PRESS RELEASE

The AB Group and Turboden S.p.A. sign a strategic agreement aimed at improving energy efficiency and decarbonising industrial cogeneration plants

Brescia, *April 9, 2026* – Gruppo AB and Turboden S.p.A. announce the signing of a strategic commercial partnership agreement aimed at developing and promoting innovative energy efficiency solutions, with a focus on the Italian market.

The agreement, signed in recent days, combines the expertise of AB — an Italian multinational operating in the energy sustainability sector, specialising in the design, manufacture and sales of energy efficiency solutions, from cogeneration to biogas and biomethane — with Turboden technological expertise in turbomachinery, applied to the development of MVR (Mechanical Vapour Recompression) systems for thermal efficiency.

The agreement includes the supply of AB cogeneration plants integrated with Turboden MVR systems to new customers, as well as the implementation of energy efficiency upgrades on existing industrial plants.

The developed solution enables further valorisation of the heat generated by cogeneration engines, whether in the form of exhaust gases or cooling water (jacket water), by converting it into steam that can be used in industrial processes.
Thanks to integration with MVR systems, steam production can exceed 5 tons per hour per single cogeneration unit, depending on the plant configuration.

The integration of MVR systems makes it possible to increase the quantity of steam produced and improve its operating conditions, **enabling pressures above 10 bar(a)** and meeting higher thermal demands than those covered by traditional cogeneration systems alone.
The solutions developed can be applied both to existing plants — through retrofit works aimed at increasing their efficiency — and to new plants designed with an integrated approach from the initial phase.

This approach not only increases overall energy efficiency, but, above all, enhances the availability of steam for industrial processes, a factor that is often critical in energy-intensive sectors.

AB, leveraging a broad installed base in the industrial and agricultural sectors, had identified the need to further improve the energy performance of its plants by optimising the use of the heat generated and offering end customers increasingly advanced solutions. In this context, Turboden has contributed its expertise in adapting and integrating MVR technologies, providing flexible, modular and easily replicable solutions.

Key benefits include: a significant reduction in CO_2 emissions, increased energy efficiency through heat recovery, lower operating costs, and better alignment with sustainability targets and decarbonisation regulations. **In particular, given that the steam generated via MVR replaces that produced by gas-fired boilers, over 5,000 tonnes of CO_2 per year can be avoided per plant**, depending on operating conditions.

The solutions developed as part of the collaboration are designed to be flexible, scalable and adaptable to different types of plants, with particular reference to industrial processes requiring steam.

“This collaboration with Turboden represents a further step in the evolution of our solutions, integrating complementary technologies to improve the energy efficiency of industrial cogeneration plants and reduce greenhouse gas emissions,” commented **Enrico Calzavacca, Deputy General Manager and Chief Technology Innovation Officer at AB**. “The synergy between two Brescia-based companies with a strong international presence demonstrates how it is possible to develop practical technologies for decarbonisation, minimising primary energy consumption and responding to an ever-growing demand for sustainable solutions, particularly in energy-intensive sectors where reducing fossil gas consumption is challenging.”

“The agreement with AB stems from a strong shared vision, combining a deep-rooted presence in the local community with a concrete commitment to decarbonisation and energy efficiency,” commented **Paolo Bertuzzi, CEO & Managing Director of Turboden**. “The synergy between cogeneration and vapour recompression systems enables us to develop and offer integrated solutions for heat electrification, increasing the availability of useful thermal energy and sustainably optimising the energy requirements — both electrical and thermal — of industrial customers.”

This initiative represents a concrete example of how existing technologies can be integrated in innovative ways to generate new value, whilst strengthening the role of Italian companies in developing sustainable solutions and providing a replicable model for the domestic market.

For further information:
AB - Andrea Cucchetti, +39 349 5554664 acucchetti@consiliumcom.it
Turboden - Alessandra Costa alessandra.costa@turboden.it

AB
There are many ways of doing things. AB aims to be the best way of doing them in the world of energy and sustainability. Developing innovation for the energy sector has always been our focus. This is why AB’s leadership in the cogeneration sector has expanded to include biofuels, with systems for the purification and liquefaction of biomethane and CO_2, the treatment of atmospheric emissions, and photovoltaics. Since 1981, we have been supporting companies seeking to enhance their competitiveness by saving energy and reducing emissions into the environment. Expertise, production capacity and high-quality service, with the aim of providing our customers with the best energy sustainability solutions. The Group now has over 1,500 employees with a direct presence in 22 countries across Europe, North and South America, Asia and Australia. A ‘Made in Italy’ company whose main production and engineering activities are concentrated in the modern industrial hub of Orzinuovi (BS, Italy). Our daily commitment is to be the ‘Better way’ for our customers. Because improving the way they produce and work is our way of contributing to building a better world. www.gruppoab.com

Turboden
Founded in 1980, Turboden S.p.A. is an Italian company and part of the Mitsubishi Heavy Industries Group, operating globally in the development of technological solutions for electricity generation and heat electrification, designed for both industry and utilities. Internationally recognised, Turboden specialises in the design, manufacture and maintenance of proprietary turbomachinery, including organic Rankine cycle (ORC) systems, gas expanders, high-temperature heat pumps and mechanical vapour recompression (MVR) systems. Today, Turboden positions itself as a solid and reliable technology partner, capable of managing the entire project lifecycle. Its solutions make a tangible contribution to decarbonisation and improved energy efficiency, both in district heating networks and in energy-intensive industrial processes, on a global scale. www.turboden.com