

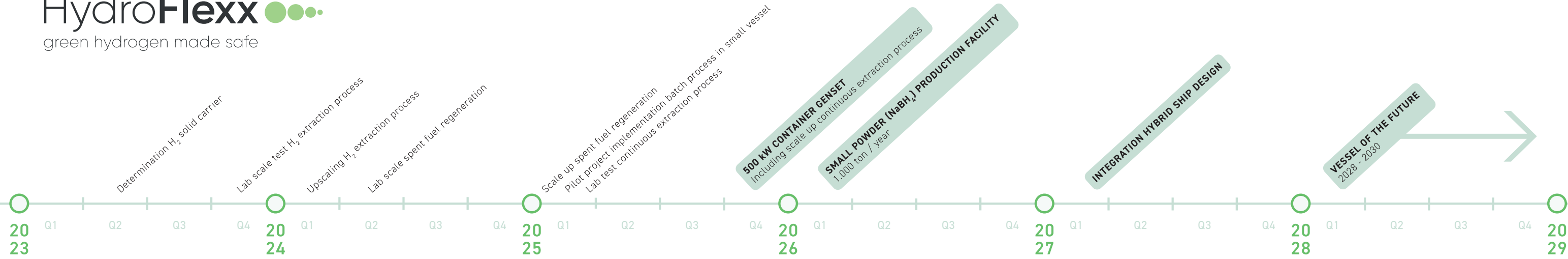
# HydroFlexx

green hydrogen made safe



Safe Hydrogen carrier with an energy density similar to HSFO

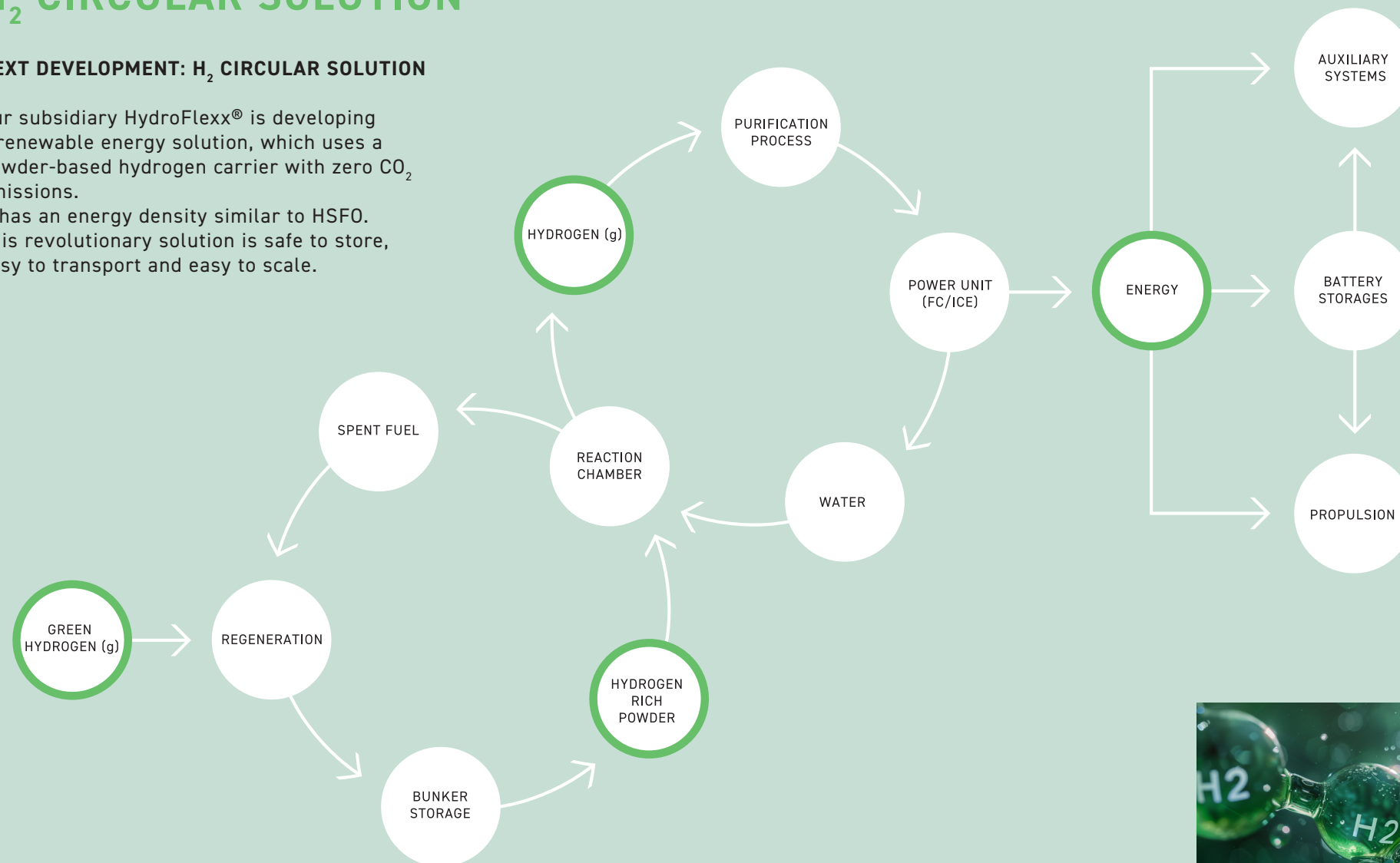




## H<sub>2</sub> CIRCULAR SOLUTION

### NEXT DEVELOPMENT: H<sub>2</sub> CIRCULAR SOLUTION

Our subsidiary HydroFlexx® is developing a renewable energy solution, which uses a powder-based hydrogen carrier with zero CO<sub>2</sub> emissions. It has an energy density similar to HSF0. This revolutionary solution is safe to store, easy to transport and easy to scale.

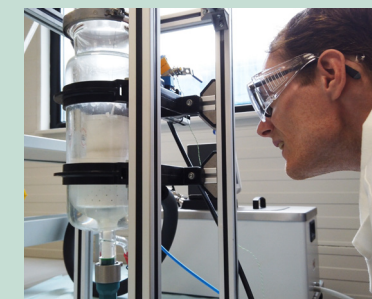


### HOW IT WORKS:

We are extracting hydrogen from a solid powder. The hydrogen-rich powder is mixed with water, which reacts in a reaction chamber. The hydrogen released from the process can be used by a fuel cell or internal combustion engine. We will ensure the purity requirements are met. The energy created from this process can be used for main propulsion on a ship, charging a battery or auxiliary systems. The spent fuel is stored in the same bunker as the hydrogen-rich powder. By compartmentalizing the storage, we provide an efficient and space-saving solution. The spent fuel is collected and re-used in the recycling process, making this a sustainable and cost-effective solution.

### SIX WAYS YOU BENEFIT:

- High energy density storage, similar to HSF0
- Zero CO<sub>2</sub> emissions
- Exothermic reaction
- Non-toxic
- Safe to store, handle and transport
- Existing worldwide infrastructure



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member of:

**FlexxGroep**  
the power of powder

[www.flexxgroep.com](http://www.flexxgroep.com)