

Technologies of the Different Parts of a Gas and Fuel Combined Cycle

TRAINING OBJECTIVE

Know how to operate a combined cycle thanks to a comprehensive understanding of

- the technologies of the different parts of the machine
- the monitoring of process parameters
- the safety of the operation

PEDAGOGY

- Theoretical and practical training on the clients' installations
- Use of videos and industrial examples
- Individual testing of knowledge at the end of the course

Length of the course: 5 days

TRAINING PROGRAM

- The suction box (air filters, anti-icing, fogging, bleed heating, security clappets, etc.)
- Air filters (characteristics, mesh, monitoring, cleaning, etc.)
- The IGV (operation, maintenance, specifications, etc.)
- The compressor (lubrication, anti-surge valves, cooling, etc.)
- The combustion chamber (different types of combustion chamber and burners, environmental, etc.)
- The expansion turbine (lubrication, bearing, cooling, etc.)
- The recovery boiler (different types, post-combustion, economizer, drum, spray, heaters, reheaters, desuperheater, vents and drains, security organs, etc.)
- The steam turbine (inlet valves, different body, sealing, lubrication, turning gear, control and security of oil, clutch, condenser, cooling system etc.)
- The alternator (rotor, stator, excitation, lubrication, sealing circuit, cooling, etc.)
- The transformer (cooling, security organs, etc.)
- the electrical supply (main supply, secondary and emergency, emergency diesel, breaker, switchgear, etc.)