



### *Thailand's ambition: Becoming the ASEAN hub for EV battery production*

Despite a turbulent year from the Covid-19 pandemic, major companies around the world are accelerating the transition to electric mobility by shifting fleets to electric vehicles and installing charging stations. Globally, more than 100 major companies in 80 markets committed to making electric transport the new normal by 2030. This equates to 4.8 million vehicles switched to EVs and chargers installed in 6500 locations by 2030.

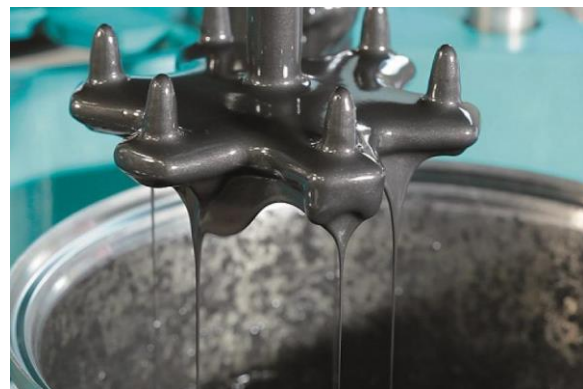
By mid of 2021, the Thai government declared a new target to make Thailand an EV production hub by 2035, five years earlier than previously planned. Furthermore, the government raised the target for the proportion of EVs in domestic automobile production by 2030 from 30% to 50%. The cumulative production target for EVs has been set at 1.051 million units (including cars & pickup trucks, motorcycles, and buses &

trucks) by 2025, 6.224 million units by 2030, and 18.413 million units by 2035. ([BOI](#))

These targets have been set in motion as the Thai government together with Energy Absolute Public Company Limited had their grand opening of their first Gigafactory in December 2021, a modern lithium-ion battery factory and an integrated energy storage system. Despite of the first phase, it has the largest production capacity in ASEAN, starting full commercial production and stands the first battery factory with a capacity of up to 1 GWh per year. This supports EA to be the largest battery innovation leader in Thailand and ASEAN that can produce lithium-ion batteries and backup power systems in every process pushing Thailand to become a manufacturing hub of electric vehicle production and the power storage industry at the regional level.

### *AZO's strength in this industry*

There are certain high standards which cannot be overlooked in the production of lithium-ion batteries: operational safety in handling carcinogenic raw materials, maintaining the optimum system environment for sensitive components, and accurate weighing precisions.



Not only do we need to protect the operators from the raw materials used in battery production, the raw materials itself, some of which are sensitive to moisture or oxygen, is almost always an issue and needs thorough attention when designing the system. AZO takes this into account with a special design in overlaying the handling process with inert gas or dry air.

Another aspect is the cleanliness within the workplace for the avoidance of cross-contamination. Here too, AZO has solutions that caters product changes within a dosing line with relatively little cleaning effort and thus increasing the flexibility of the system.



Talking about precise weighments, we cannot forget our AZODOS loss-in-weight dosing system, designed for constant & reliable metering of raw materials and an essential part of the process working in harmony with the mixing system.

If you are looking for a partner in raw material automation for battery production, you came to the right place at AZO.

About AZO Ltd.

AZO Ltd. provides innovative bulk material and raw material handling solutions for the reliable automation of ingredient handling in the food, pharmaceutical, chemical and plastic industry in Southeast Asia, Australia and New Zealand.

For more information about AZO's solutions for the plastic industry, check out our website or sign up to AZO's newsletter. We are looking forward to planning your next ingredient handling automation steps together with you!

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