



CMI ENERGY

# HRSG Aftersales Services



Your Partner  
all over  
the World



## A team of experts at your aftersales service!

CMI Energy offers a wide range of technical services and advices to modernize, repair or overhaul boilers of all power ratings and from all HRSG manufacturers.

### TECHNICAL EXPERTISE

- Boiler Inspections allow the best diagnosis and draw up the most adequate action plan.
- HRSG Dry Ice Cleaning by CO<sub>2</sub> helps improve efficiency of your equipment and avoid any risk of corrosion or tube damage.
- Remaining Life Time Assessment (RLTA): operation parameter analyzes, replica, inspections, calculations diagnostics and evolutions
- Boiler Stress Evaluator: HRSG on line monitoring and life time follow-up. This support ensures a reliable statement and allows to provide a customized action plan.
- Qualified Supervision to follow implementation of repair work or turnkey basis solution.
- Trainings (maintenance and inspections, process, water chemistry, long term revampings).

### REVAMPINGS AND REPAIRS

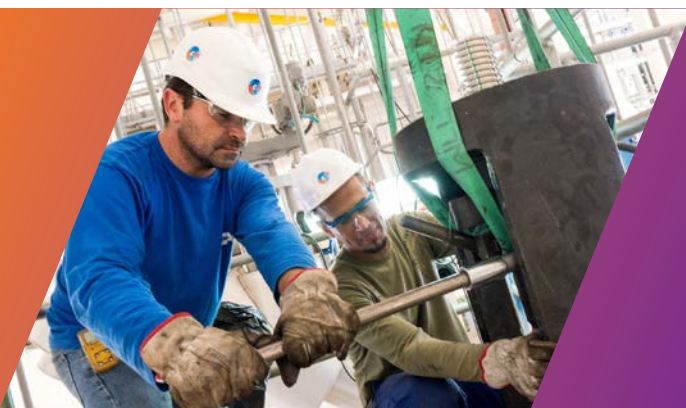
- Re-engineering of old designs from any HRSG brand. For example, new duct and re-engineering of the insulation concept, expansion joint, diverter, diffuser with Computer Flow Dynamics (CFD), burner upgrades. CMI also proposes equipment fabrication and assembly.
- Pressure Parts Improvements for pressure parts recurrent failures occurring on HRSGs that were not fabricated by CMI. Performance upgrades.
- Engineering and installation of specific equipment on HRSGs in operation, e.g. adding an SCR, burners, a lift, sootblowers...

### ENGINEERING

- Calculation of new boiler performance with Gas Turbine Upgrades, Process Modifications, Thermal Performance Calculations, Customized Services for Feasibility Study...
- Seismic calculations and support for analyses
- Piping Stress and Flexibility Calculations

### SPARE PARTS

- Supply of Original Spare Parts
- Recommendations for Strategic Storage
- Customized Solutions for replacing parts if necessary





**CMI ENERGY**

## HRSG Aftersales Services

CMI was founded in 1817 by John Cockerill, real industrial genius who established his activities in Seraing (Belgium) at the current CMI headquarter.

For 200 years CMI has been specializing in steam generation.

For 50 years, CMI Energy has been a global leader in the design, supply, assembly, commissioning and aftersales services of Heat Recovery Steam Generators (HRSGs) for combined cycle power plants, for cogeneration, integrated solar combined cycles and industrial applications. Over 700 CMI HRSGs are installed worldwide behind gas turbines of all brands and power ratings.

CMI Energy high qualified teams provide you technical advice and re-engineer your boilers of all brands and power ratings. CMI offers wide-ranging aftersales solutions and technical support, superior engineered equipment and dependable replacement parts.

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**Cockerill Maintenance & Ingénierie**