

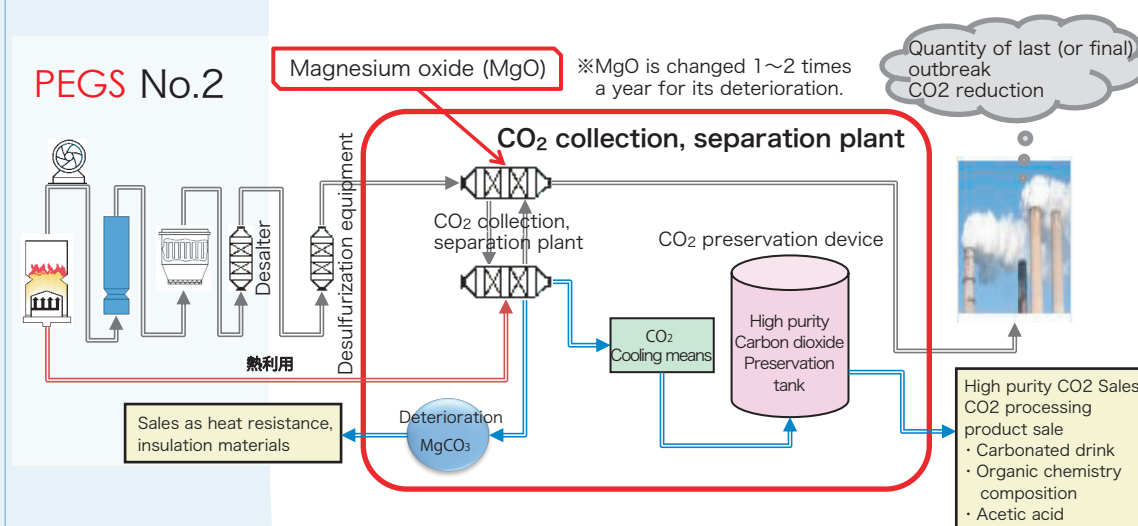
HFD

水素燃料開発 株式会社

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PEGS Japan

What is **PEGS** Japan ?

PEGS is the latest technology of Japan.

Permanent **E**nergy **G**eneration **S**ystem.

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PEGS Japan Technology

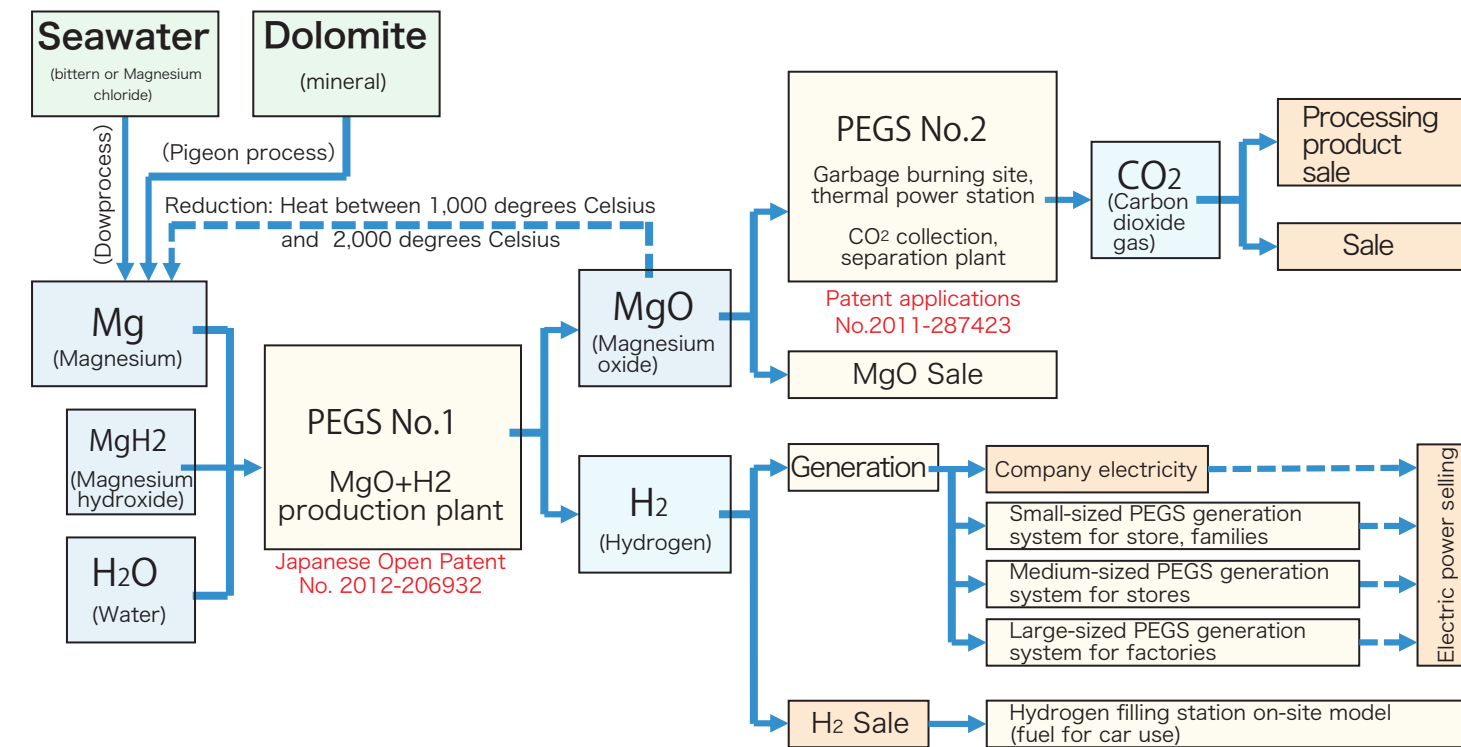
PEGS Japan provides magnesium oxide and hydrogen by an unprecedented method.

PEGS Japan は、今までにない方法で、酸化マグネシウムと水素を製造するシステムです。

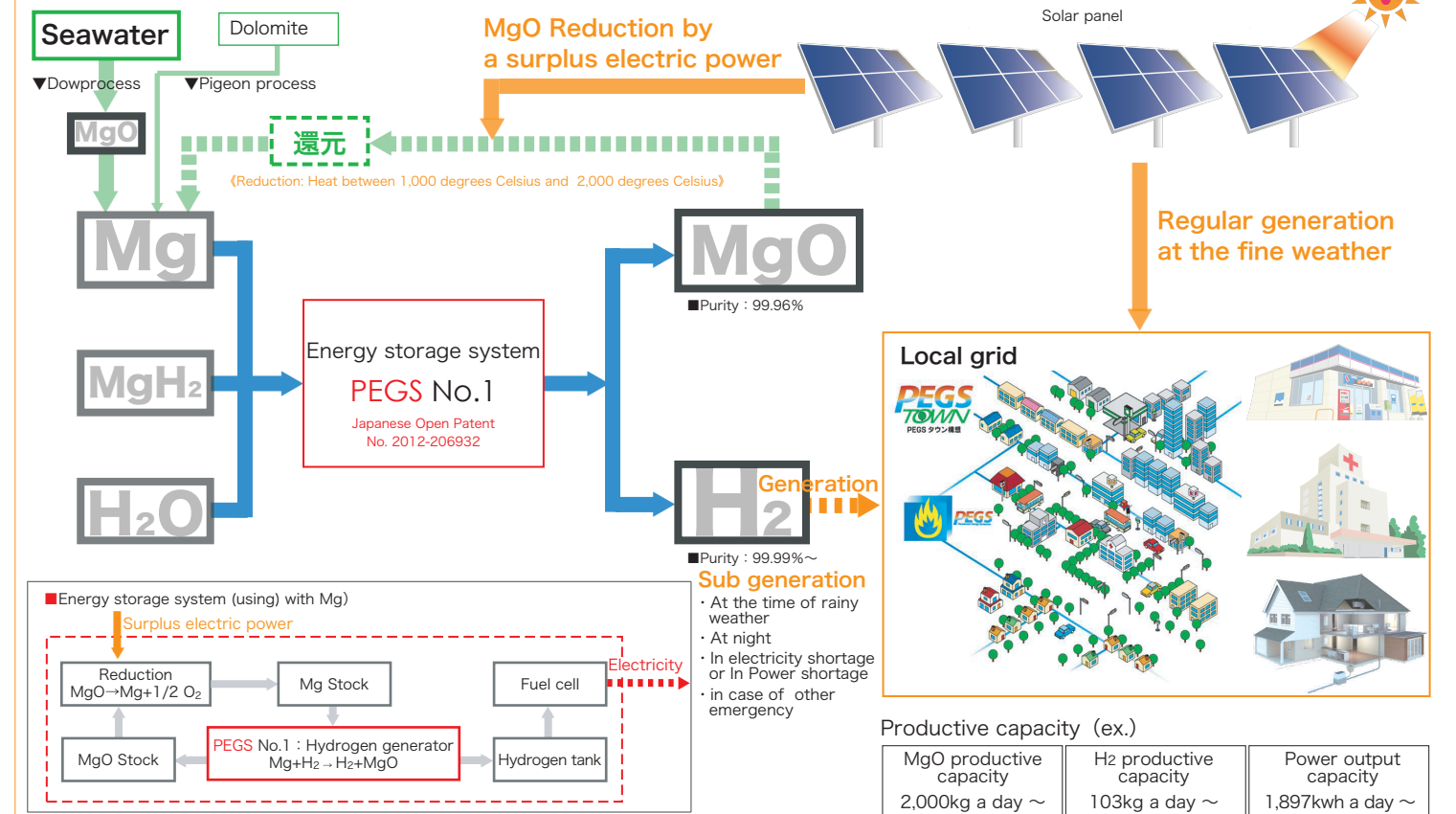
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What is **PEGS** Japan ? **PEGS** is the latest technology of Japan.
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Whole outline



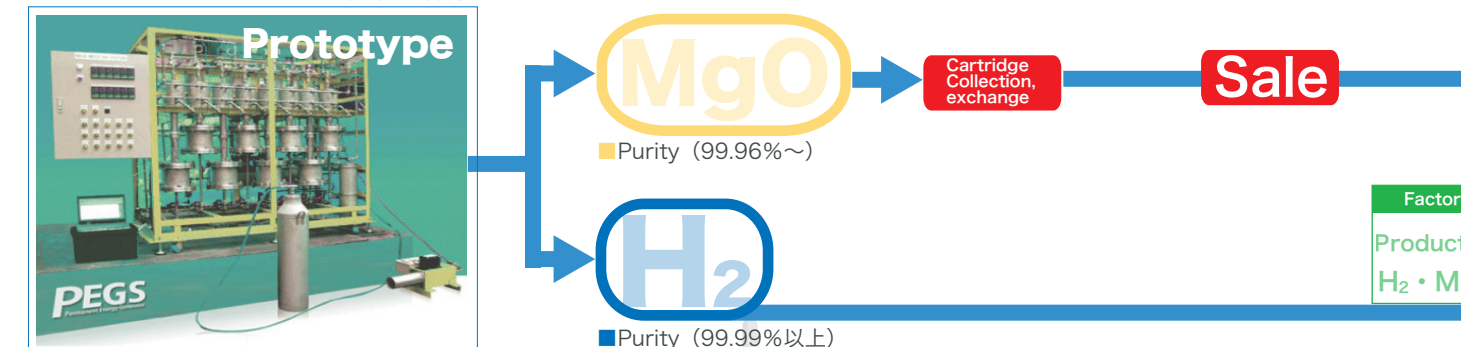
Hybrid generation system



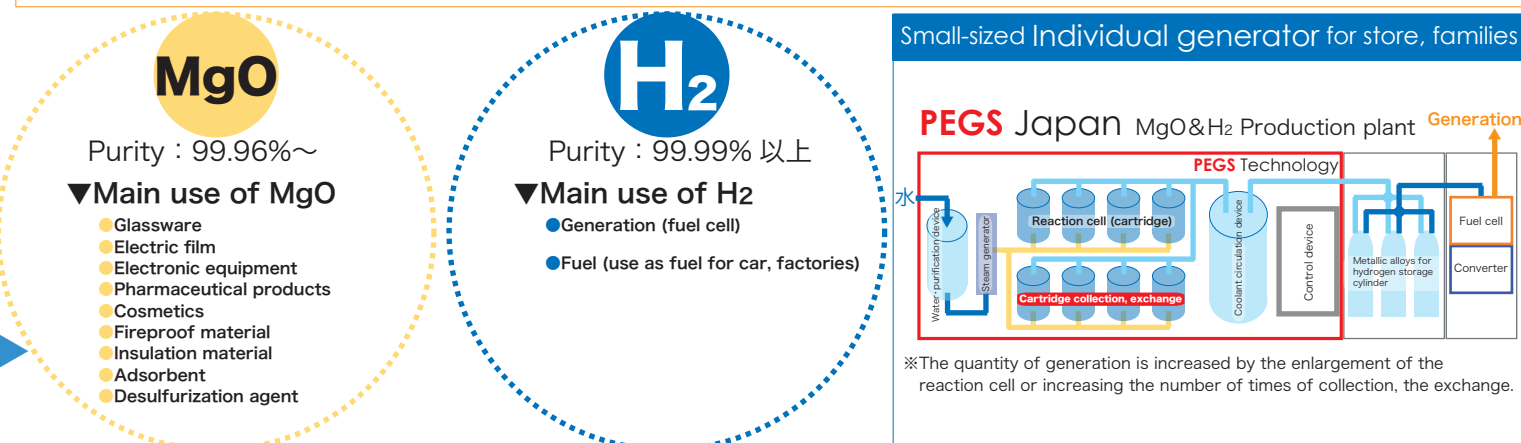
Factory

- Location (or Install) with a large plant in the factory
- H₂ & MgO production
- H₂ : For fuel and generation use
- MgO : Sale as raw materials

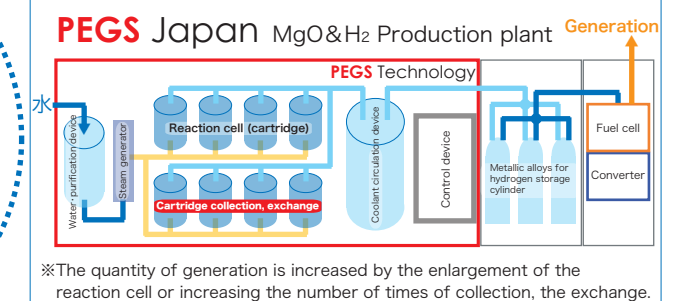
PEGS No.1 Japanese Open Patent No. 2012-206932



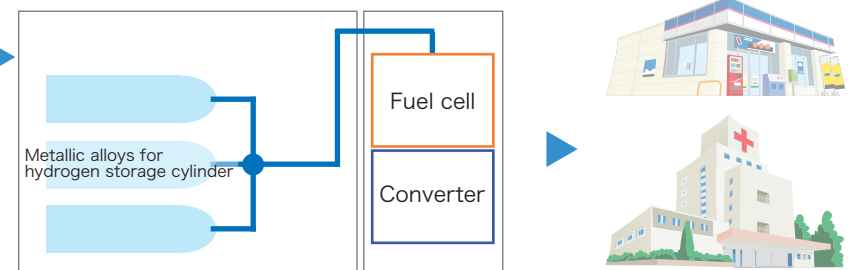
UPS generation at the time of the disaster



Small-sized Individual generator for store, families



H2 Generation system for store, families



[H₂ and MgO manufacturing facility]

- Made H₂ (Hydrogen) fills a tank (Metallic alloys for hydrogen storage cylinder)
- Hydrogen is direct (shipped directly) from a factory

[Supply H₂ in metallic alloys for hydrogen storage; and a generation]

- Generator for generation stores
 - A fuel cell: Hydrogen generation
 - Hydrogen absorbing alloy: UPS function