

Powertrain O&M Consulting

Your key concerns

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

- Operations 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 capturing market value.

Our solution

- **Root cause analysis** of machine and component failures to restore equipment reliability.
- **In-the-field fact-finding** (including borescope inspections) during the outage or incident recovery stage to give you an independent machine condition assessment and help you to define the best repair or replacement strategies.
- **On and/or off-site support** during outages to help you address non-conformities.
- **Definition of long-term maintenance and parts strategy.**
- Equipment and component condition and lifetime assessments.
- Solutions for improving equipment flexibility and performance.
- Tailored classroom and/or in-the-field training programmes.

Benefits of your partnership with us

- Improve performance
- Reduce costs



As part of ENGIE, one of the largest power producers worldwide, EMS has built up extensive know-how over many decades in maintaining powertrain equipment (gas turbines, steam turbines and generators) and improving their performance.

Our customer references

Rosen Power Plant (Italy)

Context: AE94.2 gas turbine (repair of combustion chamber)

EMS solution: Condition assessments, handling of non-conformities & deployment of an effective repair strategy

Benefits: Additional costs and major operational risks avoided

Baymina Power Plant (Turkey)

Context: Liberalisation of the electricity market in Turkey

EMS solution: Tailor-made peer review study to increase flexibility & reliability (close collaboration with other ENGIE entities)

Benefits: Identification of leads, action points & the best practice solutions to make the plant ready for flexible operation

40
field service specialists

12
dedicated engineers

more than
500
outages performed

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