



# 12 kWh envision aesc energy storage

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Sunderland, 9 December, 2022 – AESC, a world-leading Japanese electric vehicle battery technology company, has celebrated 10 years of electric vehicle battery production in the UK with the start of construction on its latest gigafactory that will employ over 1,000 people.

AESC's second Sunderland battery plant will have capacity of 12 GWh and will employ more than a 1,000 people when operational in 2025. It will be powered by 100% net zero carbon energy, aligning with the company's global commitment to sustainability.

The state of the art facility will produce AESC's latest generation batteries, with 30% more energy density to improve range and efficiency, and manufacture enough batteries to power 100,000 electric vehicles annually.

It forms part of a wider £1bn partnership with Nissan and Sunderland City Council to create EV36Zero, an electric vehicle hub supporting next generation EV production and accelerating the transition to net zero carbon mobility.

A traditional Japanese first pillar ceremony marked the first phase of work, with AESC CEO Shoichi Matsumoto tightening the bolt on the building's "first pillar" a traditional Japanese custom on construction projects. The ceremony also marked a decade of EV battery production on Wearside with the first electric vehicle battery built back in 2012, to support production of the first generation Nissan LEAF.

The company has doubled in size since production began and today employs more than 470 people in Sunderland. Globally AESC batteries are found in 800,000 electric vehicles operating with zero critical incidents.

Construction of the new building on the IAMP business park, which spans land in South Tyneside and Sunderland, is being managed by leading privately-owned UK construction company, Wates Group and will pave the way for potential future investment that could eventually see the site generate 35GWh capacity and 4,500 new high value green jobs.

As the latest investment by AESC to help scale up EV manufacturing capabilities in strategically important regions, the plant follows last year's announcements to build gigafactories in Douai, France, Kentucky US, Ibaraki Japan, and Extremadura Spain. This brings AESC's total capacity to more than 150GWh worldwide and advances its commitment to reach 300GWh by 2026.

AESC is a Japan-headquartered global battery technology company dedicated to the research, development, design, manufacturing, and sale of power batteries for electric vehicles (EVs) and energy storage systems. AESC has over 7,000 employees and 13 manufacturing sites across Japan, the U.S., the U.K., France, Spain,



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and China.

Over the past 13 years, AESC has produced power batteries for more than 950,000 EVs across 59 countries, achieving a flawless record of 'zero critical incidents'; AESC teams strive for continuous improvement and global leadership in product development, quality, and sustainability. In 2022, AESC was again named among 'Global Tier 1 Battery Companies' by Benchmark, a leading UK-based lithium-ion battery supply chain research organization.

Shanghai-headquartered Envision Energy launched its latest grid-scale energy storage system at the third Electrical Energy Storage Alliance (EESA) Energy Storage Exhibition held in China last week. The product's energy density stands at 541 kWh/m<sup>2</sup>, making it the leading one in the industry to date.

The product release follows the launch of the 6.25 MWh energy storage system by CATL in April and several other companies launching 6 MWh+ storage systems packed in a standard 20-foot container, ushering in a new energy density era for the battery energy storage systems.

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