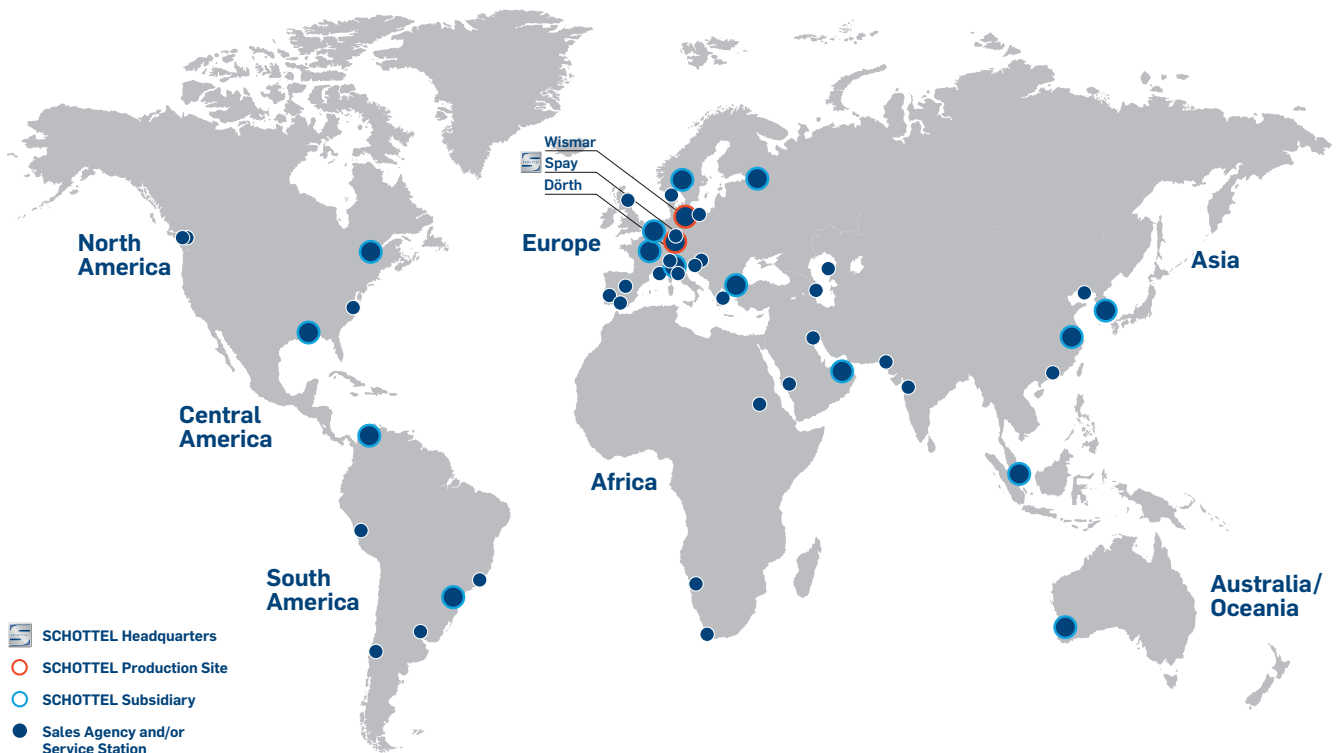
WE KNOW WHAT MOVES SHIPS



... and many more vessel types

✉ Please contact sales@schottel.de for information about your next new build or conversion project.

SCHOTTEL Worldwide



Your local partner