



## **EGAT signs agreement with Enapter to advance hydrogen production in Thailand**

August 11, 2019

Chiang Mai/Bangkok. The Electricity Generating Authority of Thailand (EGAT) signed a cooperation agreement with electrolyser manufacturer Enapter on August 11, 2019.

“We have been tracking the technological advances showcased in Chiang Mai and spearheaded by Enapter and are intrigued by their modular and flexible technology to produce green hydrogen without carbon emissions”, said Deputy Governor Patana Sangsrirojana of EGAT during the signing ceremony at the Phi Suea House, “Together we will establish a Green Mini-Grid Sandbox Project at EGAT. We then aim to deploy the technology in Thailand and potentially beyond”.

Sebastian-Justus Schmidt, the founder of the Phi Suea House and Chairman of Enapter stated: “Green hydrogen has the potential to replace fossil fuel completely. We have been demonstrating this successfully with the Phi Suea House, now it is time to scale AEM electrolyser production. We are thrilled about the partnership with the largest power producer in Thailand”.

EGAT and the partners are taking action to deploy green hydrogen gas as a carbon-free energy carrier in Thailand. Green hydrogen is a gas that is produced solely from renewable energy and water emitting zero carbon emissions. Mini-Grids are autonomous power systems that operate independently of the central electrical grid infrastructure. They are important solutions for rural electrification and in areas where the central grid infrastructure is difficult to reach.

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### **The Electricity Generating Authority of Thailand (EGAT)**

is a state enterprise under the Ministry of Energy responsible for electric power generation and transmission as well as bulk electric energy sales in Thailand, established on 1 May 1969. EGAT is the largest power utility in Thailand, owning and operating power plants at 45 sites across the country with a total installed capacity of 15,548 MW.

<http://www.egat.co.th/en/>



**Enapter**



### **Enapter**

is a Thai-German-Italian start-up that manufactures highly efficient, modular hydrogen generators using a patented Anion Exchange Membrane (AEM) electrolysis. Its core technology has a 10-year proven track record. The electrolyser is modular and stackable to reach any hydrogen flowrate required and easy to integrate with the Enapter Energy Management System.

<https://www.enapter.com>

### **The Phi Suea House**

is the first multi-housing compound in the world using hydrogen as energy storage. Since the beginning of 2015 Phi Suea House on Chiang Mai, Northern Thailand, proves to the world that sunshine and rainwater are enough to power several buildings in a fully autonomous mini- grid setup.

[www.phisueahouse.com](http://www.phisueahouse.com)

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**Enapter**