

Rely launches Clear100+, its green hydrogen configurable productized plant

Brussels, June 19, 2024. Rely, a joint venture created in November 2023 by Technip Energies and John Cockerill, launches Clear100+, a configurable productized plant dedicated to large-scale production of green hydrogen. With its singular product approach, Rely enables a significant reduction of both CAPEX & OPEX and drives down the Levelized Cost of Hydrogen (LCOH) by offering the market a safe and configurable pre-engineered plant with integrated performance guarantees, optimized footprint and reduced lead time. Clear100+ incorporates proven technologies, notably John Cockerill Hydrogen's pressurized alkaline electrolyzers.

Clear100+ consists of a standard 100MW green hydrogen production plant, integrating John Cockerill Hydrogen pressurized alkaline electrolyzer stacks with process treatment units, pre-assembled for installation. Beyond advantages of its cost-effective design, this integrated productized plant allows for the full safety of operations, a compact footprint and an enhanced maintainability.

With Clear100+, Rely enables its industrial and energy customers to reach their destination towards their decarbonization goals, guaranteeing them a large-scale supply of accessible, reliable, safe and affordable green hydrogen.

Damien Eyriès, CEO of Rely, commented: *"A few months only after our official creation, we are proud to launch Clear100+, our first productized plant. With this 100MW green hydrogen product, we provide the market with a solution that is quick to implement, reliable, safe, configurable and, overall, that will contribute to make the green hydrogen affordable. Rely capital structure, bringing together a world leading engineering and technology actor and the technological leader in alkaline electrolyzers, makes us the unique player to be able to offer to our customers such an integrated solution, guaranteeing simultaneously high performance and permanent access to the most innovative technologies. With Clear100+, we are committed to pave the way for our clients to reach their decarbonized destination."*

Clear100+ Guaranteed Performances

- Hydrogen Flow (at peak): 1,800 kg/h
- Hydrogen Purity (after purification): 99.97%
- Hydrogen Pressure after PDU: 15 barg
- Start-up Time: <15 minutes*
- Plant efficiency (at peak load): 51.7 kWh/kg**
- Standard operating range: 15% - 100%
- Plant availability: 96% (including planned maintenance)
- Footprint: 22,000 m² (incl. core product of 10,000 m²)
- Plant Design life: 25 years
- Sound pressure level: 85 dBA (@1meter from equipment)
- Pre-FID Lead Time: within 5 months
- EPC Lead Time: 29 to 31 months

* Start-up after stand-by

** with P-series Product Line (Stack efficiency DC: 4.38 kWh/Nm³)

About Rely

Rely is a leading technology integrator and service provider that specializes in integrated, innovative, and competitive solutions for the production and use of green hydrogen and its derivatives. Our solutions bridge the gap between green electrons and molecules and contribute to decarbonizing hard-to-abate industries and transportation. We provide end-to-end services, from feasibility studies to project execution and operations, including innovative products and technologies. Rely leverages more than 100 hydrogen specialists worldwide and a secured supply chain of electrolyzers. Registered and headquartered in Brussels (Belgium) since November 2023, Rely is 60% owned by Technip Energies and 40% by John Cockerill. www.relysolutions.com #BridgeTheGap

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