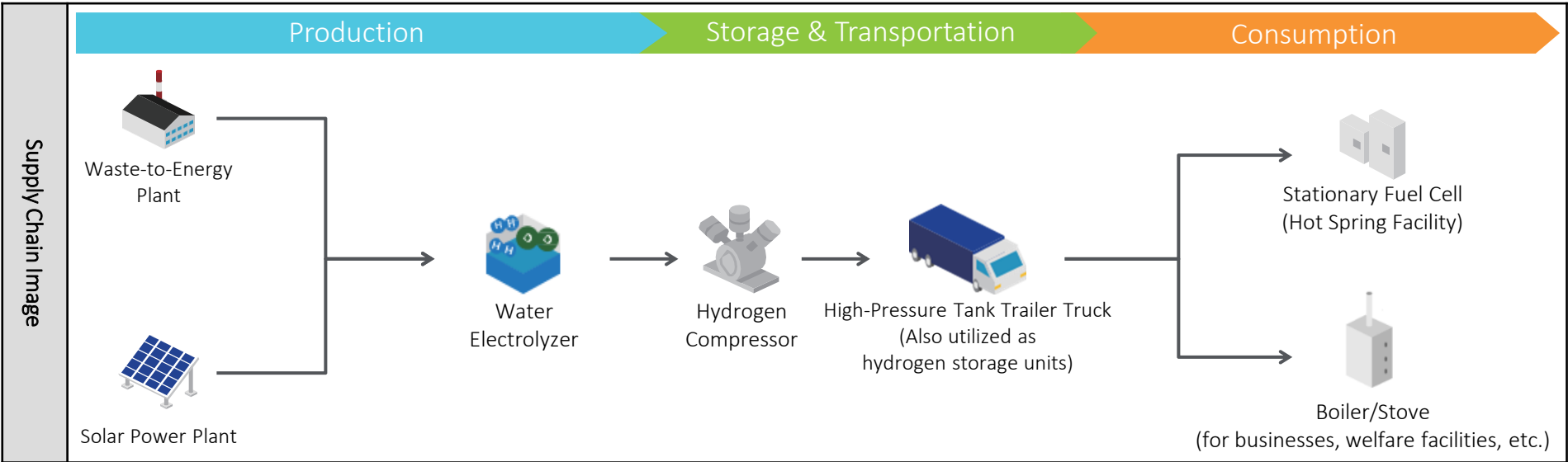


Turning Hokkaido into a Hydrogen Island, a Large-Scale Renewable Hydrogen Supply Chain Demonstration Project That Does Not Depend on the Power System (Tomakomai City, Hokkaido, Primary Partner: SPARX Green Energy & Technology Co., Ltd.)

Project Overview and Supply Chain Image

Overview	Tomakomai City will establish a system to stably produce 1 million Nm3/year of renewable hydrogen by combining power from the waste-to-energy plant and the on-site solar power plant at Numanoshi Clean Center.		
	Power will be supplied directly to water electrolyzers via a private power line, overcoming grid constraints that hinder the installation of additional renewable energy generation facilities. This approach also contributes to lower production costs by utilizing surplus nighttime power from the waste-to-energy plant. Furthermore, it promotes demand creation and a positive economic cycle within the area through local hydrogen utilization.		
	Hydrogen will be transported via high-pressure tank trailer trucks, which also serve as mobile storage units, to municipal facilities and neighboring companies. Utilization in stationary fuel cells, boilers, and stoves will contribute to reducing the consumption of kerosene, a widely used fuel in cold regions.		
Municipality	Tomakomai City, Hokkaido	Time Period	FY2023-2025 (Planned)



(Source: SPARX Green Energy & Technology Co., Ltd. project documents)