



# **Magnesium Hydrogen (Mag-Suiso)**

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## **2022 Green Business Matching**

Tuesday, 20<sup>th</sup> September 2022  
Garuda Room, Ministry of Industry Indonesia Building

Mark Inaoka, President

## Our Products- Magnesium Hydrogen

- Best hydrogen storage material among all metals
- **Solid** -better than -253 °C Liquefied Hydrogen
- Store Hydrogen at **normal temperature** (40-100 °C)
- Easy to carry, store and usage **Safe material**
- **Recyclable** Can sell Convenient store and exchange
- 1,600 kℓ/m<sup>3</sup> produced H<sub>2</sub>, better than Ammonia
- Can utilize water as fuel if we use it for car fuel
- **Best MgH<sub>2</sub> technology**



Among Hydrogen carriers, **Mag-Hydrogen is the BEST!!**

# Our End Products

consumer:

moisturizing cream

Mag Hydrogen bath additive

drinking Mag hydrogen water

Water production equipment

Fuel for automobiles

Industry:

Hydrogen for fuel cells

Hydrogen for laboratory

Mag Hydrogen generator

Hydrogen for metal reduction

Hydrogen gas suction



**Mag Hydrogen  
(Tablet)**



**Magpopo (50W)**



**Hydrogen gas suction**



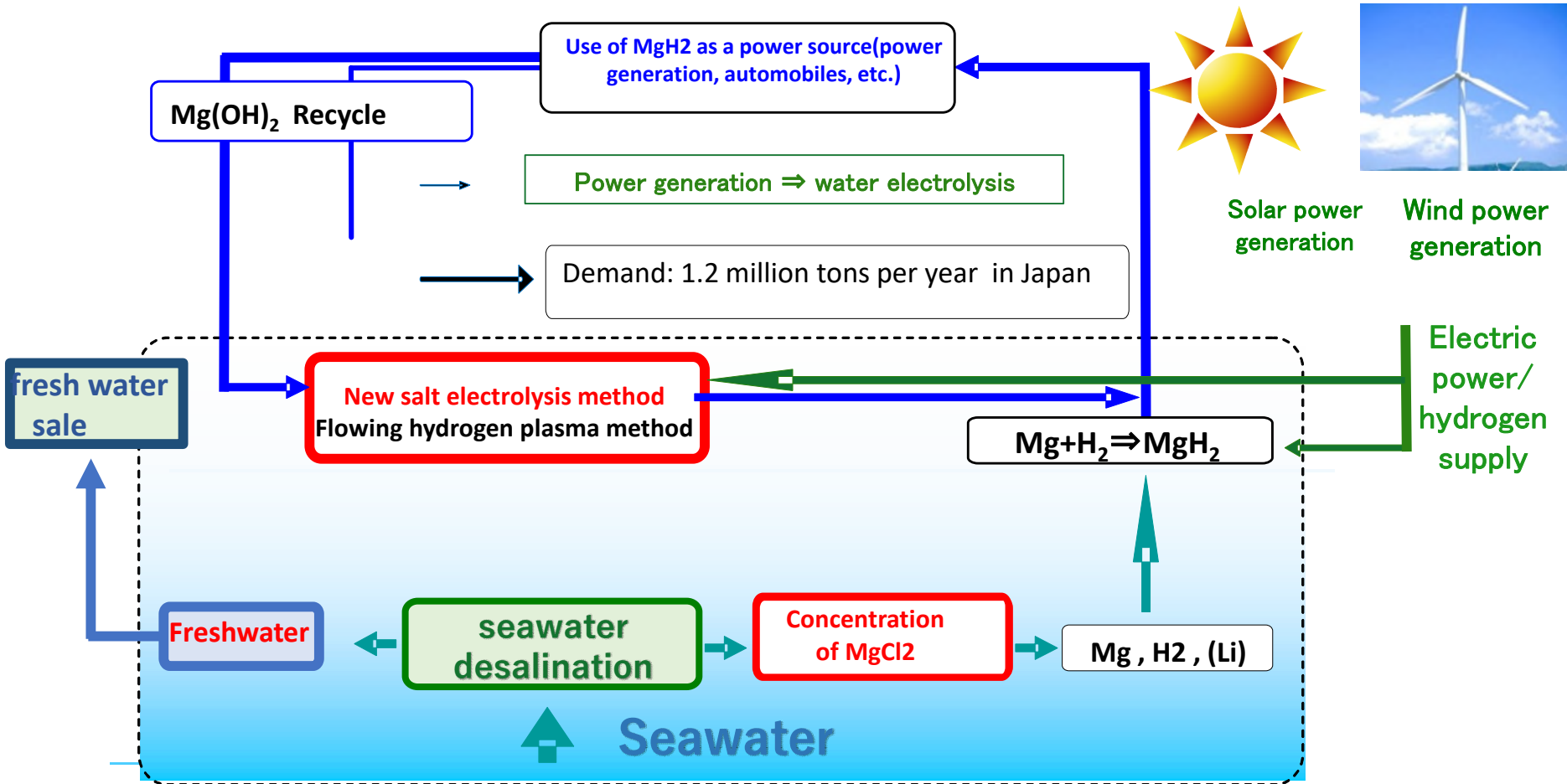
**Mag Hydrogen  
(Powder : 3~80μm)**

## MgH<sub>2</sub> production volume, construction cost and hydrogen price for in-vehicle use

Case	MgH <sub>2</sub> Production (Ton/Year)	Total Construction cost (million dollar)	H <sub>2</sub> Price In-Vehicle (US\$/kg)	
			New Mg	Recycle Mg
Plan	900	25	30	10.5
1	27,000	212	21	7.3
2	270,000	844	7.3	2.5
3	1,000,000	1,728	4.6	1.6

Automotive hydrogen prices should be under \$7.2/kg

# Seawater Desalination Project





# Wanted Business Partners

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**Investors (US\$5 million to \$100 million)**

**Palm Mill Owners who wants to sell Biogas, POME, EFB, OPT**

**Business owners who wants to do seawater desalination**

**Hydrogen producers**

**Green Energy producers (Solar power, Wind power, Hydro power, Wave power, Geothermal, Biomass power generation)**

**GLOBAL-C<sup>®</sup> Corporation**

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## Contact

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