

Kawasaki Hydrogen Activities

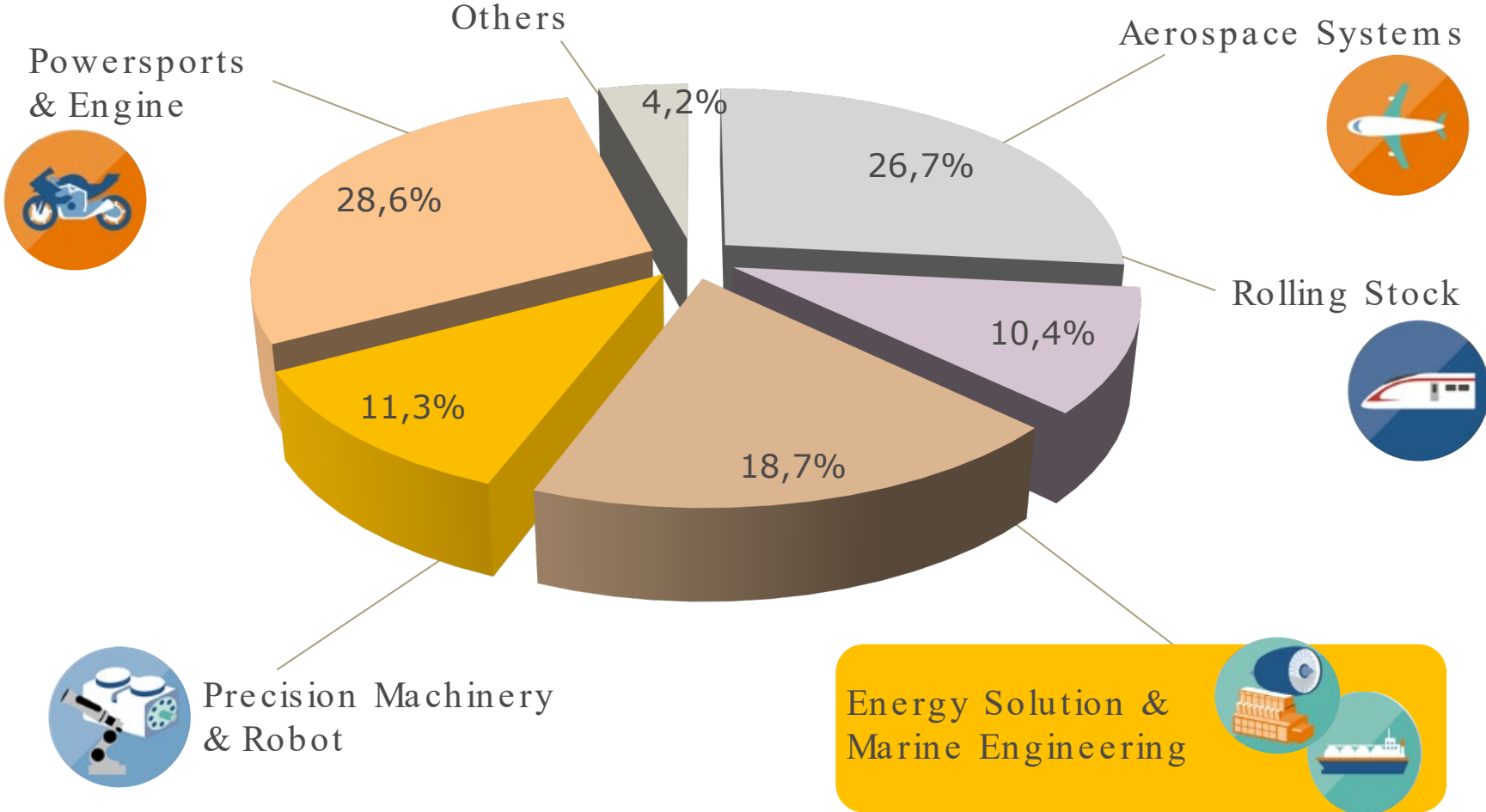
Taku Hasegawa



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Net Sales Business Segment

(As of March 31st 2025)



Net Sales: JPY 2,129 billion (EUR 12,525 million)

KHI's Hydrogen Products



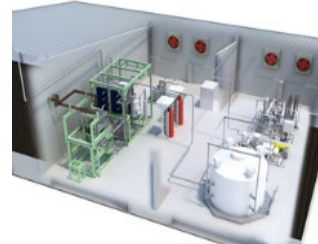
Engine



Gas Turbine



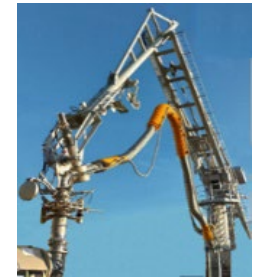
Fertilizer
□ GH₂ Production □



Electrolysis
(membrane)



Liquefier



Loading Arm



Boiler



Valve

Utilization

Production

Synergy of
Kawasaki Group
Technologies

Transport

Storage

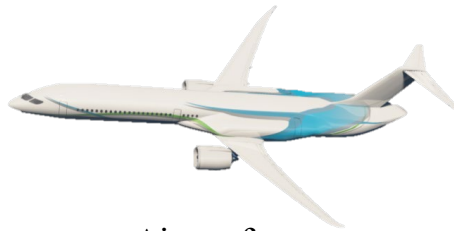


LH₂ Carrier

□ HySTRA □



FC Train



Aircraft



Motorcycle



LH₂ Container



© JAXA



Tanks



GH₂ Compressor

Liquefied hydrogen carrier Ship & Terminal

2022 Small scale
Pilot demonstration
Done between J and A



2030 Middle scale
Commercialization
demonstration



Further more
Large scale

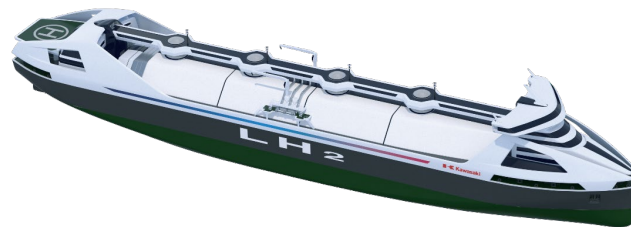
 NEDOSupport

 NEDOGreen Innovation Fund Project

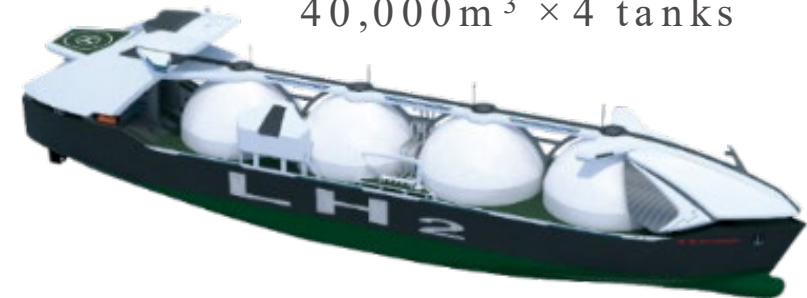
1,250m³ × 1 tank



10,000m³ × □ tanks



40,000m³ × 4 tanks



2,500m³





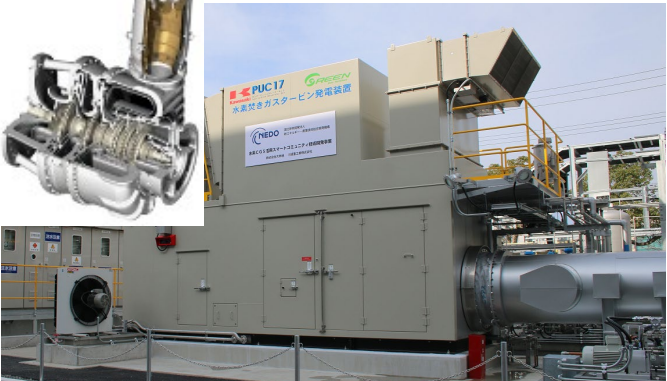


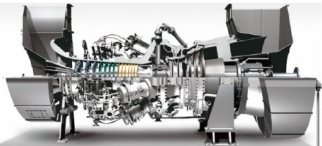

50,000m³



200,000m³



Hydrogen Gas Turbine

	Diffusion / Micro-Mix	Diffusion Combustor	Micro-Mix Combustor
Type H2 Firing	 PUC17 □ 1.8MW □ □ 100% H ₂ /NG Firing (2018 □)	PUC300 □ 34MW □ 0~50% H ₂ Co-firing (2021)	GPB300 (34MW □ 0~100% H ₂ Co-firing (2026)
Project Overview	<ul style="list-style-type: none"> ✓ Co-generation system (CGS) with 1 MW class ✓ World's first 100% H₂ firing ✓ Heat and power were delivered to neighborhood building   <p>@H2 CGS Demonstration Facility, Port Island, Kobe</p>	<ul style="list-style-type: none"> ✓ Co-firing by-product hydrogen and natural gas. ✓ Kerosene can also be used as a backup.   <p>@Seibu Oil</p>	<ul style="list-style-type: none"> ✓ Aim at Operation with flexible ratio between 100% hydrogen and 100% natural gas   <p>@RWE Generation SE</p>

Hydrogen Compressor

For H₂ Pipeline



 **Green Innovation Fund Project**

Flow rate 500,000 Nm³/hr

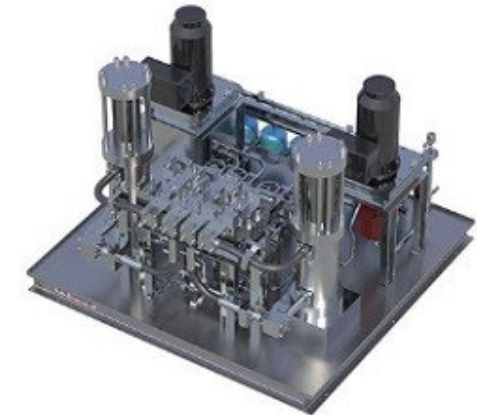
Inlet Pressure : 30 barA

Outlet Pressure: 60 barA

Pressure ratio: 2.0+ (Plus)

Market in: 2026

For large scale H₂ Stations



□ Flow rate : 300Nm³/h

□ Discharge pressure: Max 87.5 MPa

□ Market in: 2025



Powering your potential