

## IBT Group

### To launch in Italy the new Capstone turbine C1000S signature series

IBT Group will distribute in Italy the latest innovation by Capstone Turbine Corporation, the world's leading clean technology manufacturer of microturbine energy systems, that has recently unveiled its Capstone C1000S microturbine, as part of the company's new Signature series microturbine energy systems. The one-megawatt C1000S microturbine incorporates numerous system and design upgrades intended to improve overall product quality and enhance the microturbine ownership experience in all applications but specifically for CHP and CCHP applications.

Capstone's next-generation C1000S microturbine features the same proven technology found in the original C1000 microturbine, such as advanced combustion controls, engine redundancy and remote monitoring. Besides these characteristics the new model shows an improved reliability, being able to guarantee operational excellence and low life cycle costs for up to nine years. The updates and changes implemented into the Signature series are meant to solidify the C1000S product as the smartest one-megawatt turbine energy system on the global distributed generation market.

The key upgrades include:

- *Two-Stage Air Filtration System:* The first stage offers coarse particulate filtration without the need to open the enclosure door to perform filter inspection and service without shutting down the unit thus increasing overall system uptime and customer profitability. The internal, second stage offers improved engine filter longevity and pressure drop monitoring to assist with increasing the length between filter service intervals, thus lowering life cycle costs and assisting in the scheduling of service visits.
- *Improved Enclosure:* The strengthened enclosure frame has been modernized and features a smaller acoustics signature for CHP and CCHP installations in sensitive urban environments. In addition, it has increased load carrying capacity for auxiliary equipment. The redesigned, double-walled engine bay doors are sturdier and easier to seal.
- *Relocated Engine Exhaust Stack:* The combustion exhaust ports have been relocated to the roof of the enclosure to mirror the design of Capstone's C65 and C200 microturbine systems. This allows for ease of installation and integration of a heat recovery module for CHP and CCHP applications.
- *Redesigned Discharge for Enclosure Cooling Air:* The enclosure incorporates a new rear louver design allowing package cooling air to discharge without the need for a rain hood. This updated approach further reduces the already small installed footprint of the enclosure, which is critical in building retrofits without compromising rain protection.

**For further info:** Lavinia Colonna Preti, IBT Group Press Office, M. +39 345 4877947, [lavinia.colonnapreti@ibtgroup.at](mailto:lavinia.colonnapreti@ibtgroup.at)