Just like at sea, we are committed to environmental sustainability ashore too: this information is printed on forest-friendly paper.
riv a t rigoso. the special place where our steam turbines take shape.
— Engineering, Design, Expertise, Technology and Know-how. 100% Italian quality.

our people follow the lifecycle from design to delivery and beyond.
fincantieri mechanical systems and components for marine applications: steam turbines

— Fully designed and built in Italy in Riva Trigoso, Fincantieri Steam Turbines combine long-standing experience, state-of-the-art technology and the continuous feed-back and support of our worldwide clients enabling us to constantly improve.

The Steam Turbine design concept is modular, and every detail of the design can be customized according to our clients' requirements with the constant support of our engineers and technicians.

an advanced technology tailored to on board application

— Power range: from 200 kW to 50 MW

type
• Microgeneration
• Single Stage
• Multistage
• Condensing/backpressure

a green heart in the blue sea

power range

L: from 25 MW to 50 MW
M: from 10 MW to 25 MW
S: from 1 MW to 10 MW
XS: from 200 kW to 1 MW

steam evolution

marine propulsion
— Complete steam propulsion plants: Military, Merchant, LNG Carriers

COGES plants
— Combined Heat and Power generation from Gas turbine propulsion plants

heat recovery systems
— Power generation from wasted steam
— Turbogenerator and auxiliaries design
— Ship Integration Engineering

Riva Trigoso (GE)

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Riva Trigoso (GE)
**turn key plants**

Fincantieri is experienced in supplying complete power islands integrating all mechanical and electrical auxiliaries and components.

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**on board integration**

- "Thermal cycle" integration:
  - Heat balance
  - General arrangement with space optimization
  - Automation system

- Customer support for the investment assessment:
  - Steam excess evaluation based on ship operating profile
  - System selection
  - Energy recovery estimation
  - ROI related figures calculation

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**research and development**

Fincantieri continuously invests heavily in Research and Development.

Fincantieri turbines successfully combine impulse technology with the hybrid-reaction flow path concept. This combination provides very high performance, sustained efficiency over time, and high reliability.

Recent achievements:
- On board dedicated products
- Advanced materials
- High efficiency steam path

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**fincantieri HRS plus**

- Compact Design
- Small and Light
- Suitable for on board steam purity
- High resistant materials against erosion/corrosion
- Efficient and reliable
- Fully automatic
- Fast start/stop procedure
- Reduced life cycle costs