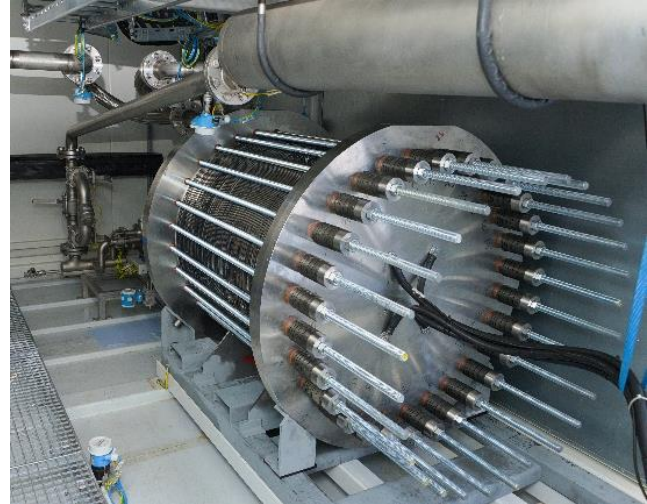


Extension PtG electrolysis

Description:	Increase in performance and expansion to two stacks
Technology:	Alkaline pressure electrolysis
System pressure:	16 bar
Electrical power:	Expansion from 300 kW _{el} to 2 x 500 kW _{el}
Hydrogen quantity:	approx. 200 Nm ³ /h



Special features/scope:

- Adaptation of entire BoP to increased power and two stacks that can be used separately or simultaneously usable stacks, i.e.
 - Integration of additional rectifier & transformer
 - Construction of separate caustic circuits per stack (pumps, piping, fittings, etc.)
- Modification gas separator
- Adaptation / Extension Sensors & Actuators
- Software adaptation / extension (Siemens PCS7)



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