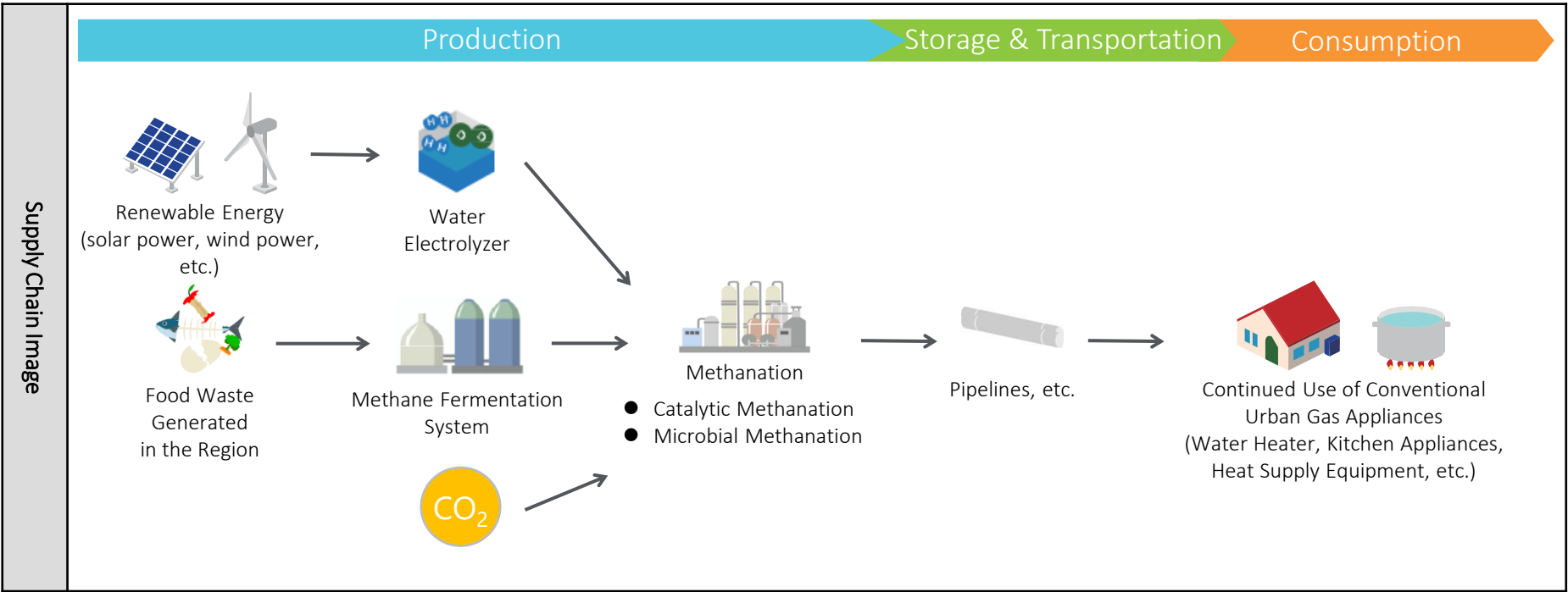


Hydrogen Supply Chain Demonstration Project of Methanation Utilizing Renewable Hydrogen and Food Waste Biogas in Urban Areas

(Osaka City, Osaka Prefecture, Primary Partner: OSAKA GAS Co., Ltd.)

Project Overview and Supply Chain Image

Overview	This project utilizes renewable energy-derived hydrogen and biogas produced from methane fermentation of unused biomass resources (food waste) to perform methanation*1. The resulting carbon-neutral methane can be used in conventional urban gas appliances. The demonstration project is being conducted at the Maishima Incineration Plant of the Osaka Waste Management Authority. From FY2025, the facility will be relocated to Expo 2025 Osaka, Kansai, Japan, where an increase in methane production is also considered.		
Municipality	Osaka City, Osaka Prefecture	Time Period	FY2022-2025 (Planned)



*1 : The technology that synthesizes methane by reacting hydrogen and carbon dioxide.
(Source: OSAKA GAS Co., Ltd. project documents)