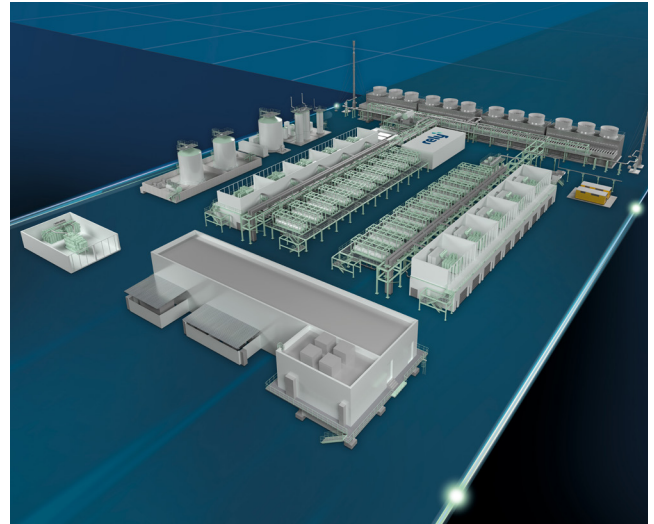


Clear100+

Reach your destination with Rely Green Hydrogen Configurable Productized Plant

FEATURES

- **Standardized** full-plant design with adaptable features
- **Proven pressurized alkaline technology** over decades
- **Optimized and compact design**
- **Flexibility:** suited to multiple industries, applications, and environments
- **Seamless Integration** of the electrolyser into the balance of plant.
- **Simple control and operation:** Fully-automatized plant with low manned plant
- **Supply security**
- **Inhouse engineering**
- **High availability of the plant** – 96% uptime
- **Safety-by-design** – onboarding all HSE requirements



SPECIFICATIONS

as follow:

	Rated plant power	100MW (5MW X20)
Performance	Hydrogen Flow (at peak)	1,800kg/h
	Hydrogen Purity (after purification)	99.97%
	Hydrogen Pressure after PDU	15barg
	Start-up Time	<15 minutes*
	Plant efficiency	51.17 kWh/kg**
	Standard operating range	15% - 100%
	Plant availability	96% (included planned maintenance)
	Plant design life	25 years
Physical / Environmental	Installed footprint – Core Product	10,000m ² ou 1 ha
	Installed footprint – Balance of site	12,000m ² ou 1.2 ha
	Sound pressure level	85 dBA (at 1meter from equipment)
	Ambient temperature	-20°C to + 40°C (wider temperature range optional)
Other	Compliance	ISO22734:2019, IEC, NFPA-2, ASME, European Directives

*start-up after stand by

**with P-series product line from John Cockerill Hydrogen (stack efficiency DC: 4.38kWh/Nm³)