

# HYDROGEN SOLUTION AT HUNGARIAN GAS STORAGE LTD.

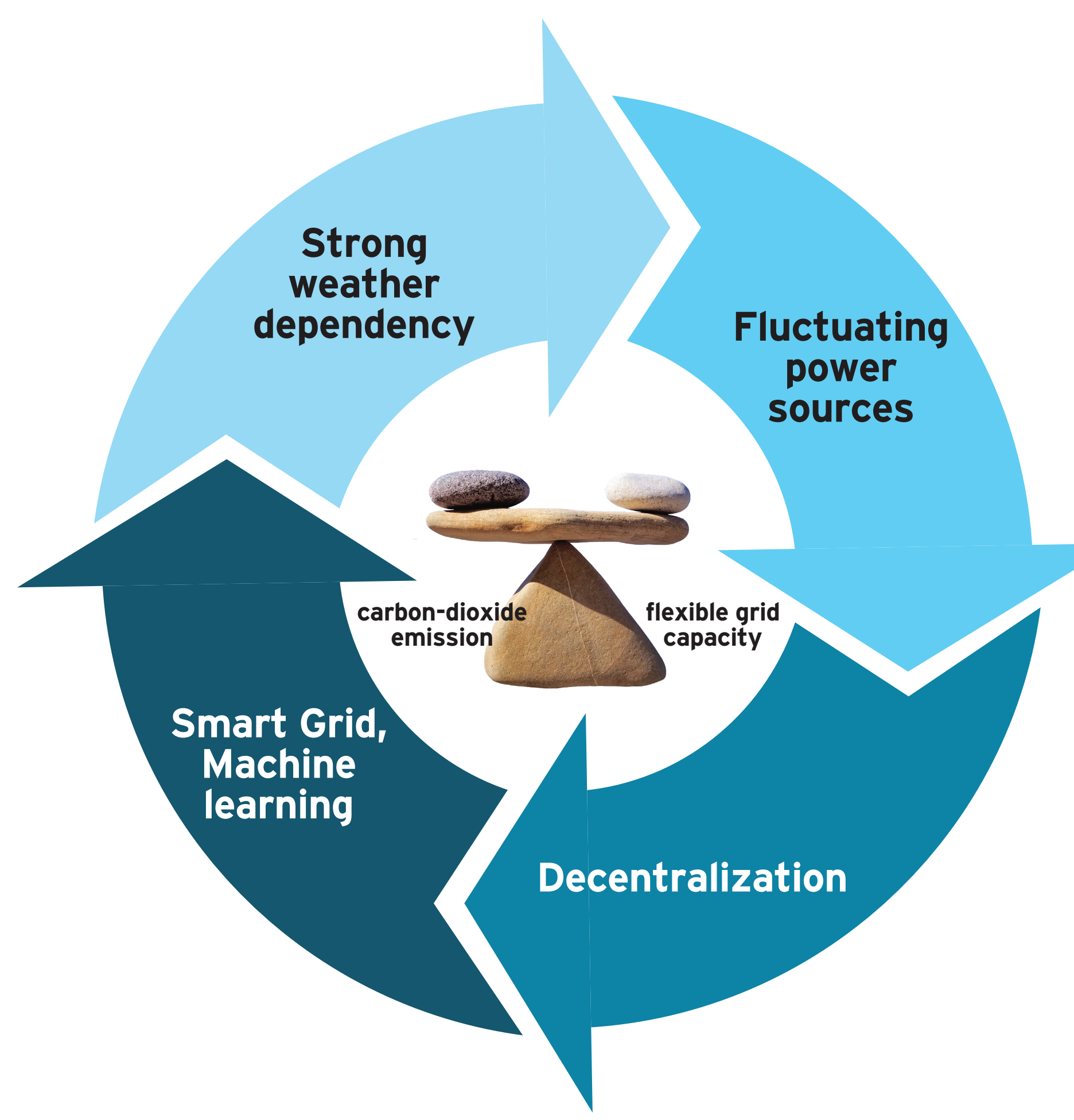
Hungarian Gas Storage Ltd. is committed to play an active role in the decarbonisation process

The most critical cornerstone in the spread of renewable energy sources is how to store surplus energy in an efficient way.

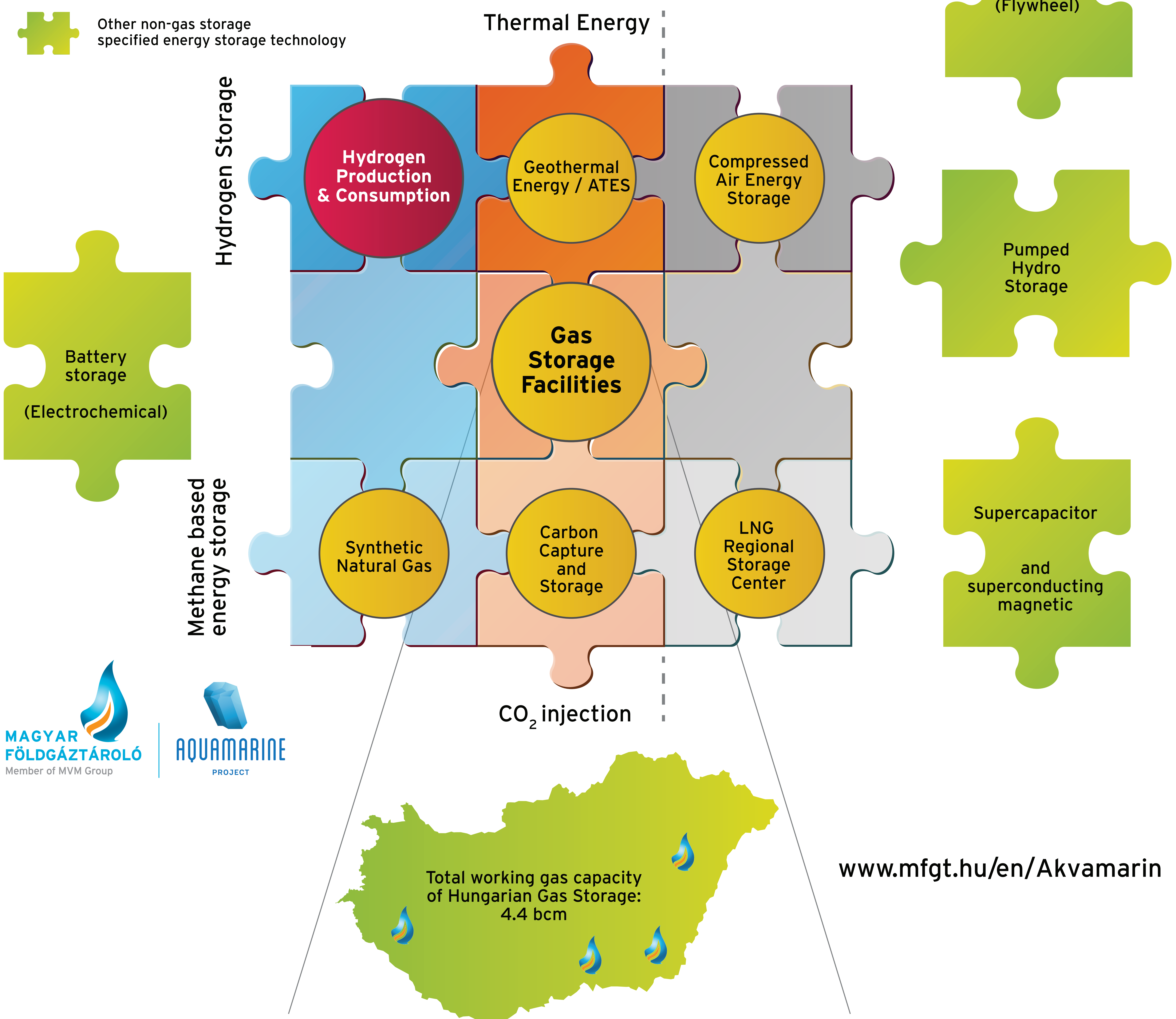
Intermittent renewable electricity generation will require an increasing need for balancing to ensure reliable power supply.

Using the existing gas infrastructure provides cost-effective options for long-term and seasonal energy storage, resulting in significant cost savings for the entire future energy value chain.

Gas storage is the best solution for providing long-term high-volume energy storage.



- Technology prioritized by MFGT
- Other available natural gas technology in Hungary
- Gas storage technology in other countries
- Other non-gas storage specified energy storage technology

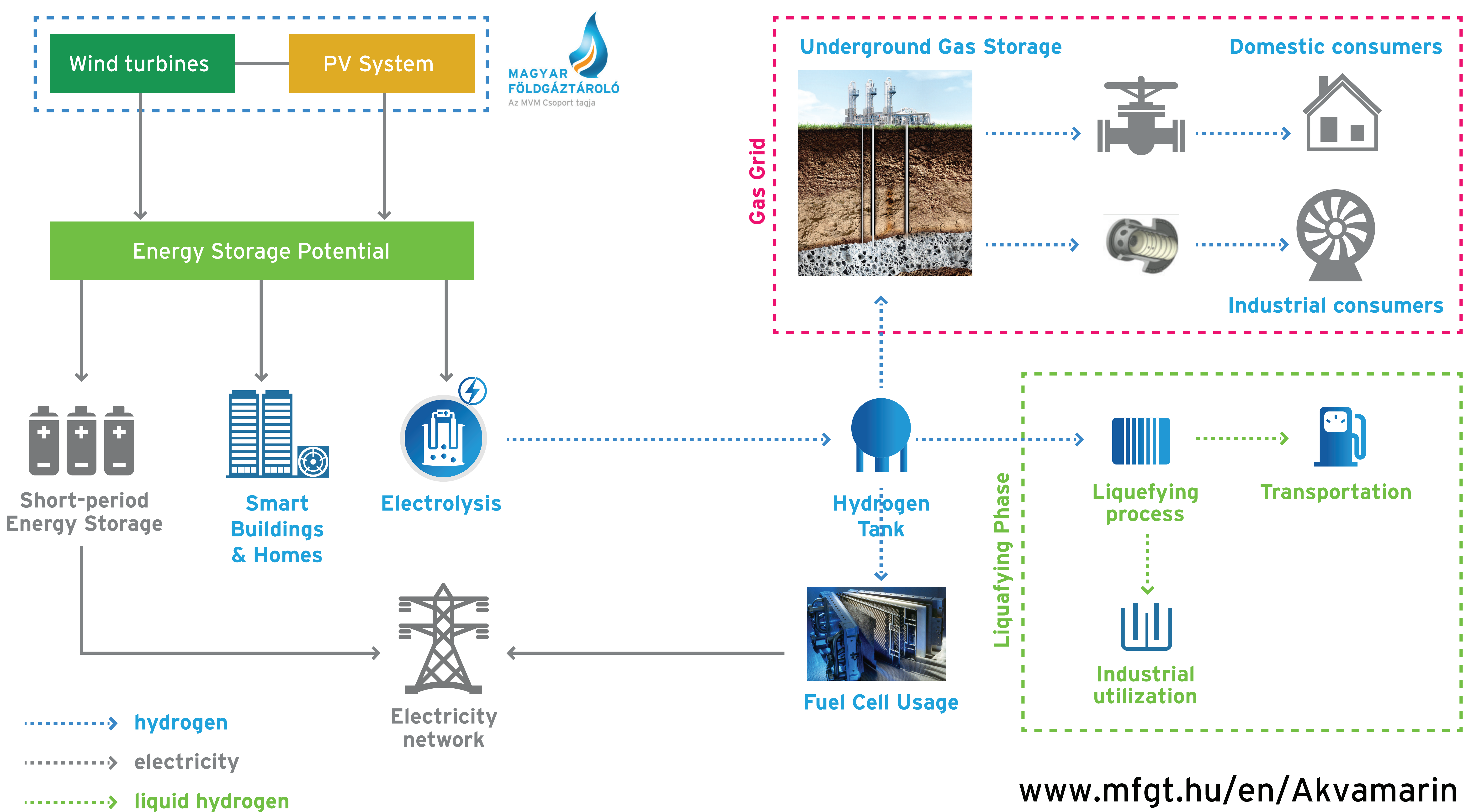


[www.mfgt.hu/en/Akvamarin](http://www.mfgt.hu/en/Akvamarin)

## According to the Project of Hungarian Gas Storage:

After production of Hydrogen with PEM-electrolysis, hydrogen-enriched natural gas could partially replace the own gas consumption of the storage sites in Hungary. Furthermore, hydrogen-enriched natural gas can be injected into the natural gas grid supplying end-users.

Future possibility for development: synthetic methane



[www.mfgt.hu/en/Akvamarin](http://www.mfgt.hu/en/Akvamarin)