

Liquid Air Solid Results

Early operation of LAES in Japan
SEH – Hatsukaichi

TMCES – Thermal-Mechanical-Chemical Energy Storage Workshop

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20+
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Energy Storage
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5 values of SFW
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Safety, integrity and teamwork

Worldwide footprint, local connections

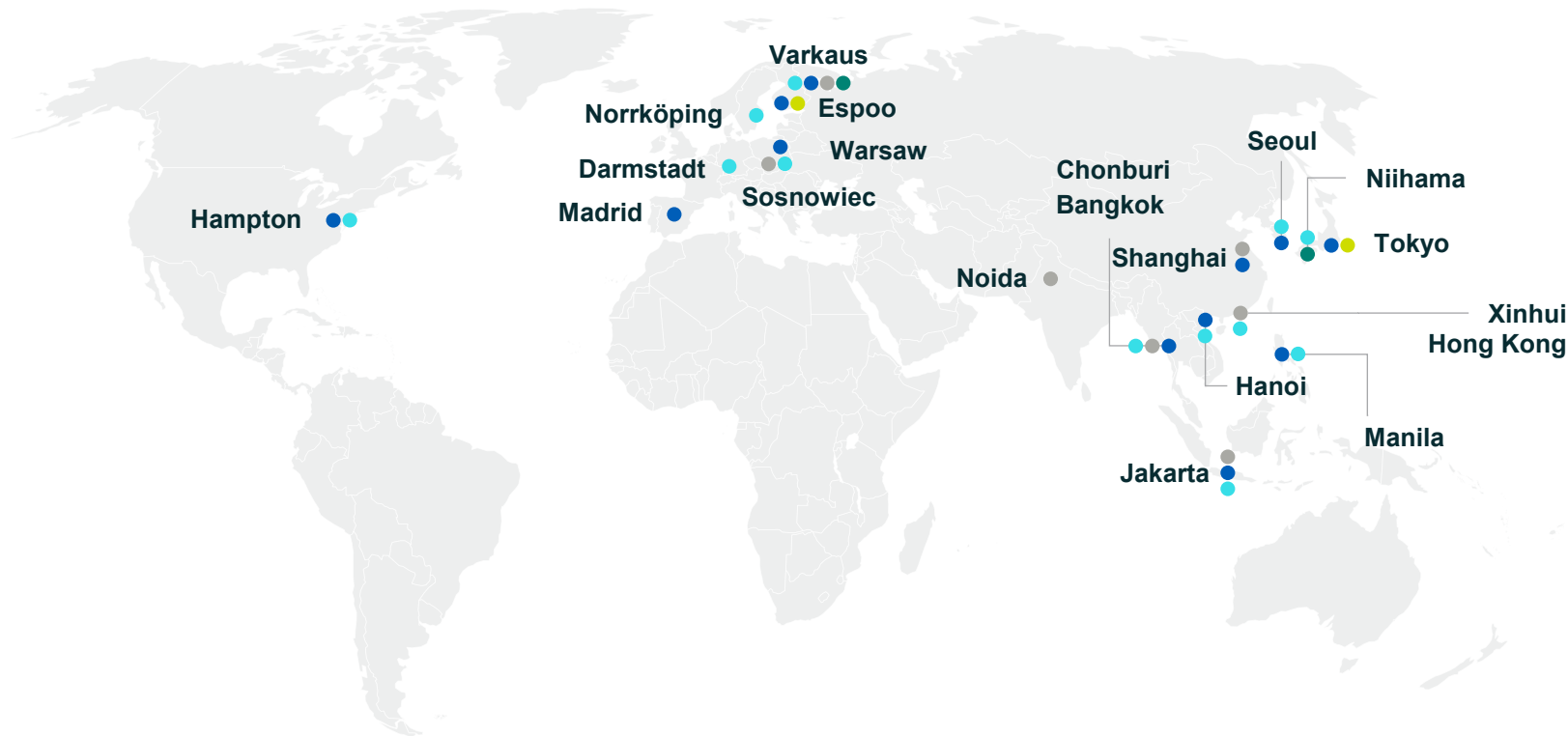
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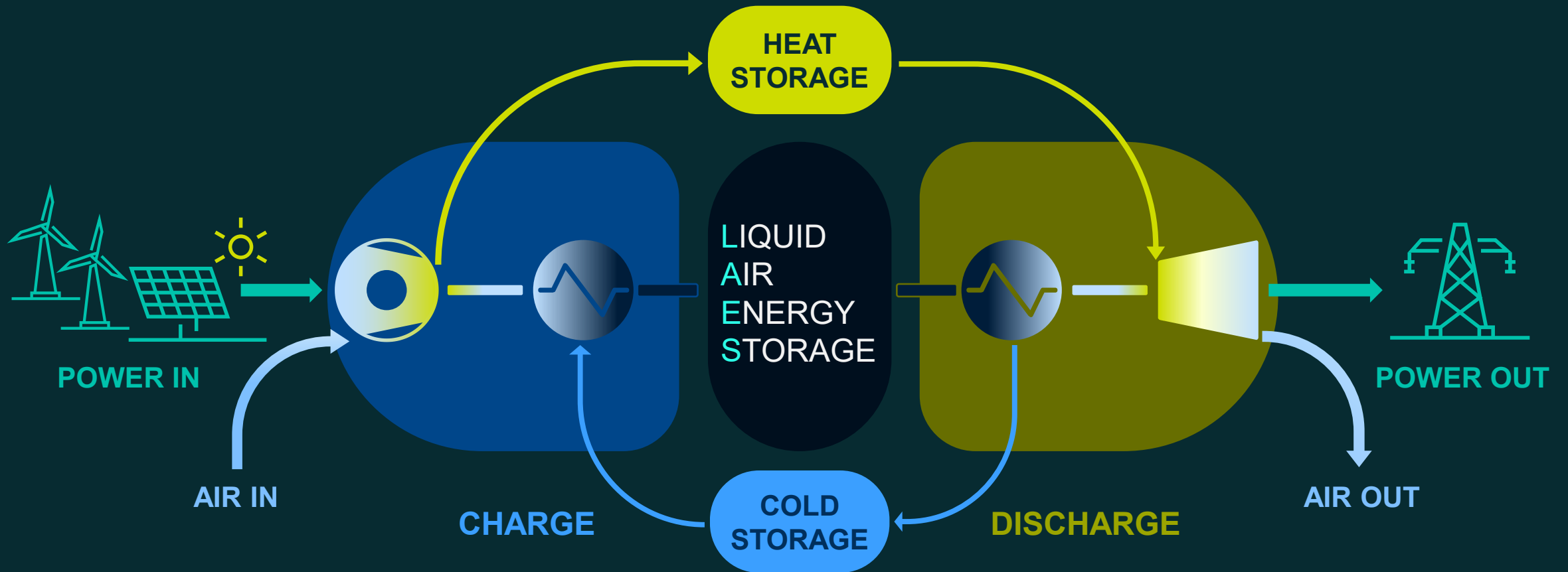


LAES

Liquid
air
energy
storage

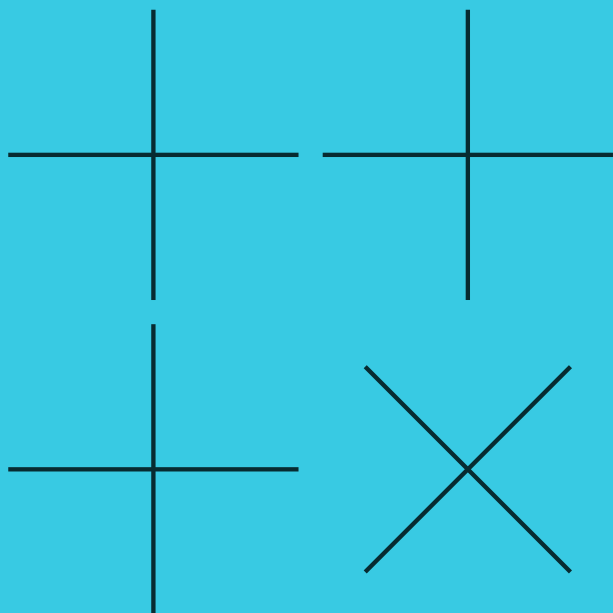
Process overview

LAES



SEH

Hatsukaichi
commercial
demonstration
plant in
Japan



Location



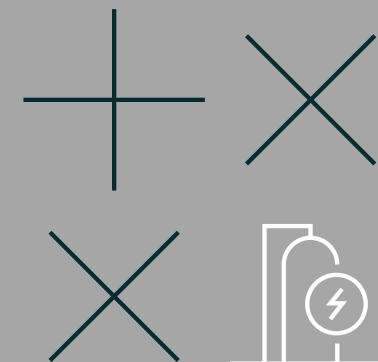
Hatsukaichi city
Hiroshima prefecture
Japan

Near
Itsukushima Shrine
world heritage site

SEH

SHI Energy Storage Hatsukaichi

Start of Operation: 12/2025
Capacity: 5 MWe x 4 hours



Major Milestones

SEH LAES

10/2023

Start of civil works on site in Hiroshima Prefecture, Japan
Implemented in collaboration with Hiroshima Gas Co., Ltd.



09/2024

Tank erection on site.

Afterwards, assembly of all smaller equipment, piping, cabling, auxiliaries, etc. around main equipment



07/2024

Main rotating equipment delivery



09/2025

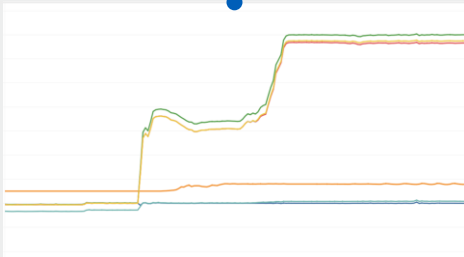
Liquid air production achieved

Major Milestones

SEH LAES

11/2025

Plant performance tests completed.



12/2025

Plant inauguration and start of operation

01/2026

Passed capacity adequacy test, required for eligibility as grid capacity provider

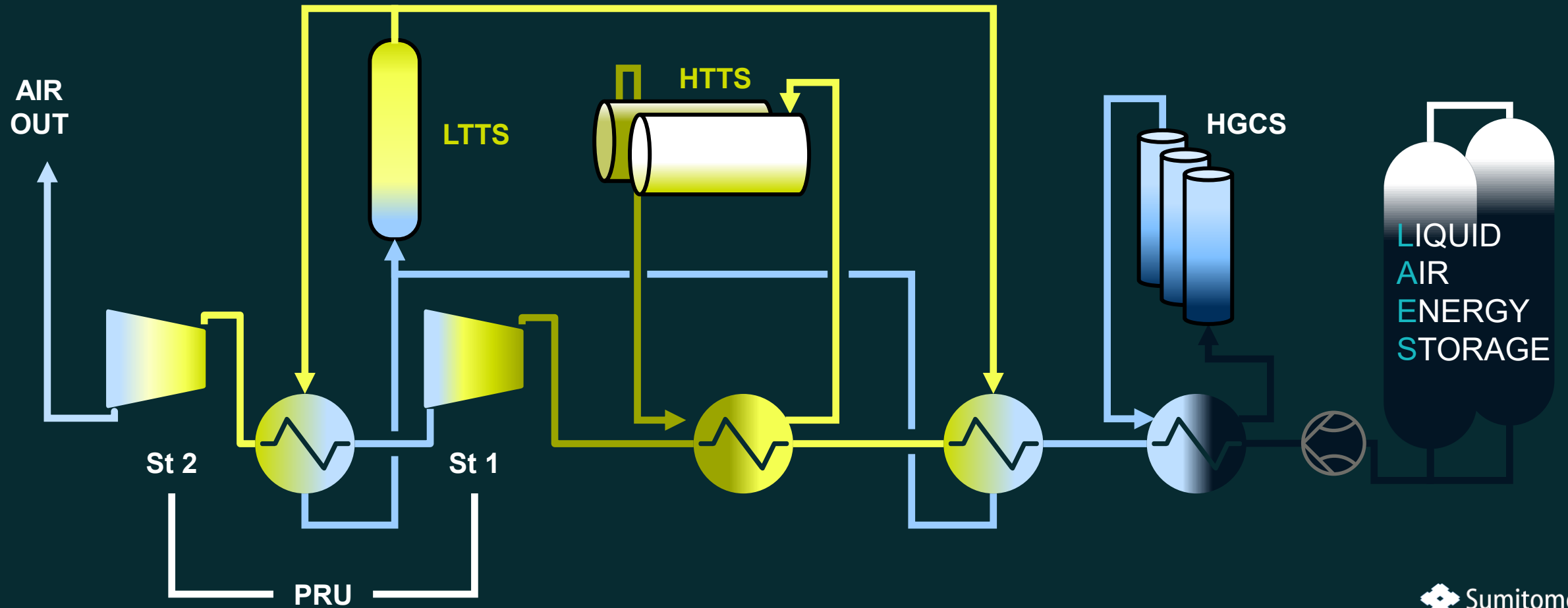


02/2026

Charging system is fully automated.

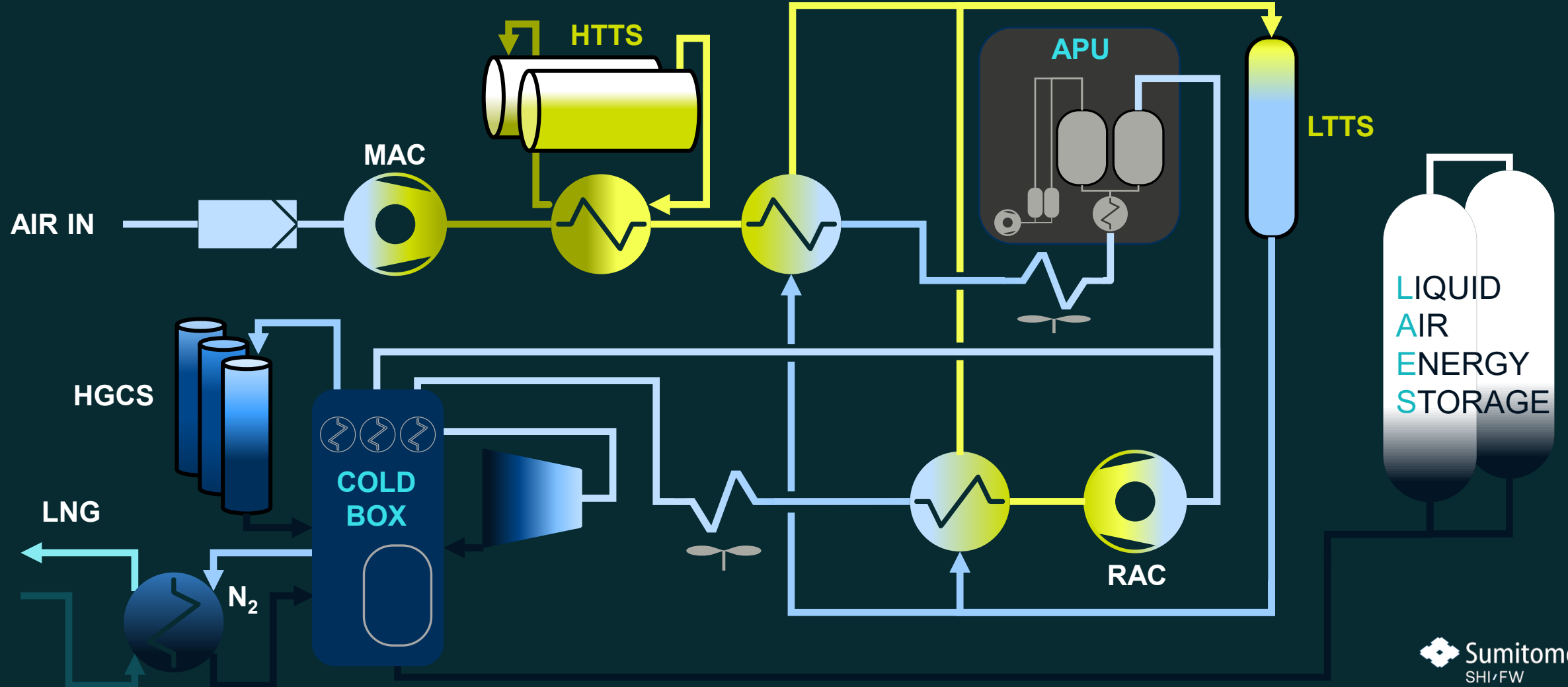
Power recovery

SEH LAES



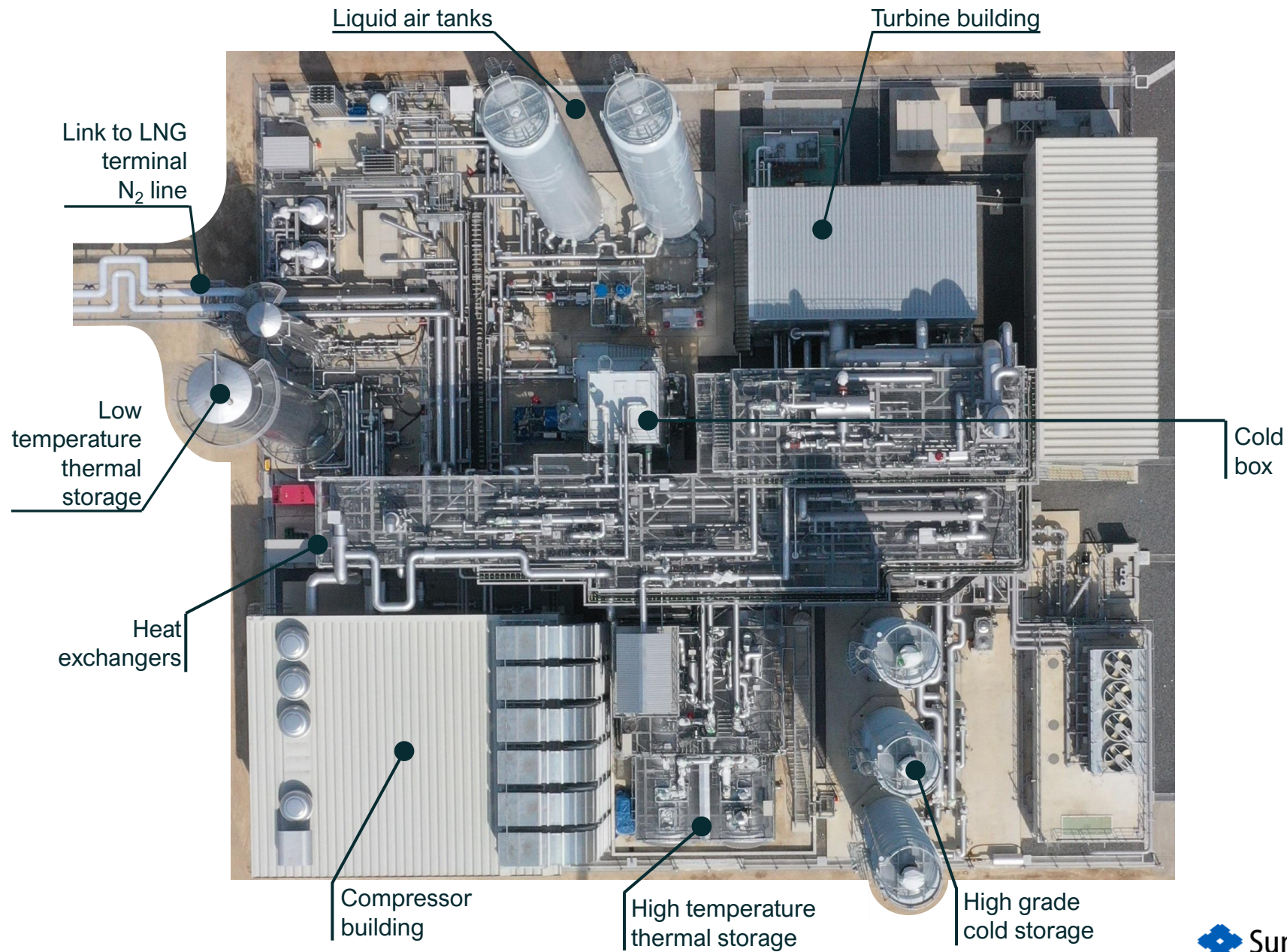
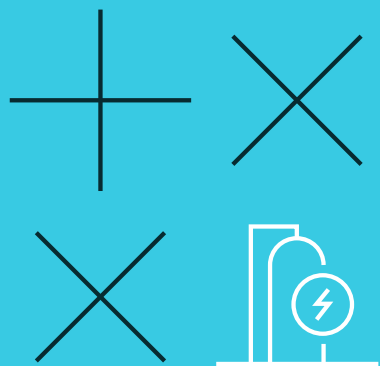
Liquefaction

SEH LAES



SEH

The first liquid air energy storage plant with LNG terminal integration



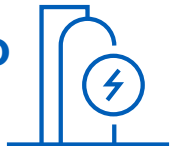
LAES

Compliant with all laws and regulations for **safety, design and construction**

Connected to the grid for operation in OCCTO, **traded** through Koei Energy Co.

Demonstrates **synergy** in integration with regasification process of Hiroshima Gas Co. LNG terminal

Welcome to
LAES SEH!



Thank you



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