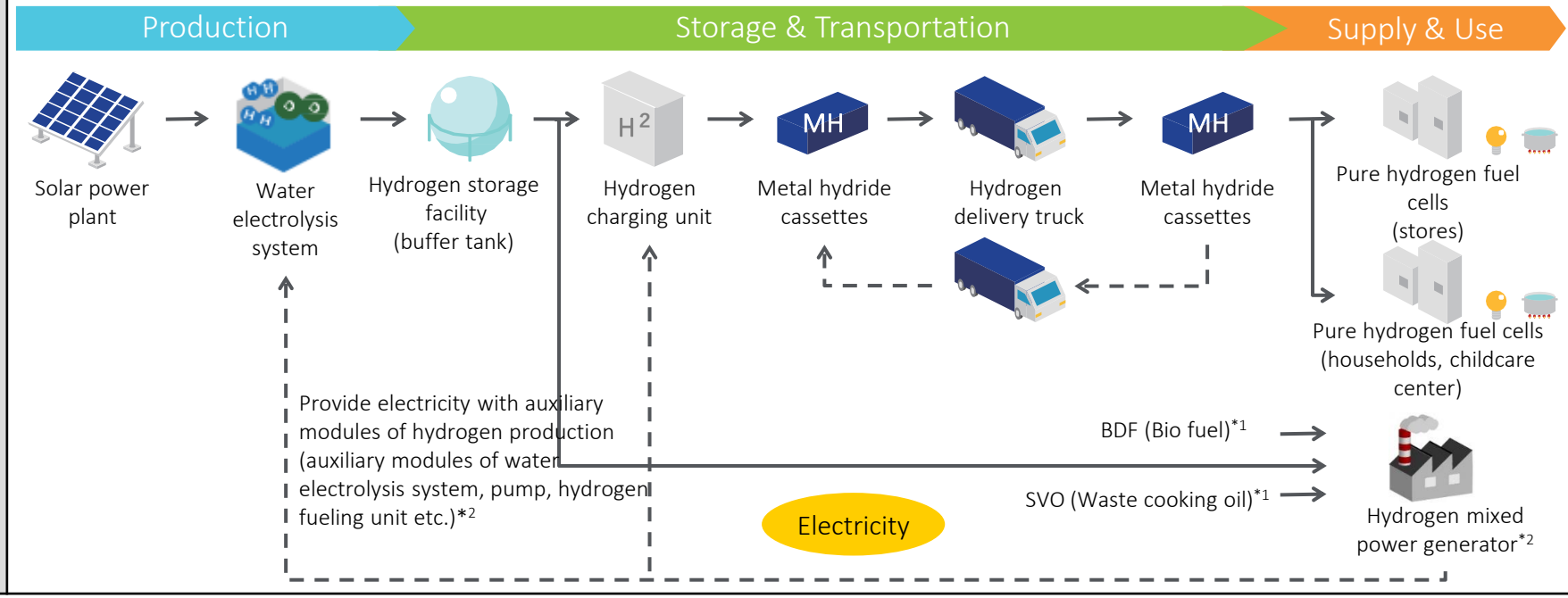
Project to demonstrate a low-carbon hydrogen supply chain using fuel cells and the existing logistics network in Tomiya, Miyagi Prefecture （Tomiya City, Miyagi, Primary partner: Hitachi, Ltd.）

Project Overview and Supply Chain Image

Overview	This project performs the following three demonstrations related to supply chains in order to actualize hydrogen for consumer use: (1) Low-carbon and low-cost transportation using the existing logistics network (2) Use of hydrogen in the hours from evening to night when solar power generated electricity decreases (3) Building of a local production for local demand-type of hydrogen supply and demand structure In FY2021, the project installed a new hydrogen mixed-combustion power generator to provide electricity for auxiliary modules needed for hydrogen production in order to strengthen supply chains in preparation for emergencies		
Municipalities	Tomiya City, Miyagi	Time Period	FY2017-FY2021 (Planned)

Supply Chain Image



*1 BDF and SVO are out of scope of this project

*2 Supplying electricity for auxiliary modules of hydrogen production by hydrogen mixed-combustion power generator has started in FY2020

（Source: Hitachi Ltd. project documents）