

# AZELIO ENERGY STORAGE ARGENTINA

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Does Azelio have a long-duration energy storage system? Image by Azelio. Swedish company Azelio AB (FRA:4AZ) this week said it has started production of its long-duration energy storage system, TES.POD, in volume design. Azelio's thermal energy storage technology stores energy in recycled aluminium and converts it into electricity and heat when needed with the help of a Stirling engine.



What is Azelio's thermal energy storage technology? Azelio's thermal energy storage technology stores energy in recycled aluminium and converts it into electricity and heat when needed with the help of a Stirling engine. The company said production of the novel product will initially be at a slow rate with plans for scaling up in 2022.



How long does Azelio's energy storage system last? Azelio claims the technology can enable 13 hours duration of electricity storage as well as provide heat on demand, is effective in hot or cold climates and has an expected system lifetime of 30 years.



Why did Texel acquire Azelio? In addition to the Stirling engine technology, TEXEL has also acquired the full developed thermal energy storage technology from Azelio, broadening the company's technological portfolio. Azelio has been investing approximately \$400 million in R&D over the years, and this acquisition adds value to TEXEL's research and development assets.



What makes Azelio unique? By an innovative storage design and a well-established power production technology, Azelio is a part of changing the future of renewable energy.

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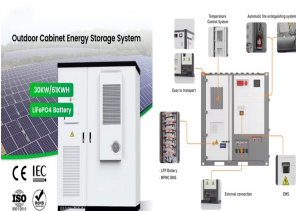
What is Azelio doing in Morocco? Azelio has signed a number of Memorandum of Understanding (MoU) documents with partners in countries Mexico and commissioned its first grid-scale system in Morocco late last year in partnership with the Moroccan Agency for Sustainable Energy (MASEN).



STOCKHOLM, Sept. 22, 2021 /PRNewswire/ -- Production in volume design of Azelio's long-duration energy storage TES.POD has started according to plan. To ensure high quality in both the product and



For the project a conditional order has been placed for 20 of Azelio's TES.POD energy storage units, subject to the conditions of an ongoing techno-economic feasibility study for the specific project. Based on an agreed commercial setup and obtained permits, Engazaat and Azelio will establish a joint project company to finance and carry out



W?rtsil? said in a press release sent to Energy-Storage.news that in addition to EPC duties on Duke's Asheville (8.8MW / 8.8MWh) and Hot Springs (4MW / 4MWh battery with 3MWdc of solar) in North Carolina, as well as the Crane (4.95MW / 4.95MWh) project in Indiana, W?rtsil?'s GEMS advanced energy management platform will be used across Duke's battery ???



Thermal storage startup Azelio files for bankruptcy. Thermal energy storage startup Azelio is filing for bankruptcy at Gothenburg District Court in Sweden. The company has a proprietary technology that stores energy as 600°C heat in a recycled aluminium alloy phase change material (PCM).

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Azelio's Thermal Energy Storage-Power on Demand (TES.POD), produces zero emissions and is already scalable and competitive Abu Dhabi's desert environment provides the project with ideal solar conditions The new technology represents an important part of the renewable transition The project will run at Masdar City, Abu Dhabi's only planned and ???



The initial project is a system of 50 kW with 13 hours of storage, intended to become operational in 2021 in Oman. A preliminary end-user has been identified for the project and has submitted an Expression of Interest (Eoi) for ???



STOCKHOLM, June 21, 2022 /PRNewswire/ --Azelio AB, a Swedish cleantech company, has received its first U.S. order for its long-duration energy storage, the TES.POD, from Handi Stop Market in



About Azelio Azelio specialises in energy storage with electricity and heat production. The technology is revolutionary in that the energy becomes dispatchable, making renewable energy available around the clock. ???



In addition to the Stirling engine technology, TEXEL has also acquired the full developed thermal energy storage technology from Azelio, broadening the company's technological portfolio. Azelio has been investing ???

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Swedish cleantech company Azelio AB is bringing its intriguing long-duration energy storage product, the TES.POD, to the United States for the first time. The project location is a bit unconventional for long-duration storage: the Handi Stop Market in Fresno, Calif., which consists of a gas station, a convenience store and a fast-food outlet.



Azelio's unique energy storage technology stores energy from solar and wind power as heat in recycled aluminium and generates electricity and heat on demand at all hours of the day to a low cost.



EVENT TIP | Energy Storage Summit USA, March 19-20 in Austin, Texas  
 KEY in Rimini, Italy | February 28 - March 1, 2024  
 We're thrilled to have partnered with Energy Storage Summit which takes place on 20 - 21 February in



Azelio and Stena Aluminum are planning to enter into a long-term global collaboration that aims to complete Azelio's energy storage units by filling them with recycled molten aluminum directly at a dedicated production line at Stena Aluminium. The approach is a breakthrough in the industrialization of the product that will result in large energy savings,



Azelio's thermal energy storage technology stores energy in recycled aluminium and converts it into electricity and heat when needed with the help of a Stirling engine. The company said production of the novel product will



Azelio, a Swedish startup that aimed to supply thermal storage technology to long-duration energy storage applications, filed for bankruptcy last month 's the most recent sign that the fledgling long-duration energy storage

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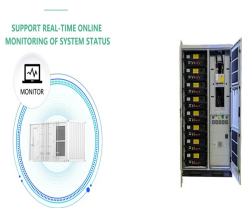
Sweden's Azelio on 20 October announced a memorandum of understanding (MoU) with Morocco-based Jet Energy to develop energy storage in Morocco and elsewhere in Francophone Africa. Jet Energy will use Azelio's energy storage systems at its solar PV plants, with a total capacity of around 45MW to be developed in phases by 2025. The first project ???



Azelio, a Swedish startup that aimed to supply thermal storage technology to long-duration energy storage applications, filed for bankruptcy last month. It's the most recent sign that the fledgling long-duration energy storage ???



Last week saw the arrival of Azelio's TES.POD (R) on site at the MBR Solar Park in Dubai. With preparations underway for the unit's installation (following a 7500-mile journey that began in Uddevalla, Sweden) the project is ???



While the funds raised are relatively modest, the companies, and the wider sector, may well take comfort from the development, especially given the recent demise of fellow thermal storage startup Azelio. Yesterday, Energy-Storage.news reported that Nostromo, another thermal energy storage startup, has been invited into term sheet negotiations



Azelio has received an order for eight units with 1.3 MWh clean electricity supply of its long duration energy storage, TES.POD, from South African-based farming company Wee Bee Ltd. The order has a value of ???

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Azelio and Elum Energy have partnered to deploy a solution to maximize the penetration of renewables and develop efficient control solutions for installations combining solar PV and long-duration energy storage. Bringing together both companies' advanced technologies, the solution sees Elum's monitoring and control working with Azelio's thermal energy storage ???



Azelio's energy storage system is called the TES.POD and offers a thermal energy storage technology that can produce clean electricity and deliver low-temperature heat at any time of the day, in unreliable or off-grid locations ???



Azelio and Stena Aluminum plan to collaborate globally and long-term, filling Azelio's energy storage units with recycled molten aluminum directly from a dedicated production line at Stena Aluminium. This breakthrough approach will industrialize the product and result in significant energy savings, boosting Azelio's energy storage system's climate profile.



The climate impact of electricity supplied from Azelio's energy storage system has in a life cycle analysis been shown to correspond to 23 gCO<sub>2</sub>/kWh, which is significantly lower than lithium-ion batteries and ???



ALEC Energy and Swedish company Azelio have signed a Memorandum of Understanding (MoU) that covers a collaboration on over 49 MW installed capacity of Azelio's thermal energy storage by 2025. The projects are focused to the Middle East and African markets, where Alec Energy aims to expand its business offering as a renewable energy project ???

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Azelio's thermal energy storage unit at a site in Dubai, UAE, has been completed. Image: Azelio / ALEC Energy. Hyme Energy will deploy a 20-hour hydroxide molten salt-based thermal energy storage system in R?nne, Denmark, for 2024 while Azelio has just completed the installation of a unit in Dubai, UAE.



The climate impact of Azelio's energy storage system (TES.POD) is significantly less than that of lithium-ion battery storage and dramatically less than that of diesel generators. This is concluded in a Life Cycle Assessment made by the Swedish research institute RISE to determine Azelio's TES.POD's global CO2-equivalent emission during its entire lifetime.



The joint projects will utilise Azelio's long-duration energy storage solution TES POD, which stores energy in recycled aluminium. The technology will be paired with solar photovoltaic (PV) projects.



This strategically important order is placed on commercial terms, reflecting that it is for a single unit. Azelio's energy storage TES.POD (R) will be part of a system powering a visitor centre at the phase IV of the Mohammed bin Rashid Al Maktoum (MBR) Solar Complex. The system will combine Azelio's technology with photovoltaic and fast-response equipment ???



Swedish startup Azelio will see its long-duration Thermal Energy Storage (TES) technology used at the Mohammed bin Rashid Al Maktoum Solar Complex (MBR) in Dubai, UAE. Recycled aluminium alloy is used as a phase change material to store heat which is then converted to electricity. The company's TES technology stores energy as heat in a [???

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Azelio said it had selected UL as the certifying authority for its long duration energy storage tech, with Azelio looking to work on a specific, unnamed project in California next year. Azelio's long duration technology is already being piloted in regions including the Middle East and central America, where it has signed an MoU with a commercial and industrial (C& I) ???