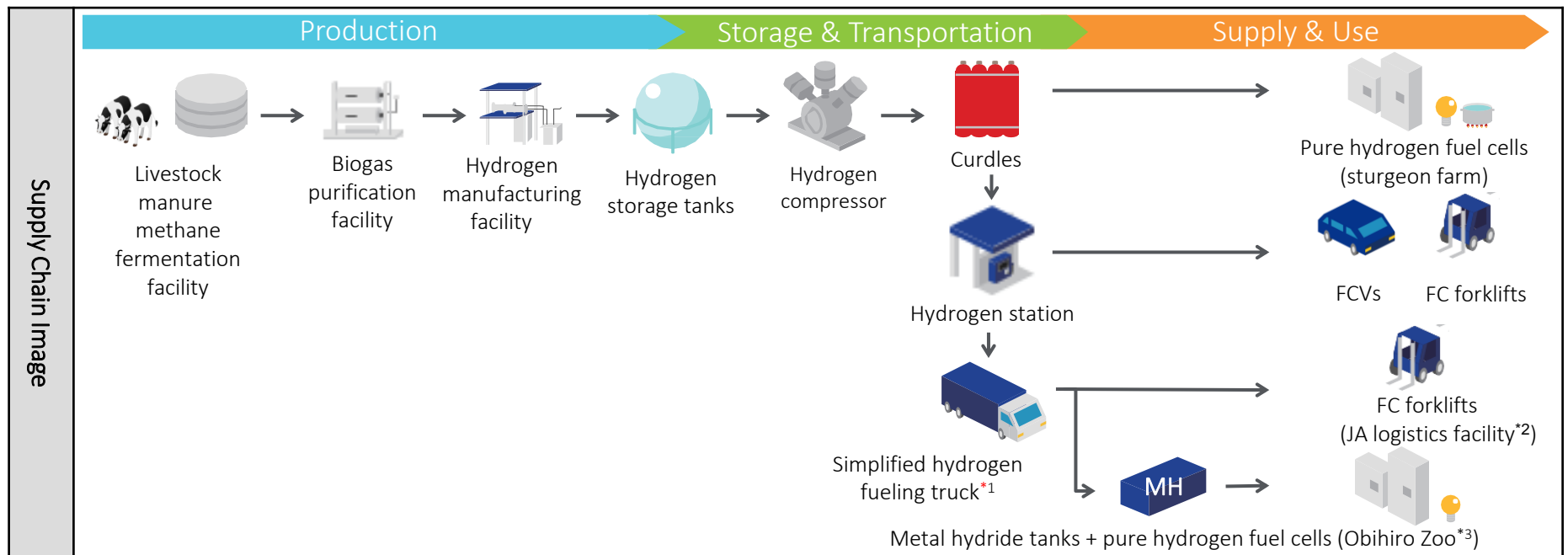


# The hydrogen energy supply chain demonstration project from livestock manure (Shikaoi Town and Obihiro City, Hokkaido, Primary partner: Air Water Inc.)

## Project Overview and Supply Chain Image

<p><b>Overview</b></p>	<p>This project aims for building an energy model of local production for local consumption by utilizing hydrogen that is produced from livestock manure in local regions, thus reducing the use of fossil fuels and achieving disaster-resilient decentralized energy business.</p> <p>Specifically, the project produces hydrogen from biogas made by methane fermentation of livestock manure in Hokkaido's Tokachi region (in designated biomass industrial cities) and verifies a supply chain model that provides electricity and heat from fuel cells and makes them available with FCVs and FC forklifts. Starting in FY2020, the project has been utilizing simplified hydrogen fueling vehicles, and has installed metal hydride tanks with pure hydrogen fuel cells at the Obihiro Zoo.</p>		
<p><b>Municipalities</b></p>	<p>Shikaoi Town and Obihiro City in Kato-gun, Hokkaido</p>	<p><b>Time Period</b></p>	<p>FY2015-FY2021 (Planned)</p>



\*1 Use of simplified hydrogen fueling truck began in FY2021 \*2 Supplying by simplified hydrogen fueling truck to FC forklifts at a JA logistics facility has been conducted multiple times for a limited time period since FY2020. \*3 The metal hydride tanks with pure hydrogen fuel cells were installed at Obihiro Zoo in FY2020. Supplying for dairy facilities and sightseeing complex facility "Tokachimura" have ended as of FY2019. (Source: Air Water Inc. project documents) © 2021. For information, contact Deloitte Tohmatsu Group.