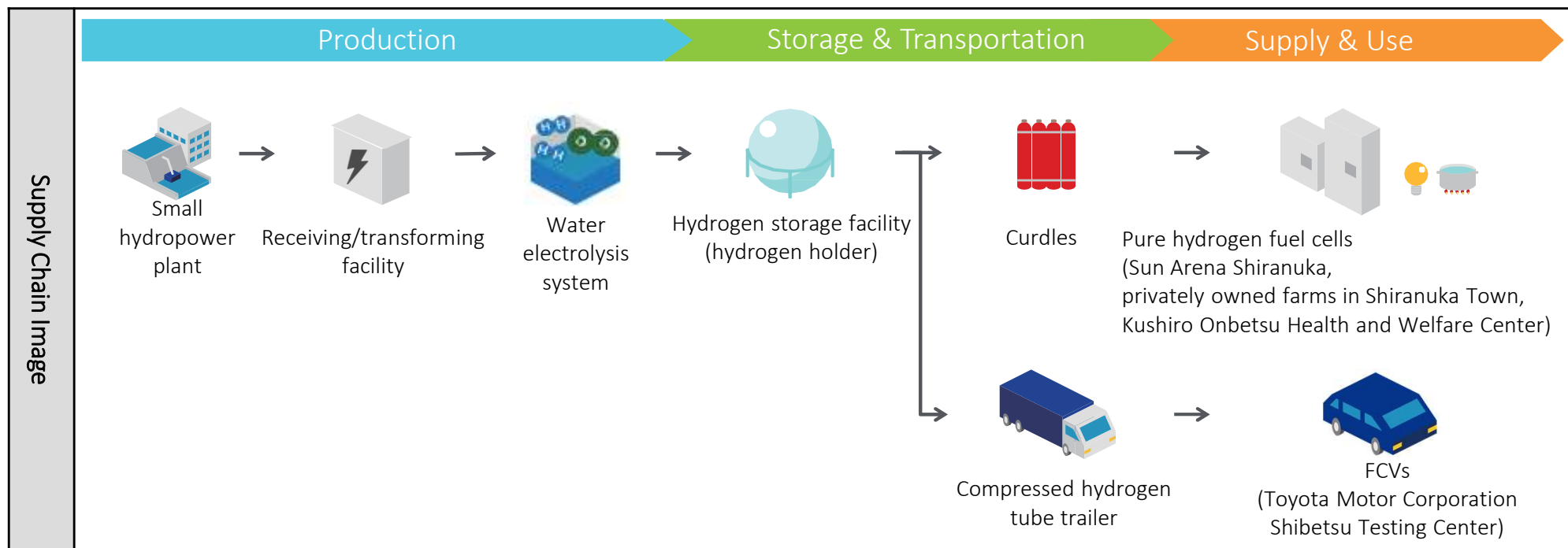


Expanding the use of hydrogen produced from a small hydropower plant and establishing a hydrogen utilization model suitable for the local characteristics of Hokkaido (Kushiro City and Shiranuka Town, Hokkaido, Primary partner: Toshiba Energy Systems & Solutions Corp.)

Project Overview and Supply Chain Image

<p>Overview</p>	<p>This project aims to expand the introduction of renewable energy in Hokkaido, which has abundant natural resources, thereby reducing CO2 emissions. It will do this by developing a hydrogen supply chain that uses electricity from small-scale hydropower plants to produce hydrogen from renewable energy sources for use in local areas.</p> <p>The project utilizes renewable hydrogen that is produced at a small-scale hydropower plant in Shiranuka Town, Shiranuka-gun, Hokkaido, by using the maintenance flow discharge of the Shoro Dam. This hydrogen is used in pure hydrogen fuel cells installed in multiple facilities in the region, and is also provided to FCVs. Also, the project cooperates with local governments to build a hydrogen supply chain that utilizes local resources to establish a model that can be used nationwide and lead to the expansion of hydrogen use.</p>		
<p>Municipalities</p>	<p>Kushiro City and Shiranuka Town, Hokkaido</p>	<p>Time Period</p>	<p>FY2015-FY2020</p>



(Source: Toshiba Energy Systems & Solutions Corp. project documents)