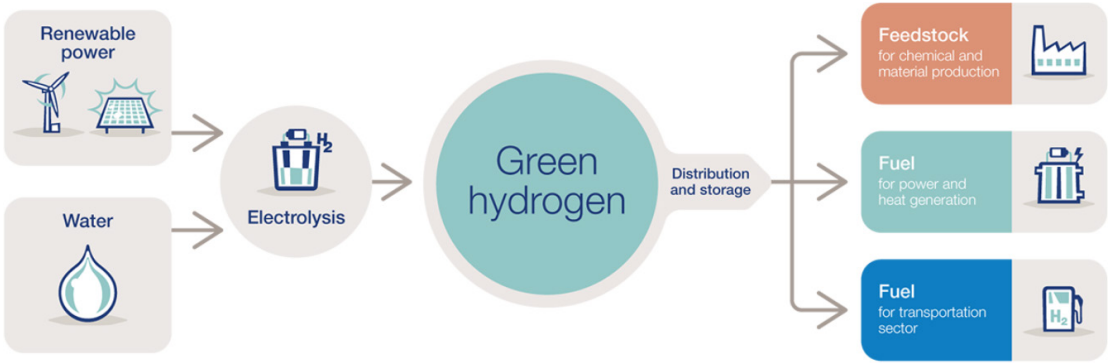
Alfa Laval's energy-efficient electrolyser solutions

Maximizing hydrogen utilization

How clean hydrogen is produced:

Using an electrolyser, where renewable electricity splits water molecules into hydrogen and oxygen.



How clean hydrogen is used:

As a feedstock for chemical and material production, a fuel for power, and heat in both industrial scale and decentralized solutions. It can even be used in fuel in heavy transportation.

Alfa Laval offers energy efficient and scalable solutions for all electrolyser technologies, including PEM, Alkaline, and Solid Oxide, using global manufacturing capabilities to maximize hydrogen utilization.

Our heat transfer technology assists in multiple processes:

- Cooling electrolytes & gases
- Recovering excess heat
- Balancing plant operation

Our products are designed to meet the heating and cooling needs of the hydrogen value-chain including:

- Fuel cell development
- Hydrogen refuelling
- Industrial plant balancing

Our freshwater generation technologies assist in:

- Reusing excess heat
- Converting seawater or river water into pure water