## Introduction of fuel cell forklift at Keihin Coastal Area and demonstration of clean hydrogen utilization model construction

(Yokohama City and Kawasaki City, Kanagawa, Primary partner: Toyota Motor Corp.)

## **Project Overview and Supply Chain Image**

Overview		renewable energy, but also this hydrogen supply chain project aims for expansion setting the following four t (1) A hydrogen production (2) An optimal storage and (3) Introduction and usage	This project develops a hydrogen supply chain that includes not only production of CO2-free hydrogen utilizing renewable energy, but also storage, transportation and use of CO2-free hydrogen. Through the development of this hydrogen supply chain, the project achieves a simplified integrated system for hydrogen utilization. The project aims for expansion into various regions and contribution toward global warming countermeasures by setting the following four themes:  (1) A hydrogen production system using water electrolysis by a wind power plant (Hama Wing)  (2) An optimal storage and transportation system for hydrogen provision  (3) Introduction and usage of FC forklifts  (4) Research on the business potential of a hydrogen supply chain (hydrogen price, amount of CO2 reduction, etc.)			
	Municipalities	Yokohama City and Kawa Kanagawa	asaki City,	Time Period	FY2015-FY2020	
	Production		Sto	orage & Transportation	Supply & Use	
Suppl	→ <b>y</b>		→ <b>(</b> )	$\rightarrow$ $\rightarrow$		

T ly Chain Image Water Receiving/transforming/ Hydrogen Simplified hydrogen Hydrogen Wind power plant electrolysis distribution panels fueling truck FC forklifts storage tank compressor 1,980kW system (in fruit and vegetable markets, refrigerated warehouses, distribution warehouses, etc.) Energy storage system