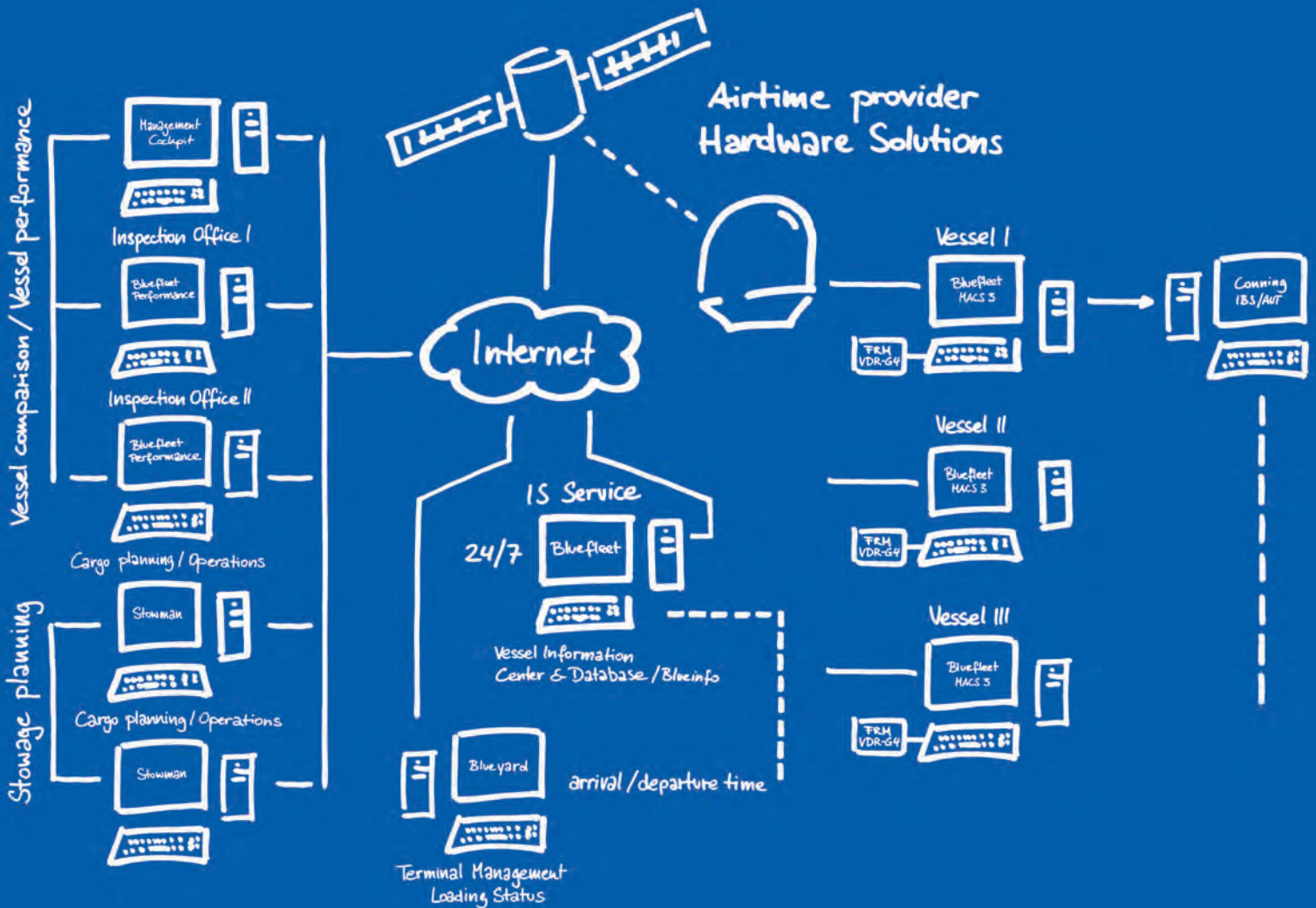


Innovation for shipping



Unique product portfolio

Quality and reliability reputation

Integrated systems and services for one-stop shopping

Outstanding reference list

General contractor for electrical package

Market leader for software solutions

World wide service network

Most modern training facilities

INTERSCHALT maritime systems AG is one of the leading suppliers of maritime systems and electro-technical equipment, automation and information technology for the shipping and shipbuilding industry. With products and services from the maritime divisions 'Engineering & Automation', 'Software Solutions', 'Education & Training' and 'Service' INTERSCHALT is the competent and reliable partner during the vessel's complete life cycle.

The world leading companies in shipping trust INTERSCHALT and we are a reliable partner since more than 50 years. Our aim is to provide our customers at sea and ashore with excellent products and services. These enable our customers to operate the fleet efficient and profitable during the vessel's life cycle.



Satellite communication

Communication is the backbone to realize the integration along the IS value chain. Our software products are ready for effective communication solutions. Within the cooperation with Telespazio, INTERSCHALT also provides installation and maintenance services for satellite communication equipment on vessels.

World-wide service network

With branch offices and service stations in Hamburg, Rotterdam, Shanghai, Wuhan, Houston and Fort Lauderdale we are able to be closer to our customers – within in three time zones. To provide the market with our products and services in an optimal way INTERSCHALT further works with certified local agents and resellers.

One-stop shopping - complete system solutions

With a unique product portfolio, INTERSCHALT offers one-stop shopping of complete system solutions ranging from electrical systems, software solutions, service to education and training.

INTERSCHALT also works as a general contractor being responsible for the whole electrical package on board. In addition, by combining our own products with third-party components and integrating them into one system, we add value for our customers. As the general contractor we offer turn-key solutions along the entire life cycle from ship building to ship operations.

Engineering & Automation

Complete system solutions for large ship-building projects offering over 50 years of experience in electronic engineering, automation and voyage data recorder technology. Most reliable partner with over 100 years experience in realising automation projects: More than 10,000 vessels equipped and more than 1,800 Voyage Data Recorders installed.

By integrating own and third-party products INTERSCHALT offers an unique package of hardware and services during the process of shipbuilding.

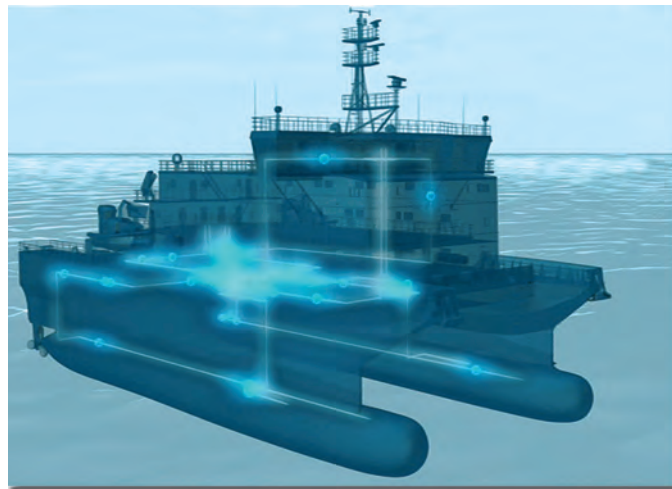
Portfolio

- Switch boards
- Control consoles
- Integrated automation systems
- Electrical ship propulsion systems (low voltage)
- Reefer container monitoring systems
- Engine order telegraph systems
- Ship safety systems
- Voyage data recorder
- Water ingress detection systems (WIDS)
- Anchor and mooring winch control systems
- Electrical crane equipment



Integration of third-party products

- Navigation equipment
- External communication
- Internal communication
- TV-entertainment systems
- Navigation lights
- Cabeling
- Power management systems
- Main engine remote control systems



General contractor for the electrical package

With own and third-party partner products INTERSCHALT acts as general contractor. We design the partnership from the concept phase up to the ship's hand over. Thereby, we take over the responsibility for the complete electrical package subject:

- Centralized responsibility from one source
- Complete system integration
- All interfaces managed by INTERSCHALT
- Technical assistance for shipyards and shipdesign companies
- All logistical processes are managed through one source
- Simplified and clear scheduling during commissioning
- Reduction of after sales service costs

Software Solutions

World market leader for loading computers on board, offering central stowage planning and management software for the maintenance of entire fleets.

- More than 5,100 loading computer installed
- More than 2,500 ship management licences sold



Cargo management system

The loading computer system MACS3 covers features from basic stability and strength calculations, to lashing optimization, crane operations, damage stability, automatic ballast tank optimization, with interfaces to tank level and draft gauging, interfaces to container booking systems and finally to the handling of dangerous goods.

Stowage planning for terminals and shipping lines

The stowage planning software STOWMAN is an innovative software for terminals and shipping lines that provide the handling and storage of containerized and general cargo.

Fleet management system

The fleet management system Bluefleet can be configured from a planned maintenance system to a fully equipped ISM fleet management system. With only one SQL database for the entire fleet, the user receives a fleet-wide overview about the technical status of his vessels.

Satellite communication

From our strategic alliance with Telespazio we are ready for satellite communication providing hardware, installation, maintenance service, air-time and the software Bluetracker for ship to shore communication.

Service

World-wide 24/7 support and service on-site from one of our service hubs located around the globe – for NavCom, automation, switchboards and VDR.



Own skilled service engineers and over 30 certified service partners are executing maintenance service on-site. We also retrofit all NavCom, automation systems, switch boards and VDR parts.

Best service - efficient and competitive

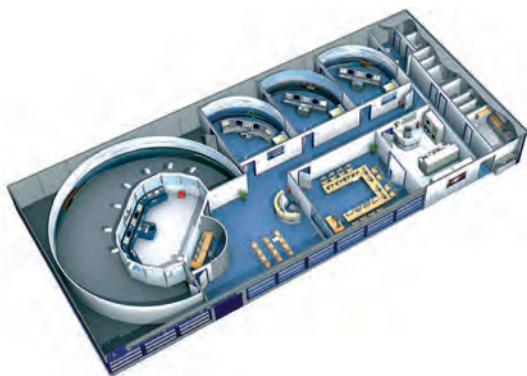
Customer also benefit from our database information system Blueinfo. The central database tracks the progress of service interventions and provides quick online and offline service solutions to all connected service engineers.

Education & Training

Europe's most modern privately-owned center for educating and training (MET) of crews in four ship bridge simulators, an engine control room and dedicated IT seminar rooms.

Significant features

- Main bridge with a 270° view angle equipped with the latest Sperry navigation and communication components 'Vision Master FT'.
- Three bridges with a 120° view angle equipped with the latest components from Raytheon/Anschutz, Transas and Sperry.
- Engine room simulator for various engine types and components from leading manufacturers.
- IT rooms with a capacity of up to 24 seats available



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