

Asset Management of Steam Cycle Equipment

Your key concerns:

In the current heat and power generation market, keeping units competitive and reliable now entails the difficult task of balancing appropriate costs against risks/opportunities throughout the decision-making process.

Our solution:

A well-balanced operations and maintenance approach for your steam cycle equipment (boilers, major pumps and fans, high energy piping, complex valves) involving:

- setup/optimisation of long-term maintenance and inspection plan;
- challenging of OEM's maintenance plans;
- detailed lifetime assessment;
- tailor-made solutions for increasing flexibility and/or performance;
- risk and performance assessment (detailed or quick scan);
- optimisation of life-cycle costs (e.g. stretching of overhaul interval);
- development/adaptation of spare parts strategy.

Benefits for your business

- Safely increase the useful life of your assets
- Avoid and reduce operational costs



Asset Management of Steam Cycle Equipment

Our added-value



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

Our customer reference

Takoradi Power Station (Ghana)

Context: Lifetime assessment of HRSG components at transition from baseload to cycling operations.

EMS solution: Analysis of historical information and NDT results, integrity assessment and remaining lifetime calculation of critical components, setup of long-term boiler inspection plan.

Benefits: Best possible follow-up of HRSG pressure parts over the entire lifetime of the plant, enabling safe and reliable operations at cost-effective O&M costs.

Drogenbos Power Plant (Belgium)

Context: Difficult market conditions for CCGT in Belgium, strong need for transition to cycling regime and even dry running mode.

EMS solution: Assessment of key factors for cycling regime, resulting in an overview of associated risks and possible mitigation measures. In a second phase: an assessment allowing the CCGT to be safely operated in dry running mode and without jeopardising potential switchback to CCGT mode.

Benefits: Plant management was able to give a future to an existing plant in a challenging market environment. After a few years, due to more favourable market conditions, the plant will now be restored to CCGT mode.

20
dedicated experts

over
100
power plants

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



For more information
Contact our cooperation team
email at ems.services@engie.com
engie.com