

TEMAR™ Shipboard Cables



Application

The shipbuilding industry is becoming more and more demanding in several class of performance (e.g. eco-friendliness, reduced fuel consumption) and related regulations (e.g. Safe Return to Port) as well as a harder and harder competitive arena in terms of both cost and lead time reduction.

With the goal of maximizing passengers' comfort, operational efficiency, safety and speed, the shipyard industry is looking for new solutions in terms of both product and system development.

Demanding safety standards, enhanced supply chain performances, increased data, power and optical transmission find the best response in Prysmian's TEMAR™ product range.

In terms of Fire Resistance performance, our technological solutions are milestone for industry advancement. Seaflame™ is Prysmian innovative interpretation of electrical components and cable requirements, which enable shipbuilders to comply with the regulatory demands.

Combining every feature and requirement to exceed the most stringent fire resistance standards (including mechanical shock and water extensive contact), Seaflame™'s ultra fire resistance and ultra-high performance guarantee operation in case of fire, helping to support shipyards in complying with SOLAS' Safe Return to Port regulations, and ensuring the highest levels of safety on all vessels.



Linking the future

As the worldwide leader in the cable industry, Prysmian Group believes in the effective, efficient and sustainable supply of energy and information as a primary driver in the development of communities.

With this in mind, we provide major global organisations in many industries with best-in-class cable solutions, based on state-of-the-art technology. Through two renowned commercial brands - Prysmian and Draka - based in almost 100 countries, we're constantly close to our customers, enabling them to further develop the world's energy and telecoms infrastructures, and achieve sustainable, profitable growth.

In our energy business, we design, produce, distribute and install cables and systems for the transmission and distribution of power at low, medium, high and extra-high voltage.

In telecoms, the Group is a leading manufacturer of all types of copper and fibre cables, systems and accessories - covering voice, video and data transmission.

Drawing on over 130 years' experience and continuously investing in R&D, we apply excellence, understanding and integrity to everything we do, meeting and exceeding the precise needs of our customers across all continents, at the same time shaping the evolution of our industry.

What links global expertise to the wheels of industry?

High-performing cable solutions to keep the wheels of industry turning.

On every continent, in applications that range from commercial vessels to passenger ships and mega-yachts, workboats, tugs, icebreakers, specialized vessels (e.g. pipe-laying ships) and military vessels, Prysmian's specialist cable solutions sit at the heart of significant international projects; supporting the work of major customers, with high-performing, durable and safe technology.

As the world leader in cabling, we draw on global expertise and local presence to work in close proximity with our customers, delivering products and service platforms built on easy contact, bespoke solutions and effective supply chain, meeting their specialized requirements, to help them drive the wheels of industry and achieve sustainable growth and profitability.

Benefits

> Wide Range

Prysmian's TEMAR™ product line incorporates a wide range of marine cables covering all possible uses on board a vessel, including all families of power cables from 1 kV to 20 kV, telecom cables with various braiding and shielding alternatives as well as special bus and fibre optic cables. In addition, Prysmian can also provide coaxial, radiating antenna and data cables. Thanks to the variety of cable sizes all customer needs can be met.

> Light and Small

Space is a scarce commodity on a ship, and weight is a major concern for shipbuilders and owners. Prysmian cables are designed with small diameters and light constructions, to provide overall benefits to the ship weight and operation. In order to save more space and weight, smaller cable trays can be used, too.

> Easy and quick to install

On board a ship there is very little room, and the

installations of cables can be a time consuming operation and can require hard work. Prysmian has developed cables that are flexible, easy to bend, easy to peel and easy to pull, in order to optimize the installation process even in the most narrow spaces.

> Close to Customers

TEMAR™ marine cables concept consist also in being close and accessible to customers, thanks to a wide sales network covering more than 50 countries. By contacting the closest Prysmian affiliate, you will be addressed to a dedicated supply chain in order to receive the best possible assistance according to your needs.

> Stock Availability and Logistic Services

Prysmian is committed to serve most demanding customers from shipbuilders to installers and repair yards. A centralized stock with multiple daily call-off updates allow to achieve 24-hour ex-works delivery. Convenient stock location permits to effectively and timely reach client facilities.

APPROVALS

TEMAR™ product line has been approved by the widest range of classification societies to comply with insurance demand.

- Lloyd's Register of Shipping (LR)
- Det Norske Veritas (DNV)
- Germanischer Lloyd (GL)
- Registro Italiano Navale (RINA)
- Bureau Veritas (BV)
- American Bureau of Shipping (ABS)
- Russian Maritime Register of Shipping (MRS)
- China Classification Society (CCS)

TECHNERGY Integrated Cabling Solutions™



Prysmian's TECHNERGY integrated cabling solutions™ is one of the world's most comprehensive and technologically advanced answers to industry, infrastructure, contractors and OEM's specific requirements.

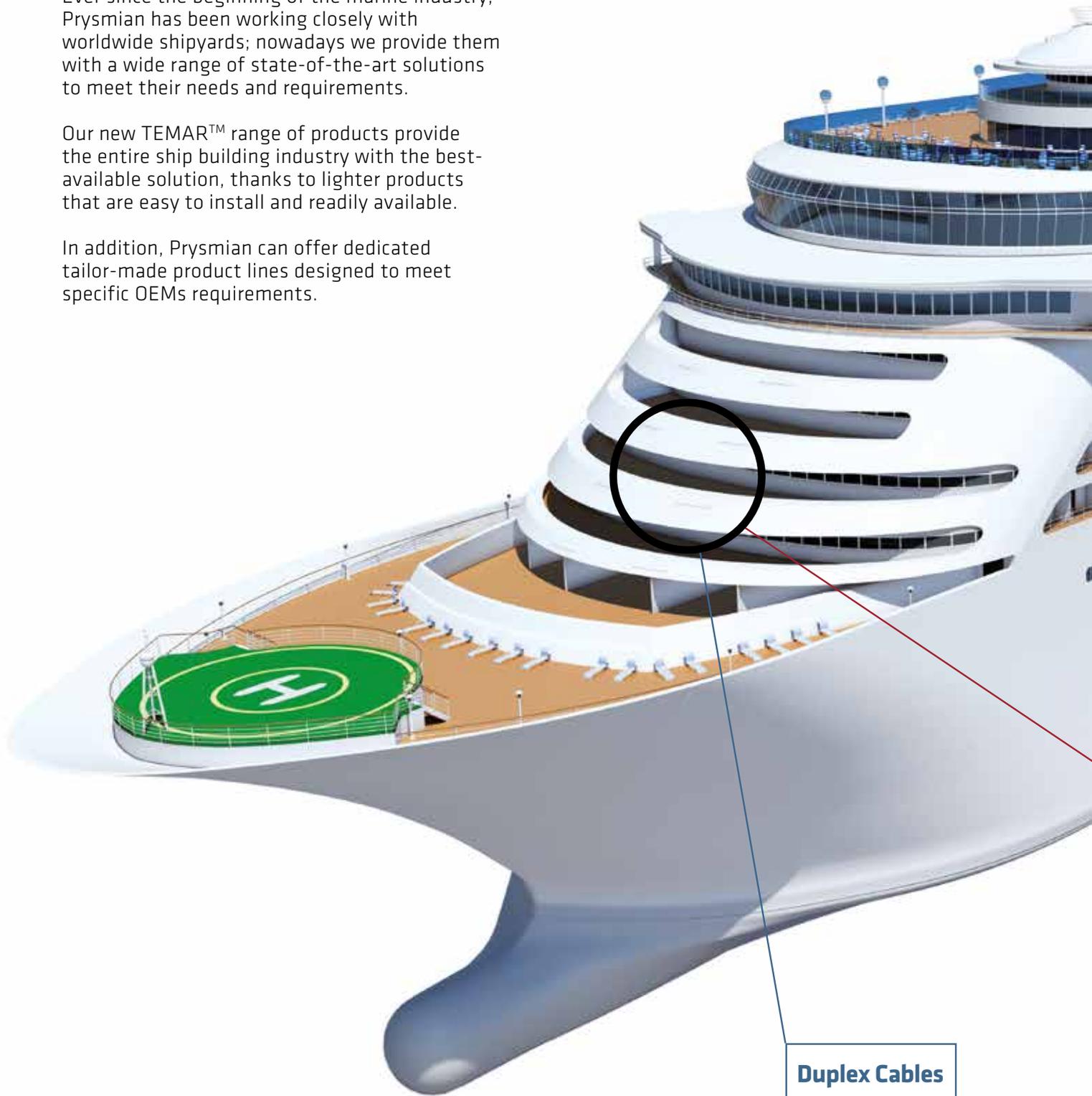
TECHNERGY integrated cabling solutions™ are designed and structured into different product lines. Each one of these offer tailored designs and added value solutions to the most diverse functional and environmental requirements in various fields including trains and transportation infrastructures.

Cable families at a glance

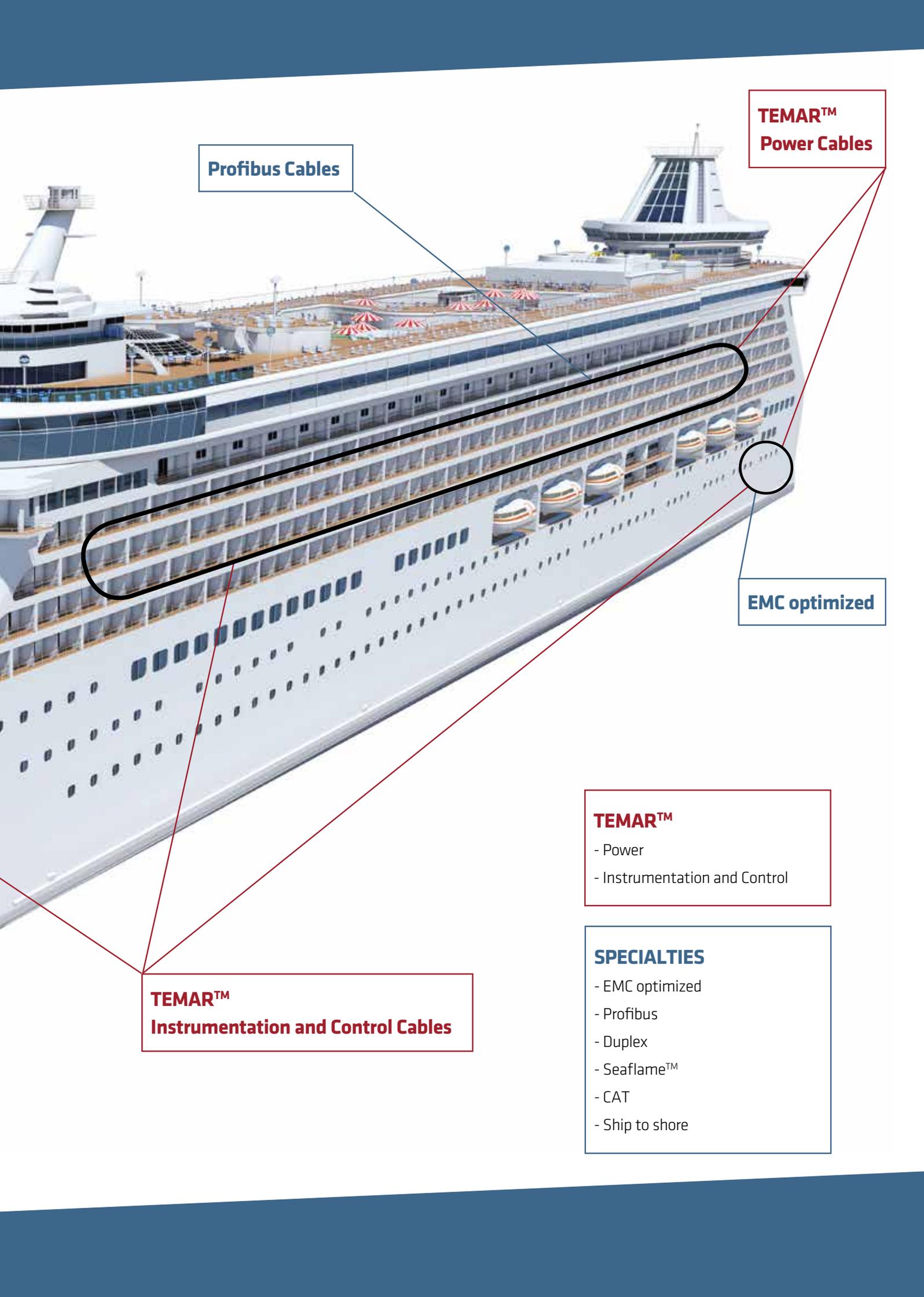
Ever since the beginning of the marine industry, Prysmian has been working closely with worldwide shipyards; nowadays we provide them with a wide range of state-of-the-art solutions to meet their needs and requirements.

Our new TEMAR™ range of products provide the entire ship building industry with the best-available solution, thanks to lighter products that are easy to install and readily available.

In addition, Prysmian can offer dedicated tailor-made product lines designed to meet specific OEMs requirements.



Duplex Cables



Profibus Cables

**EMAR™
Power Cables**

EMC optimized

**EMAR™
Instrumentation and Control Cables**

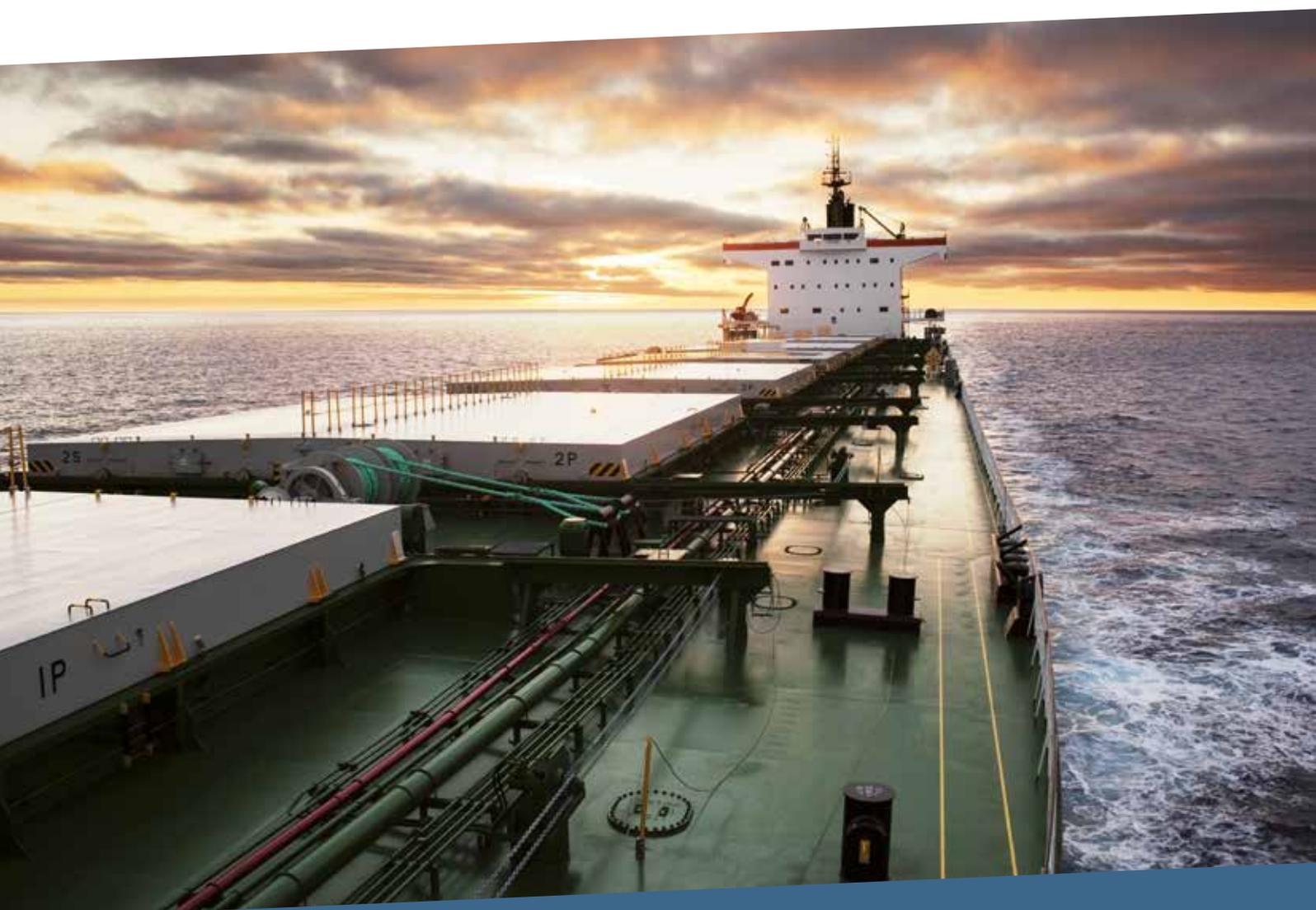
EMAR™
- Power
- Instrumentation and Control

SPECIALTIES
- EMC optimized
- Profibus
- Duplex
- Seaflame™
- CAT
- Ship to shore

An outstanding track record

Among our main projects:

Customer	Type of vessel	Name
Fincantieri	Patroller	Gauthier
	Cruise Liner	Queen Elizabeth
	Cruise Liner	Oceania
	Military	Fremm
STX	Cruise Liner	TUI 1
	Arctic Research Vessel	Unknown
Aker Yards	Passenger Ferry	Viking Xpress
Arctech	Multifunctional Ice Breaking Supply Vessel	Vitus Baering
Kleven Verft	Multi Purpose Service Vessel (MPSV)	Dina Star
Volgograd Shipyard	Tanker	Hull 352



Linking global expertise
to the wheels of industry

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