

Seminar on Exploring Collaboration Opportunities
toward Decarbonized and Sustainable Society in India

Kanadevia
Technology for people and planet

Venue : The Leela Palace New Delhi

Introduction Kanadevia's Business & Technology

4th Marth, 2025

Kanadevia India Private Limited

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1. Company Profile

1 October 2024, Hitachi Zosen changed its name to Kanadevia Corporation.

Just as the many diverse players in an orchestra work in harmony (“kanaderu”), we will pioneer a new path (“via”), through continuous technological innovation, bringing the same harmony to human society and the natural world.



Founder :
E.H. Hunter
The Osaka Iron Works
(proprietorship) were
founded.(1881)



Hitz
Hitachi Zosen Corporation

The name is changed to Hitachi
Zosen Corporation.(1943)
The Hitz brand name goes into
use.(2002)



Kanadevia

**Changed trade name to
Kanadevia
Corporation.(2024)**

Company Outline (2023)

Kanadevia Corporation

Year of founding : 1881

Number of employees(Consolidated) : 12,148

Consolidated sales : 555.8 billion yen

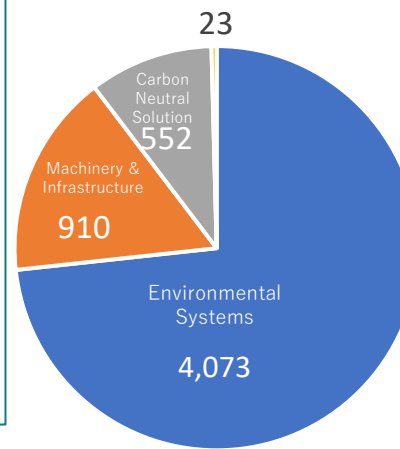
Number of group company : 85(Japan) 84(Overseas)



Business :

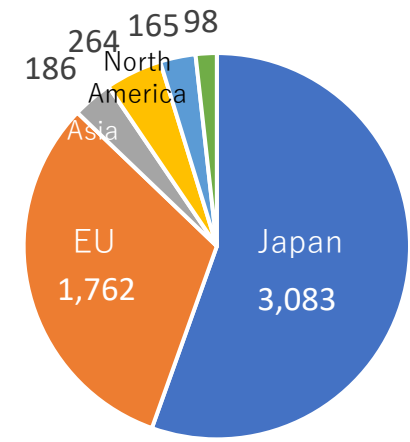
Design, construction and manufacture of Waste to Energy plants, Desalination plants, Water and Sewage Treatment plants, Marine Diesel Engines, Process Equipment, Precision Machinery, Bridges, Hydraulic Gates and Equipment for use in disaster prevention/mitigation

Sales by business segment



Unit: Hundred Million yen

Sales by region



Unit: Hundred Million yen

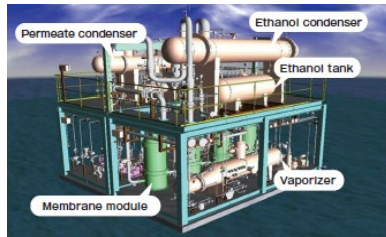
Introduction of Kanadevia India Private Limited



- Company Name
Kanadevia India Private Limited
(Formerly Hitachi Zosen India Private Limited)
- Established
May 2011
Form 100% Subsidiary of Kanadevia Corp.
- Staff (as of Oct 1st, 2024)
Gurugram 7 (3-Japanese + 4 National staff)
Hyderabad 36 (0-Japanese + 36 National staff)
- Office Location
 - Gurugram - Head office
 - Hyderabad - Engineering office
- Kanadevia Group in India
 - Group Company & Location
 - OSMOFLO – Pune
Service : RO Water Treatment Engineering
 - ISGEC-Hitachi Zosen Limited – Dahej
Service : Reactor Fabrication etc.

Reference Project in India

Biogas-Purify Demo Plant (Under demonstration)



Tandem Press Line



Client : Maruti Suzuki
Capacity : 2,000t Press Line
Nos. of Units : 4Unit x 2Line
Delivered : 2007

Jabalpur WtE Project



Client: Essel Infraprojects Ltd.
Ultimate Client: Jabalpur MC
Capacity: 600t/d x 1line
Power output : 11.5MW
Delivered : 2016

Moshi, Primpri - WtE Project



Client: Pimpri Chinchwad Municipal Corporation Ltd.
Capacity: 700t/d x 1line
Power output : 14 MW
Delivered : Commissioned in Oct 2023

Bidadi, Bangalore - WtE Project

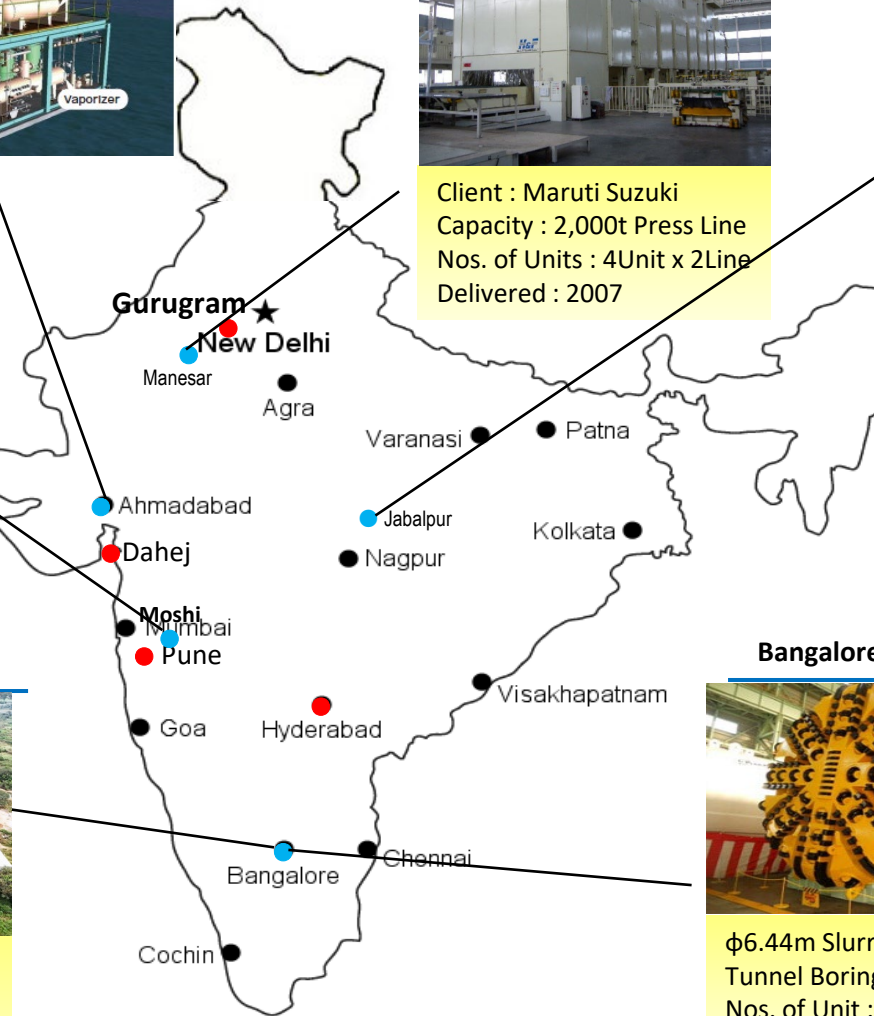


Client: Karnataka Gas Power Corporation Ltd.
Capacity: 600t/d x 1line
Power output : 11.5 MW
Delivered : PG Test Completed Dec, 2024

Bangalore Metro UG-2



φ6.44m Slurry-type
Tunnel Boring machine
Nos. of Unit : Two(2)
Delivered : 2011



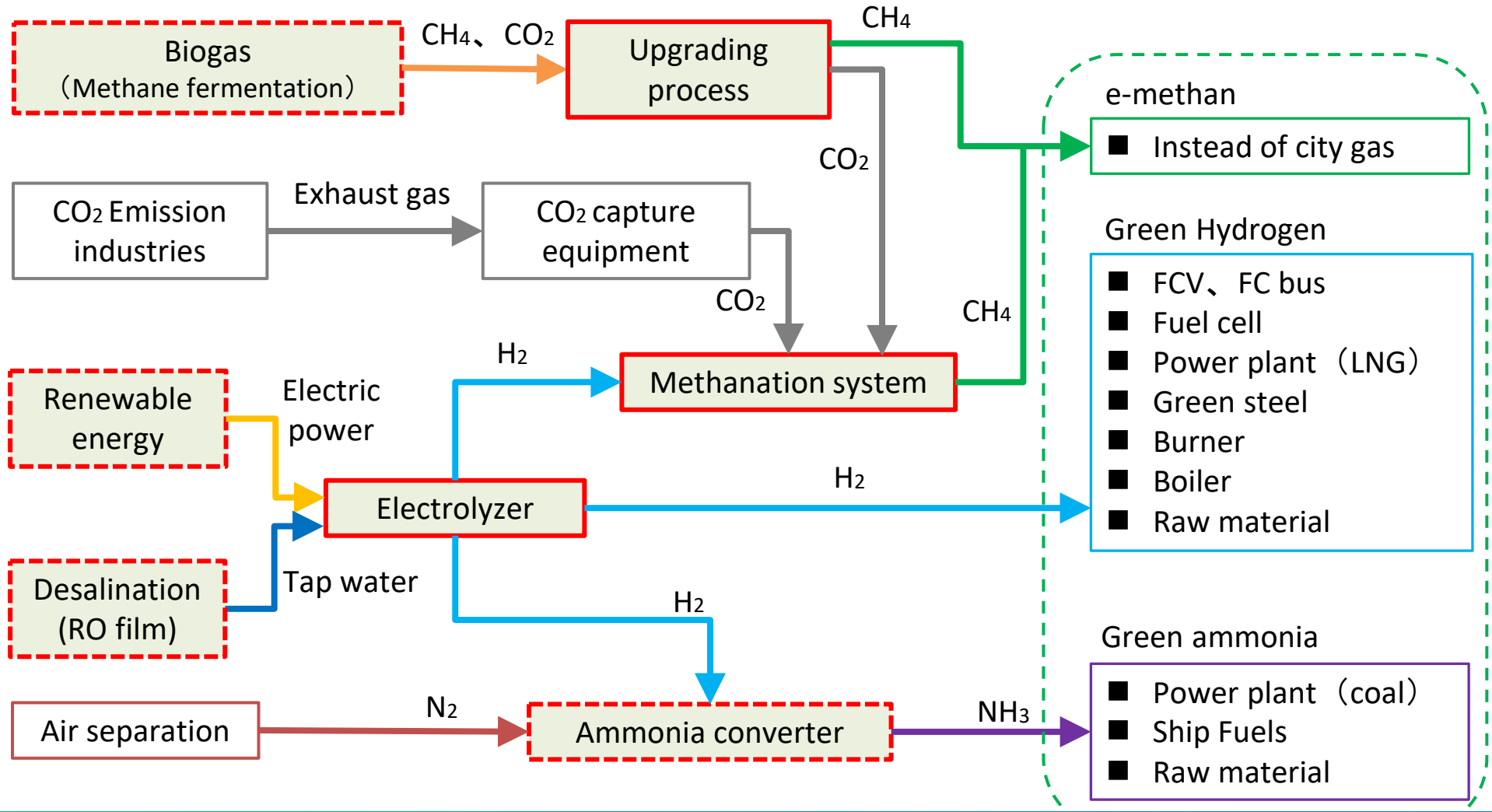
● = Project Site
● = Kanadevia Group office Location

2. Kanadevia's technology for Carbon neutral business

Carbon Neutral Business of Kanadevia group

Kanadevia Group technology

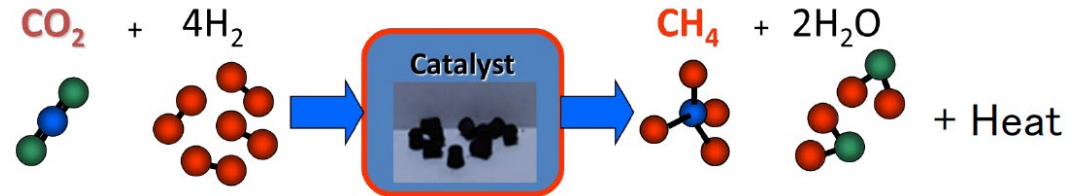
Kanadevia group can propose the solution to achieve carbon neutral, not only single item but also combination of multiple items.



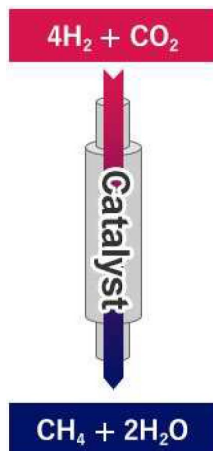
Introduction of Kanadevia Products

Methanation system

HiMethz



- Enhancement green H2 utilization in the form of CH4 (Methane :usable in existing gas infrastructure)
- CO2 effective utilization for carbon recycling



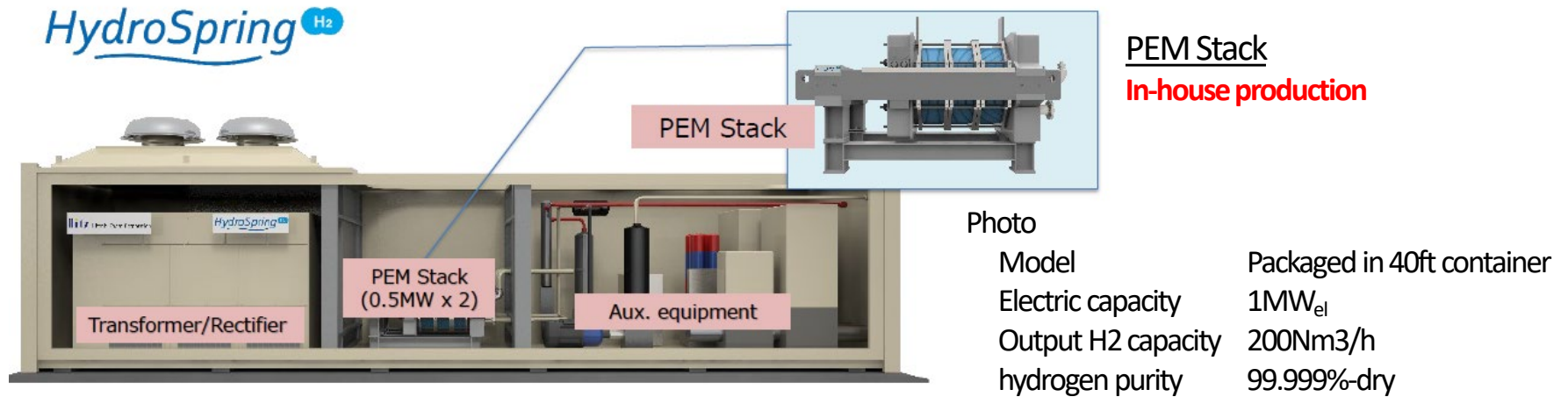
Methanation Catalyst
In-house production

Catalyst Features

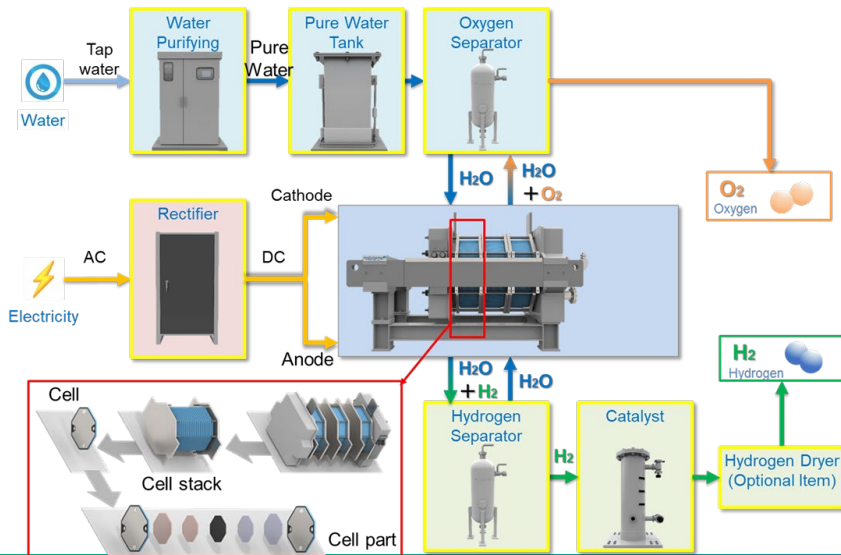
- High Conversion rate at low temperature and ambient pressure
- High Energy Conversion Efficiency
- Convert carbon monoxide into CH4
- Long term durability

Introduction of Kanadevia Products

Electrolyser / PEM type

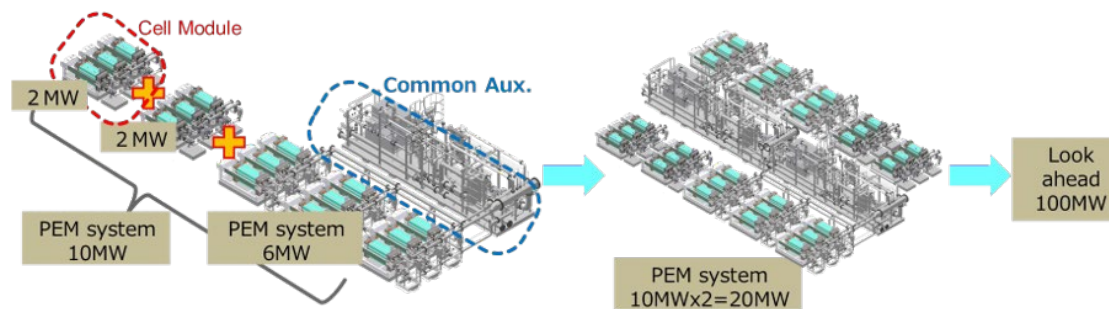


System components and flow



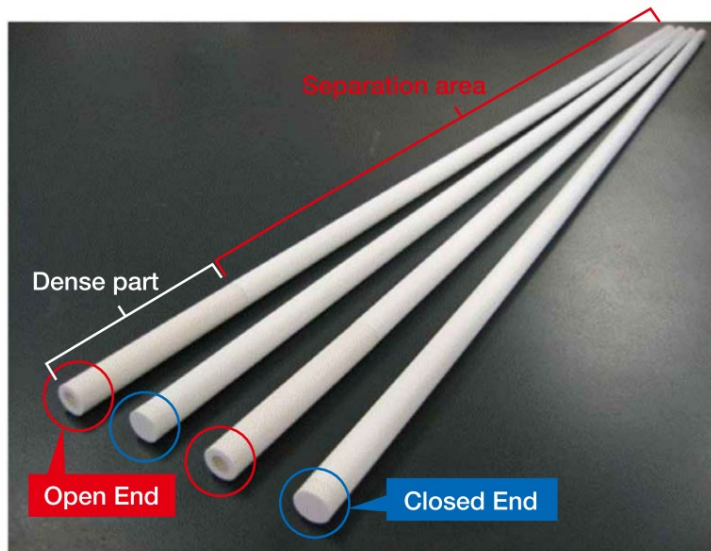
Scale up of PEM with Modular Design

- 6MW H2-system will be configured by 3 nos of 2MW Modular Unit
- A common auxiliary equipment is designed to control 6MW to 10MW PEM system

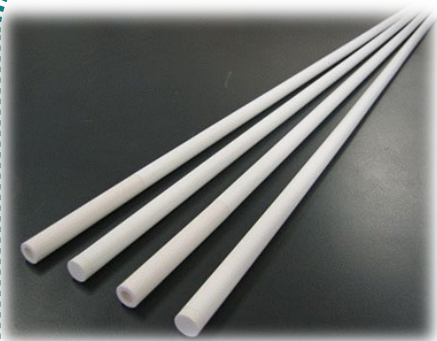
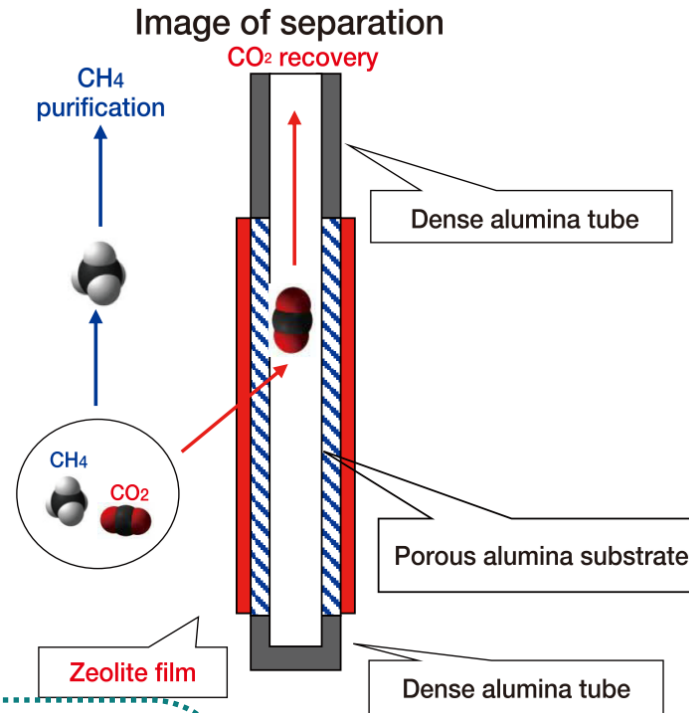


Introduction of Kanadevia Products

CO₂ separation / Zeolite Membrane



Appearance of Kanadevia zeolite membrane
(Outer diameter: 16 mm, Length: 1130 mm)



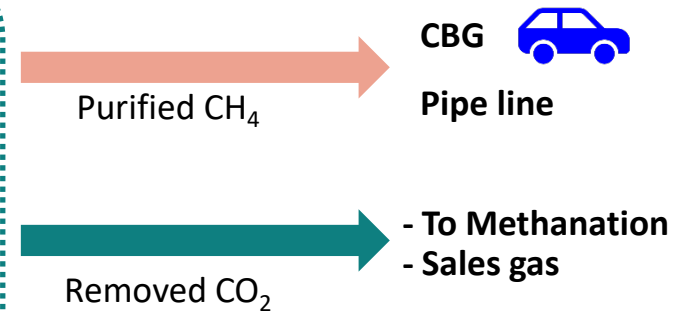
Zeolite membrane



Membrane Module
(10 pieces/unit)



Membrane module assembly



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