

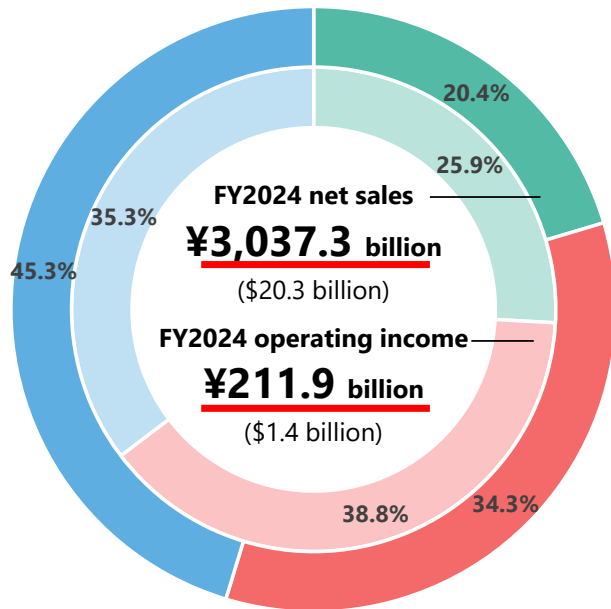
Asahi Kasei's Efforts for Hydrogen Society

HENCA Tokyo 2025

Masami Takenaka

Lead Executive Officer
Senior General Manager,
Green Solution Project

Contributing to life and living in 3 business sectors



(Percentages excluding corporate expenses and eliminations)

Trade name Asahi Kasei Corp.

Founding May 25, 1922

Head Office Tokyo, Japan

Employees 50,352

(consolidated, as of March 31, 2025)



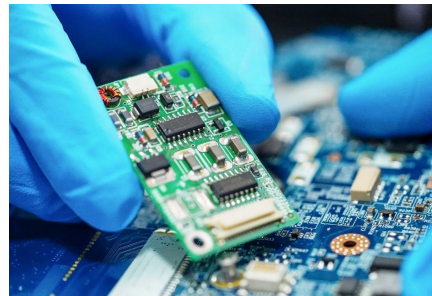
Healthcare

Contributing to the lives of people through the provision of innovative pharmaceuticals and medical devices that meet unmet needs under the mission "Improve and save patients' lives"



Homes

Enabling secure and enriched living through the provision of high-quality, highly durable homes and construction materials, and various related services

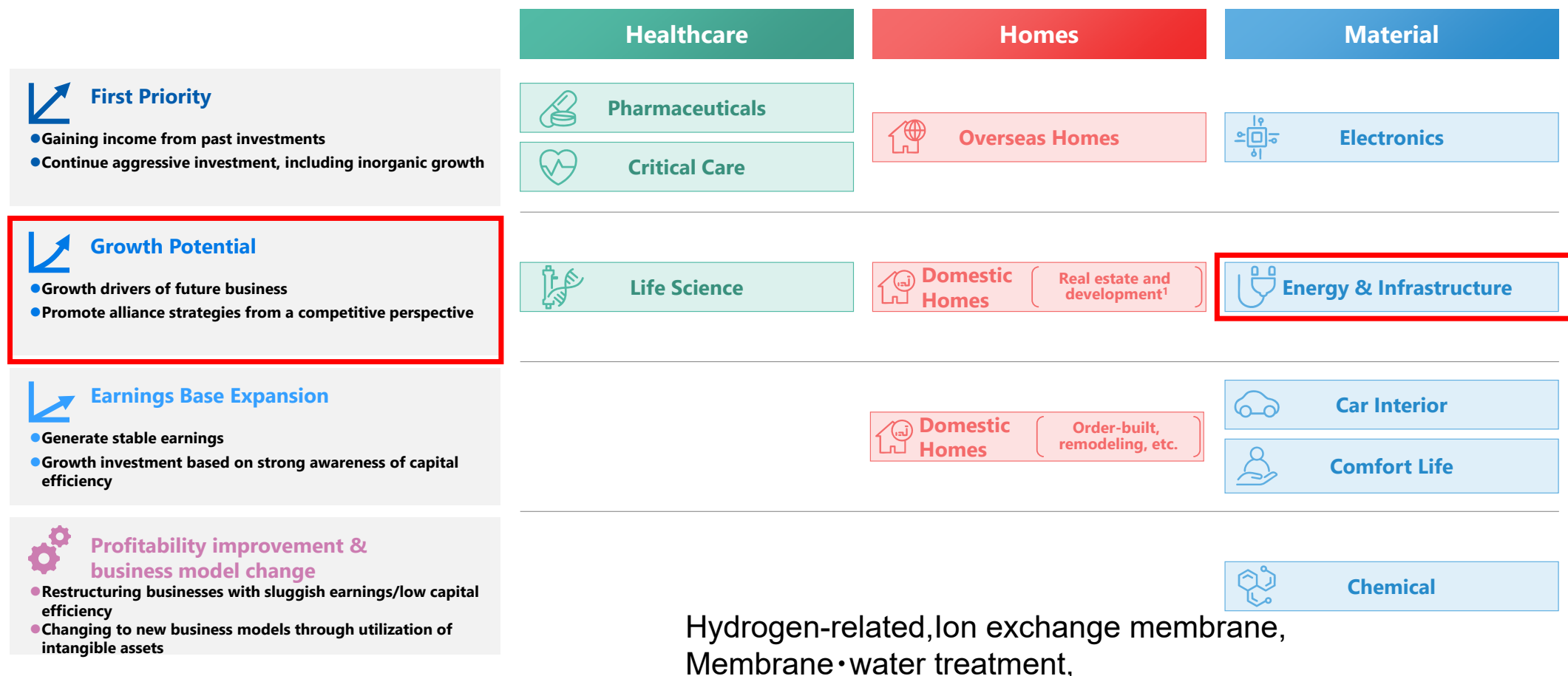


Material

Providing sustainable solutions that contribute to a better life for people and the Earth by utilizing the technology and knowledge of materials and chemistry

Positioning of each business in portfolio

Continuing to invest in First Priority and Growth Potential businesses to achieve profit growth while advancing reforms of businesses for profitability improvement & business model change



¹ Development business in real-estate (excl. rental and brokerage business) and land purchase/use in order-built homes


Fukushima Hydrogen Energy Research Field

FHER
FUKUSHIMA
HYDROGEN
ENERGY
RESEARCH
FIELD



TOSHIBA
Iwatani

 Tohoku Electric Power Co., Inc.
AsahiKASEI

 Tohoku Electric Power Network Co., Inc.



10MW AWE

Hydrogen storage and supply facilities (Iwatani)

R&D center

P2G Control system

PV (20MW)

- FH2R is a 10MW-class hydrogen production plant with 20MW PV + Grid in operation since March 2020
- Multiple test protocols have been completed. Performance under fluctuating input power, shutdown/restart has been confirmed
- FCV-class (ISO14687 Type I, grade D) hydrogen has been supplied to the local Hydrogen Refueling Station and Stationary Fuel Cells

NEDO / Development of Technologies for Realizing a Hydrogen Society / Development of Hydrogen Energy Utilization Systems / Technical development concerning business model construction and large-scale proof of a hydrogen system for energy reuse

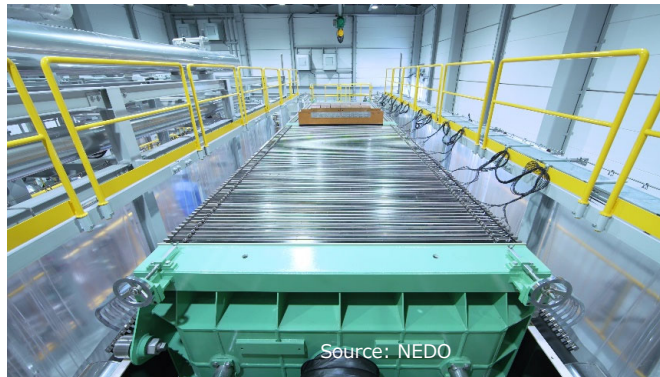
Our strengths

(1) In-house development capabilities



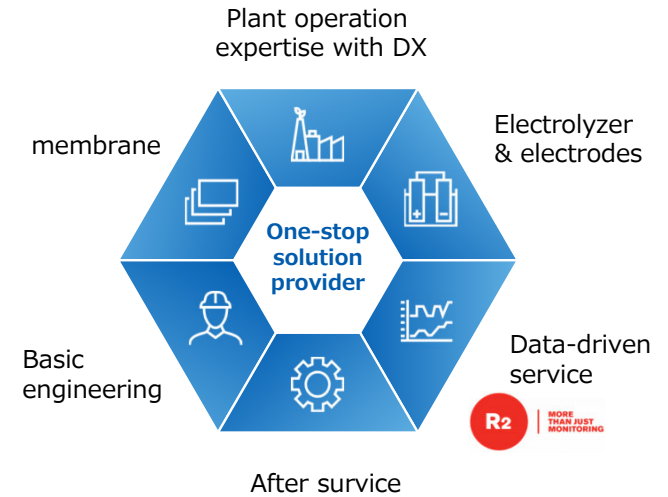
- ✓ In-house development of key components and control technologies using pilot equipment in Kawasaki plant*1

(2) Long-term operation results at large facilities



- ✓ Long-term operation and know-how accumulation at FH2R

(3) Reliable business model



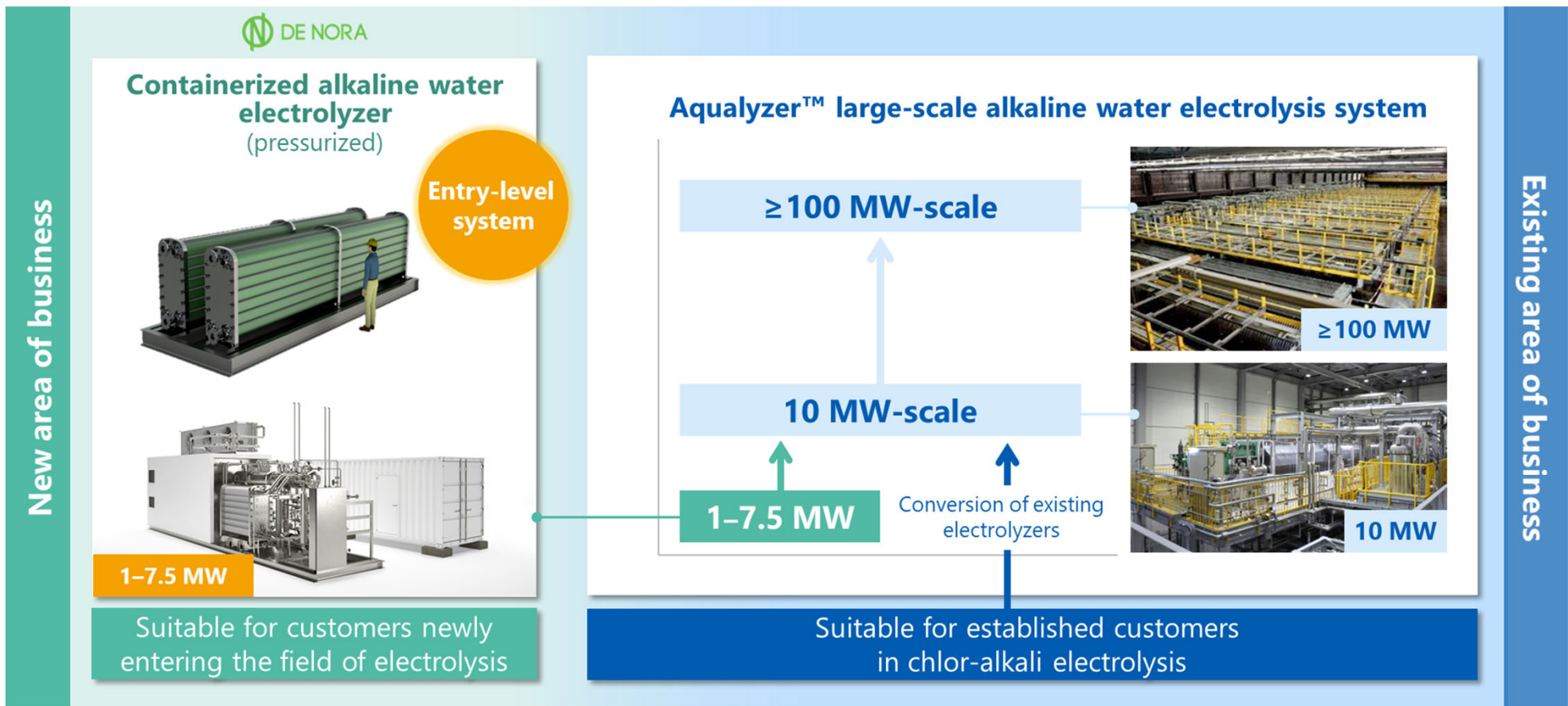
- ✓ Enabling long-term customer operations Providing one-stop solutions

- ✓ Preparing to expand manufacturing capacity to be max. 3GW (granted by Japanese government, operational in FY2028)

(*1) Green Innovation Fund / Hydrogen Production through Water Electrolysis Using Power from Renewables / Technology development for increasing the size of water electrolyzers, and Power-to-X large-scale demonstrations / Large-scale Alkaline Water Electrolysis System Development and Green Chemical Plant Demonstration

Recent activity

- ✓ Started collaboration with De Nora for development and sale of small-scale containerized model.
- ✓ Supply 1-MW class electrolyzer to the Central Finland Mobility Foundation, operation in 2026.



Summary

- We are advancing project formation by leveraging our track record in long-term hydrogen production demonstration in Fukushima, our in-house development capabilities and reliable one-stop solution business model.
- Through our expertise in electrolysis and the provision of services, we aim to contribute to the realization of a hydrogen society, centered on the Tokyo Metropolitan Government.
- To this end, it is essential not only to enhance the predictability of demand but also to establish institutional frameworks that consider the cost burden associated with the use of green hydrogen.



AsahiKASEI

Creating for Tomorrow