

Azelio publishes white paper on TES.POD with Combined Heat & Power (CHP) production

The long-duration energy storage system that Azelio has developed for electricity production on demand also features heat production. This is commonly known as Combined Heat and Power, or CHP. The residual heat from the system, when the TES.POD is in operation for electricity generation, can be available as usable heat.

Residual heat from the system is available at temperatures up to 60°C. This low-temperature heat can be utilised in many customer applications such as in agriculture, communities, and industries. In CHP mode, one TES.POD unit produces around 11 kW electricity and 25 kW thermal energy throughout the 13 hours discharge cycle.

The first commercial TES.POD with CHP was installed and operated at Haneberg farm, located in eastern Sweden, and was established as a research project together with the Swedish Energy Agency. The CHP proof-of-concept aimed to replace part of the fossil fuel consumed, during the process of drying grain, with clean residual heat from the TES.POD. Azelio's CHP system reduced the required temperature rise in the fossil fired heater by preheating the air, while also providing electricity to the farm.

The white paper provides a description of, and outlines, the system and its economic benefits to the cost of energy.

Azelio white papers can be found here: <https://www.azelio.com/white-papers/>

For more information, please contact:

Torbjörn Lindquist, CTO

Email: torbjorn.lindquist@azelio.com

Phone: +46 703 63 23 60



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About Azelio

Azelio specializes in energy storage with electricity and heat production. The technology is revolutionary in that renewable energy becomes dispatchable, making clean energy available around-the-clock. The energy is stored in recycled aluminium and converted into electricity and heat with a total efficiency of up to 90%. The solution is scalable, sustainable, and cost-efficient from 0.1 MW up to 20 MW. Azelio is headquartered in Gothenburg, Sweden. Production takes place in Uddevalla and the Company maintains development centers in Gothenburg and Åmål, has a presence in Stockholm, as well as Regional Directors for Australia, US, southern Africa and the MENA region. Azelio is listed on Nasdaq Stockholm First North Growth Market with FNCA Sweden AB as Certified Adviser: More about Azelio: www.azelio.com

Attachments

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[Azelio Whitepaper TESPOD With CHP Production](#)