AE94.3A
the perfect solution for peak plants
The latest developments in the EU energy market point to gas-fired plants as long-term partners for renewables, when used for extended periods, because they are essential for reliable grid balancing.

In this evolving scenario, the AE94.3A claims a key role as the best option for peaking producers. Due to its open cycle fast start and rapid load change capability (up to 45 MW/min), its contribution to grid frequency regulation is practically immediate, which is important for grid stability, given the volatile supply of unpredictable renewables.

Its light rotor and radial clearance gap optimization during transient phases result in balanced thermal distribution throughout the entire engine. When combined with extreme operating simplicity, this gives our gas turbine its high cycling capability.

It can be started and stopped without any time limitation, meaning that it is effectively available as often as the grid requires it.

The simple and robust design of the AE94.3A has made it possible to accommodate continuous upgrades over the years, progressively enhancing performance up to the top of F-class (> 40.3% GT efficiency) while maintaining and even improving the level of reliability (> 99.5%), thanks also to the large number of operating hours accumulated by the fleet (> 4 Millions EOH) and feedback from the field.

With its extended time between major overhauls (up to 5 years, depending on operating conditions), the durability of hot gas path parts and quick on-site activities, the AE94.3A has a beneficial effect on operating and maintenance costs too and it offers the most profitable solutions for peak plants.