

TOYOTA



5 MW Electrolysis Systems Launch Event

March 17, 2026

More Hydrogen

More Affordable
More Accessible
More Applicable





Industrial Products × Plant Engineering





TOYOTA

Taking Responsibility Through Action
Delivering Social Value with Automotive Technology

Launched a demonstration program at DENSO Fukushima in Spring 2023

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Enriching Society through Engineering Value
Connecting Regions and People Worldwide Through
Energy Infrastructure



Building Plants Across 60+ Countries

写真提供：カタールガスオペレーティングカンパニーリミテッド Courtesy of Qatargas Operating Company Limited 提供元: Bing

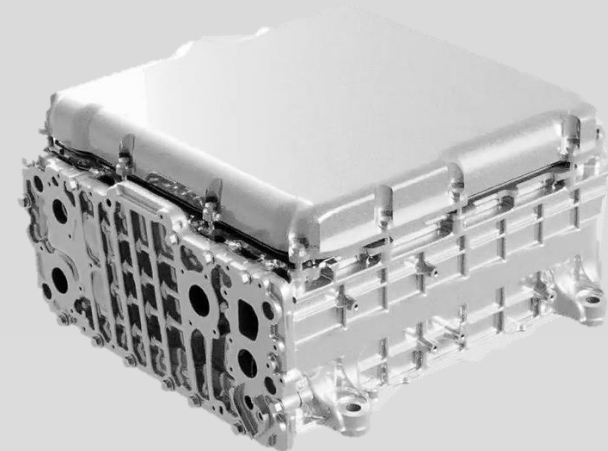
Leveraging Automotive Synergy



FCEV



Electrolyzer



Achieves 12× higher hydrogen production at the same electrolyzer volume as the DENSO Fukushima system, enabled by automotive-grade components and standardized manufacturing.

Designed for Simplified Plant Operation



**Predictive &
Preventive Maintenance**



Optimal Control

Operational Support System



Condition Monitoring

Achieves more than a 10% reduction in system-level operating costs and a 50% reduction in plant downtime.

Reality in Motion

Denso Fukushima

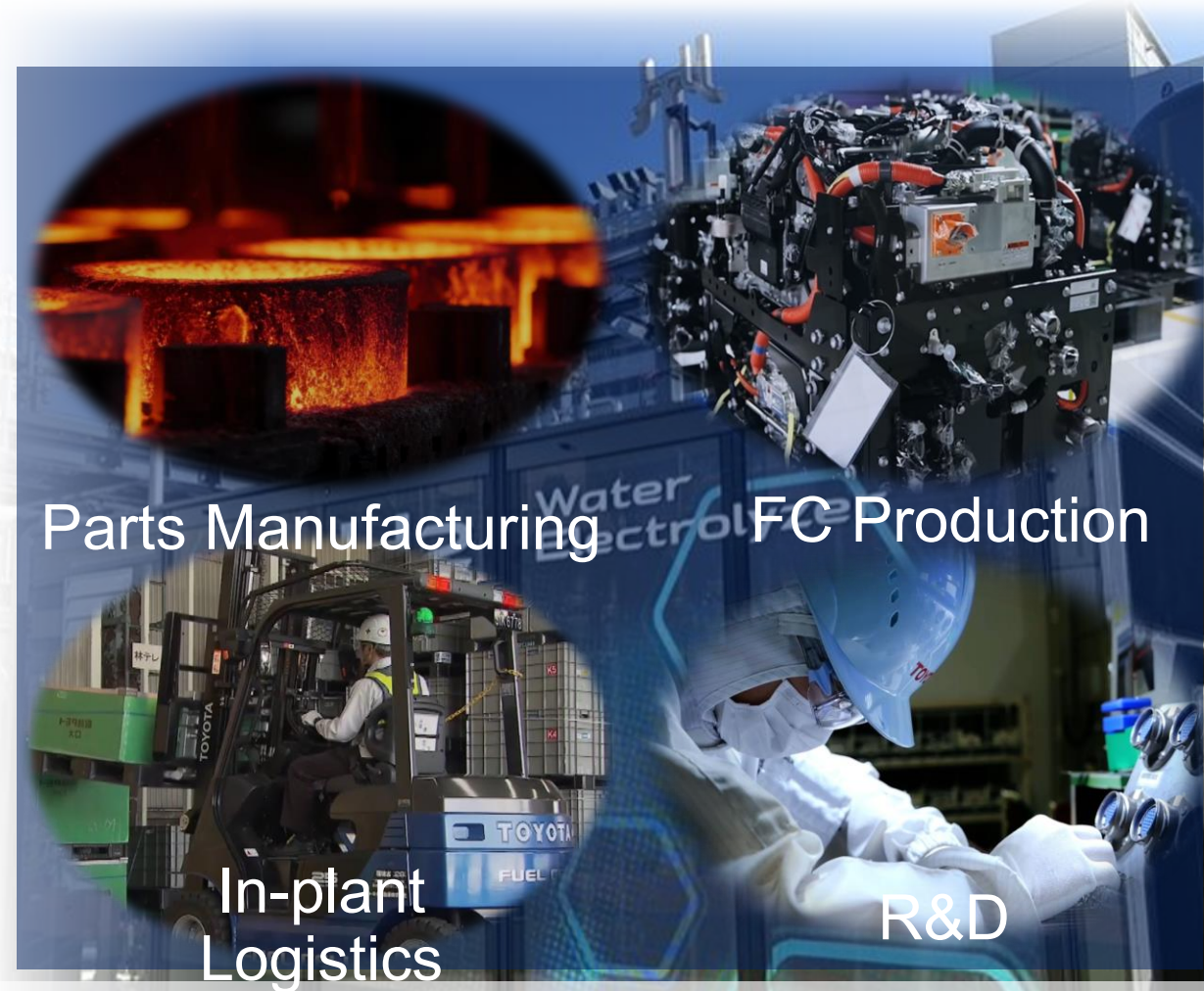
Capacity	0.4 MW
H2 Production	8 kg/h
Site Area	750 m ²
Stack Replacement	-
O&M	On-site

Toyota Honsha Plant

Capacity	5.0 MW
H2 Production	96 kg/h
Site Area	750 m ²
Stack Replacement	50% ↓
O&M	Remote

Scaling electrolysis systems to improve hydrogen accessibility and affordability

Reality in Motion: Production to End Use



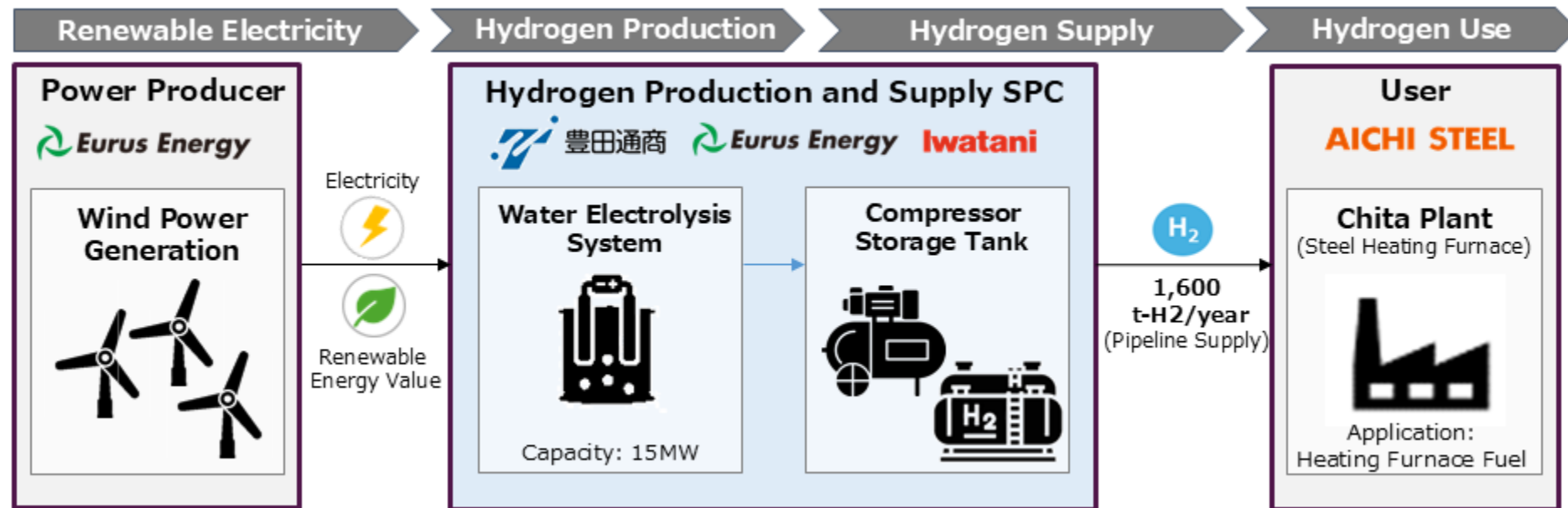
Exploring a wider range of hydrogen applications

The Next Challenge

TOYOTA



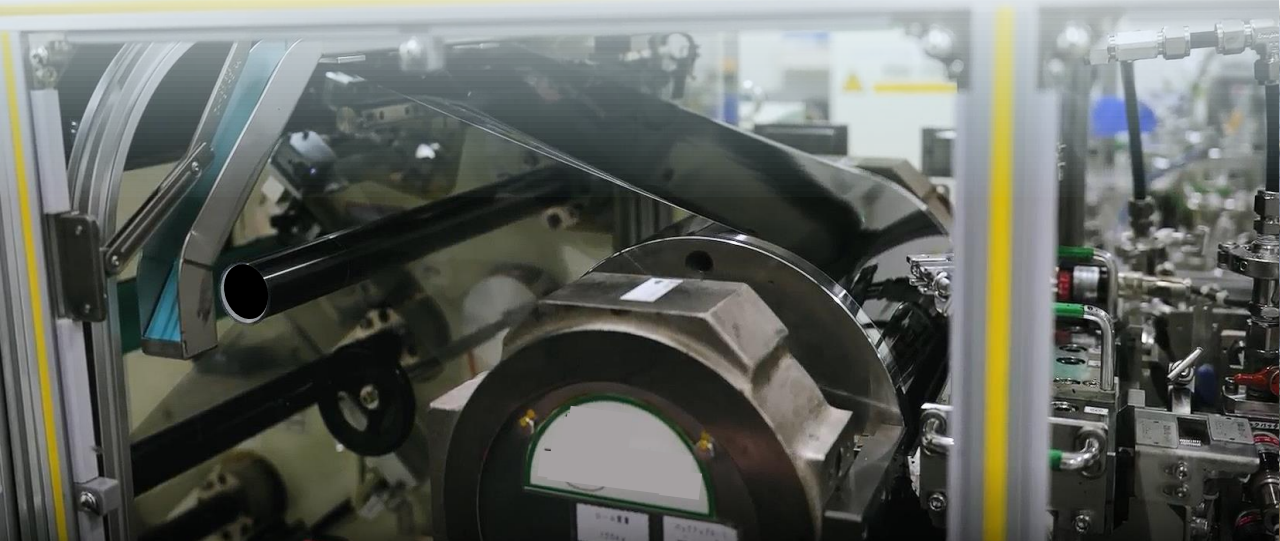
2030: Launch of a 15-MW-Scale Water Electrolysis Project with Aichi Steel Corporation



Approved in 2025 under Japan's Hydrogen Society Promotion Act



Supporting Japan's Growth Strategy and Making Hydrogen Part of Everyday Life



TOYOTA



Advancing Hydrogen Use Together