



PRESS RELEASE

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Gas Power Plant Manufacturers Present H2-Readiness Concept

Gas power plants are prepared for a climate-neutral future: “H2-Readiness” indicates that investments in this technology are future-proof. EUGINE and EUTurbines, the gas power plant technology providers, introduce their common understanding of H2-Ready engine and turbine-based power plants.

The common definition helps to categorise new power plants by defining classes for different hydrogen shares as well as the technical adaptations and related investments needed to switch from natural gas to hydrogen operation. This common initiative will help utilities, investors and public authorities take informed and fact-based decisions when investing in gas power plants.

“With this common definition we create transparency and provide guidance during the transition of our energy system. Thanks to its high level of fuel flexibility, our technology can be used with natural gas as long as needed and then switch to renewable gases. Hydrogen-Ready engines and turbines are not a pipe-dream but already a reality” commented Hermann Kröger, President of EUGINE and Senior Vice President at MAN Energy Solutions.

Thomas Thiemann, President of EUTurbines and Senior Vice President Energy Transition Technologies at Siemens Energy said: “Over the next decade, Europe will need large investments in reliable power generation to complement variable renewable power. With H2-Ready gas power plants, customers and policymakers are reassured that these investments are future-proof and fit our climate ambitions. Our common definition enables this”.

The “H2-Readiness” definitions of EUGINE and EUTurbines identify readiness-categories for “pure” hydrogen as well as blending shares of 10% and 25%. For each hydrogen share, three sub-categories help classify new plants depending on the technical adaptations needed to switch to the desired hydrogen level in the future. Thus, an A1 level plant will be able to operate at 100% hydrogen without any substantial modifications, while an A2 plant will need some minor upgrades to run on pure hydrogen once it becomes available.

- [EUGINE H2-Ready Definition](#)
- [EUTurbines H2-Ready Definition](#)

Note for the editor:



EUGINE is the voice of Europe’s engine power plant industry. Our members are the leading European manufacturers of engine power plants and their key components. Engine power plants are a flexible, efficient, reliable and sustainable technology, helping to ensure security of electricity supply and providing (renewable) electricity and heat. For more information, please see www.eugine.eu.



EUTurbines is the only association of European gas and steam turbine manufacturers. Its members are Ansaldo Energia, Baker Hughes, Doosan Skoda Power, GE Power, MAN Energy Solutions, Mitsubishi Power Europe, Siemens Energy and Solar Turbines. EUTurbines advocates an economic and legislative environment for European turbine manufacturers to develop and grow R&I and manufacturing in Europe and promotes the role of turbine-based power generation in a sustainable, decarbonised European and global energy mix. For more information, please see www.euturbines.eu.

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