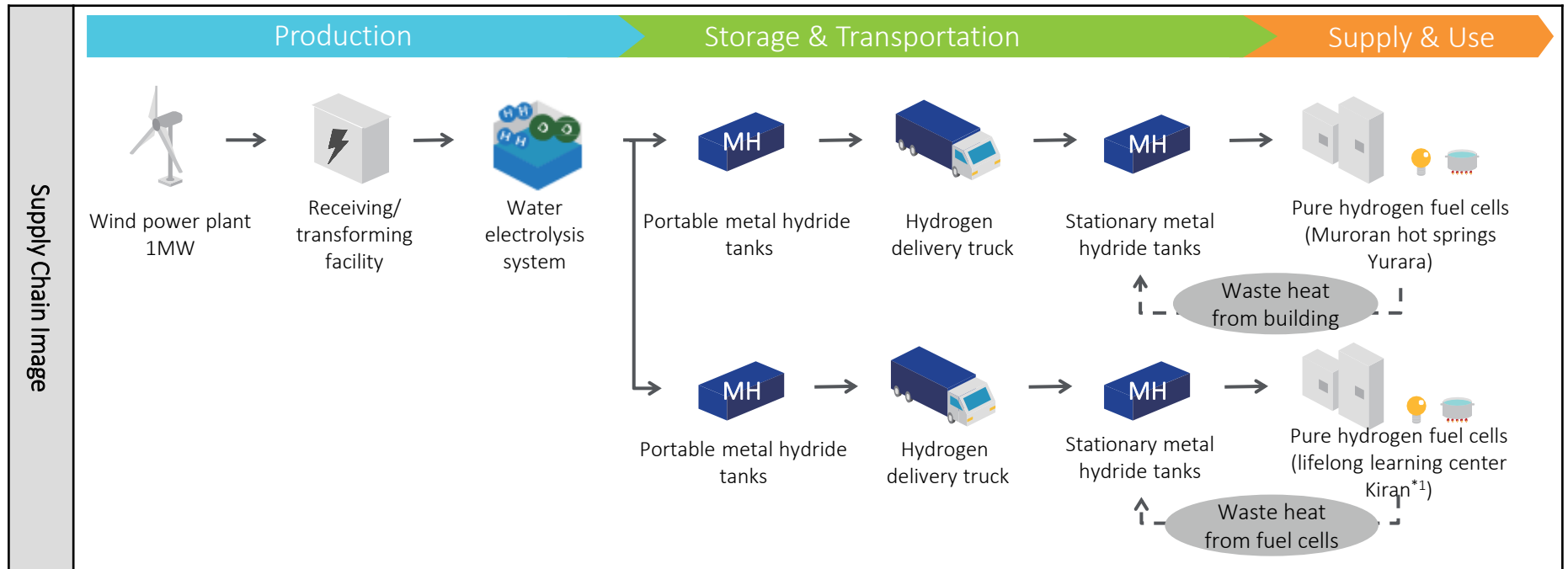


Project to demonstrate a low-pressure hydrogen delivery system to promote hydrogen use in buildings and city infrastructure

(Muroran City, Hokkaido, Primary partner: Taisei Corp.)

Project Overview and Supply Chain Image

Overview	The project produces hydrogen using wind power. The hydrogen can then be stored and transported (hydrogen only) at low pressure by using metal hydride (MH) tanks and hydrogen delivery vehicles. Pure hydrogen-type fuel cells are operated to provide electricity and heat to facilities that demand them. The project also tries to improve energy efficiency by utilizing waste heat from buildings in Muroran hot springs Yurara and waste heat from the fuel cells at lifelong learning center Kiran in hydrogen transport. Hydrogen supply for lifelong learning center Kiran started in FY2021.		
Municipalities	Muroran City, Hokkaido	Time Period	FY2018-FY2021(Expected)



*1 The fuel cell was installed at lifelong learning center Kiran in FY2020

(Source: Taisei Corp. project documents)