

Sustainability

Singapore Launches Largest Energy Storage System in Southeast Asia

On 2 February 2023, Sembcorp Industries ("**Sembcorp**") and the Energy Market Authority ("**EMA**") announced in a joint media release the opening of Sembcorp Energy Storage System ("**ESS**"), which is the largest ESS in Southeast Asia. The utility-scale ESS was commissioned in six months and commenced operations in December 2022.

The utility-scale ESS is reported to be the fastest in the world of its size to be deployed. The utility-scale ESS helps to support the active management of electricity supply and improves the stability of Singapore's power grid. It represents a significant milestone in Singapore's transition to cleaner energy sources.

The utility-scale ESS has a maximum storage capacity of 285 megawatt hour (MWh), and in a single discharge is able to fulfil the electricity demands of around 24,000 four-room HDB households for a day. Among its many features, the integrated system uses fast response lithium iron phosphate batteries to maximise energy storage and maintain grid reliability. For more details of the technological features, please refer to Annex A of the media release (link provided below).

To encourage ESS adoption in Singapore, EMA has introduced various initiatives. For instance, the Accelerating Energy Storage for Singapore ("**ACCESS**") programme promotes use cases and business models with industry partners and other government agencies. The programme also helps to secure space, match demands and solutions, and facilitate regulatory approvals for ESS deployment. Please click [here](#) for more information on the ACCESS programme.

Rajah & Tann was involved in the project from the onset, having negotiated and finalised the engineering, procurement and construction contract for the ESS.

Click on the following link for more information:

- [EMA Media Release titled "Southeast Asia's largest energy storage system officially opens"](#) (available on the EMA website at www.ema.gov.sg)

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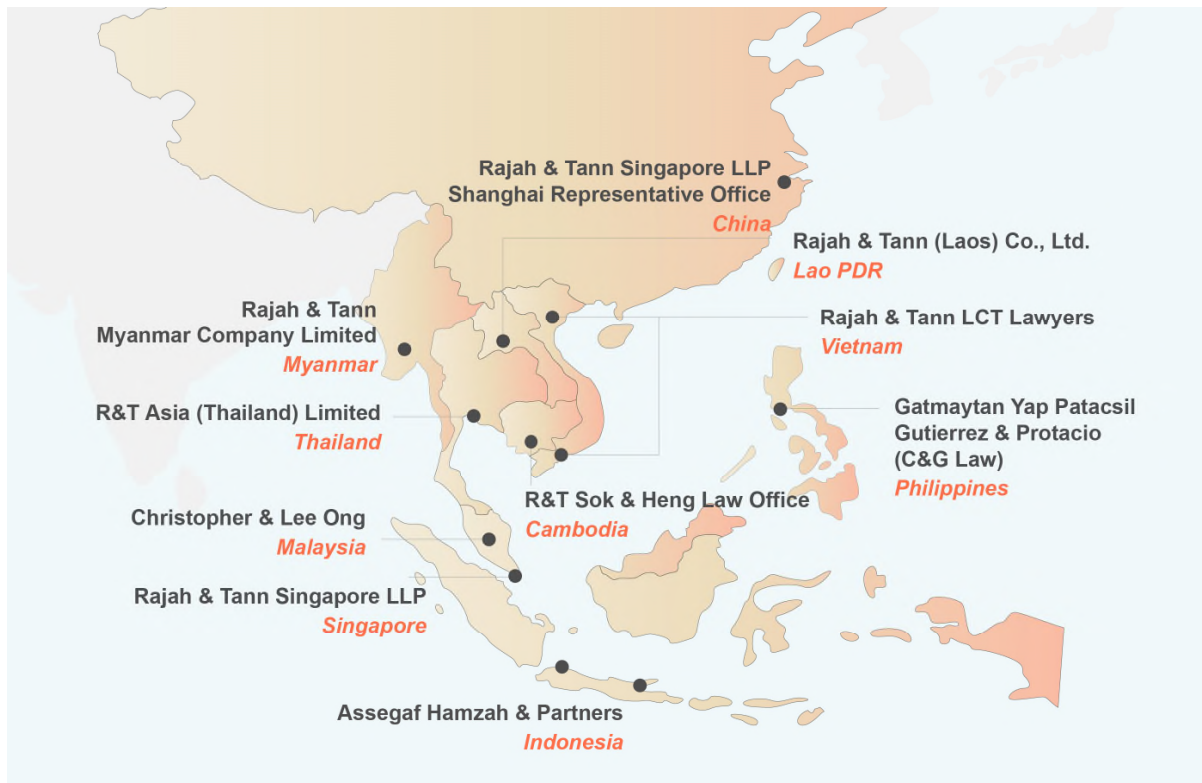
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