

O&M consulting on cost and energy efficiency

Your key concerns

The landscape of conventional power and heat generation is changing rapidly. To stay competitive in today's market, assets face two main challenges:

- Operation and maintenance (O&M) costs must be reduced while still meeting the asset's specific risk profile and operating constraints.
- Operational flexibility is now key to capture market value.

Our solution

- "Key for CliCC" (Key factors For Cycling CCGT) : a dedicated assessment method enabling, among other things, faster boiler start-up without jeopardising pressure part lifetime. This cycling cost analysis methodology has three main focal areas (boiler design, boiler degradation mechanisms and operating processes), geared to the key factors impacting the lifetime of field mechanical equipment.
- Quick scan of the steam cycle energy efficiency (actual vs design).
- Efficiency improvement proposals (feasibility and basic design).

Benefits for your business

- Improve efficiency at nominal and/or part load
- Increase flexibility



As part of ENGIE, one of the largest power generation companies worldwide, EMS has built up extensive know-how over many decades in operation and maintenance solutions, enabling us to improve the profitability of your power and heat generation assets.

Our customer references

Voghera Power Plant (Italy)

Context: Improvement of the HRSG start-up sequence to reduce startup time.

EMS solution: Key for CliCC assessment. Implementation of a new start-up logic based on existing instrumentation.

Benefits: Start-up time reduced by 30% and significant reduction in gas consumption.

Covestro

Context: End of long-term contract / New steam needs / Firing a new fuel in post-firing / Existing equipment.

EMS solution: Key for CliCC assessment. Integration of new combustor in parallel to the existing HRSG / Use of hot water instead of steam for de-aeration.

Benefits: Overall efficiency improvement of the complete steam cycle / Fuel flexibility / Limited investment due to re-use of existing equipment by retrofit.

20
dedicated experts

over
100
power plants

More than 60 years' experience to help you face your challenges!



For more information
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