

www.ghinduction.com
info@ghinduction.com



induction solutions

for shipbuilding industry



GH Group companies

Spain (Headquarters)
GH ELECTROTERMIA S.A.
46184 San Antonio de Benagéber
(Valencia) Spain
Tel: +34 961 352 020 Fax: +34 961 352 171
e-mail: info@ghinduction.com
web: www.ghinduction.com

Brazil
GH INDUÇÃO DO BRASIL LTDA.

China
GH INDUCTION SHANGHAI Co., Ltd.

France
GH ELECTROTHERMIE S.A.S.

Germany
GH INDUCTION DEUTSCHLAND

India
GH INDUCTION INDIA Pvt. Ltd.

Mexico
GH MEXICANA S.A. de C.V.

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GHCOM012007.0

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Advantages

Energy efficiency
Localized heat in the area to be heated
Short heating times
Repetitive and controllable process
Clean, fumeless, no contact

Business Benefits

Cost saving
Quality
Production rate increase
Automated, lean process
Safe heating

Typical industrial processes

Forging and Forming
Hardening and Tempering
Pipe Welding
Annealing and Normalising
Shrink fitting
Brazing
Polymerisation Bonding
Pre- and Post-Heating

Application examples in shipbuilding



Deck and Bulkhead straightening



Forging



Parts heat treatment



Rotor shrink fitting



Short circuit ring brazing

Shipbuilding

- Deck and bulkhead straightening
- Pipe annealing
- Brazing
- Pre- and Post-Heating

Repair and Maintenance

- Localized metal heating: Spot heating, brazing, stress relief, bolt expansion
- Paint removal
- Other applications

Propulsion systems

- Engine components heat treating
- Turbine blades brazing
- Gears hardening
- Large bearings hardening
- Shafts and gearbox components heat treating
- Other applications

References

Siemens · SKF · Rothe Erde · Metalships & Docks · Vicinay · DCNS · Volvo Penta · Scania · Arcelor Mittal