Elyzer plant

100 MW electrolyzer reference plant

Factsheet

omterra

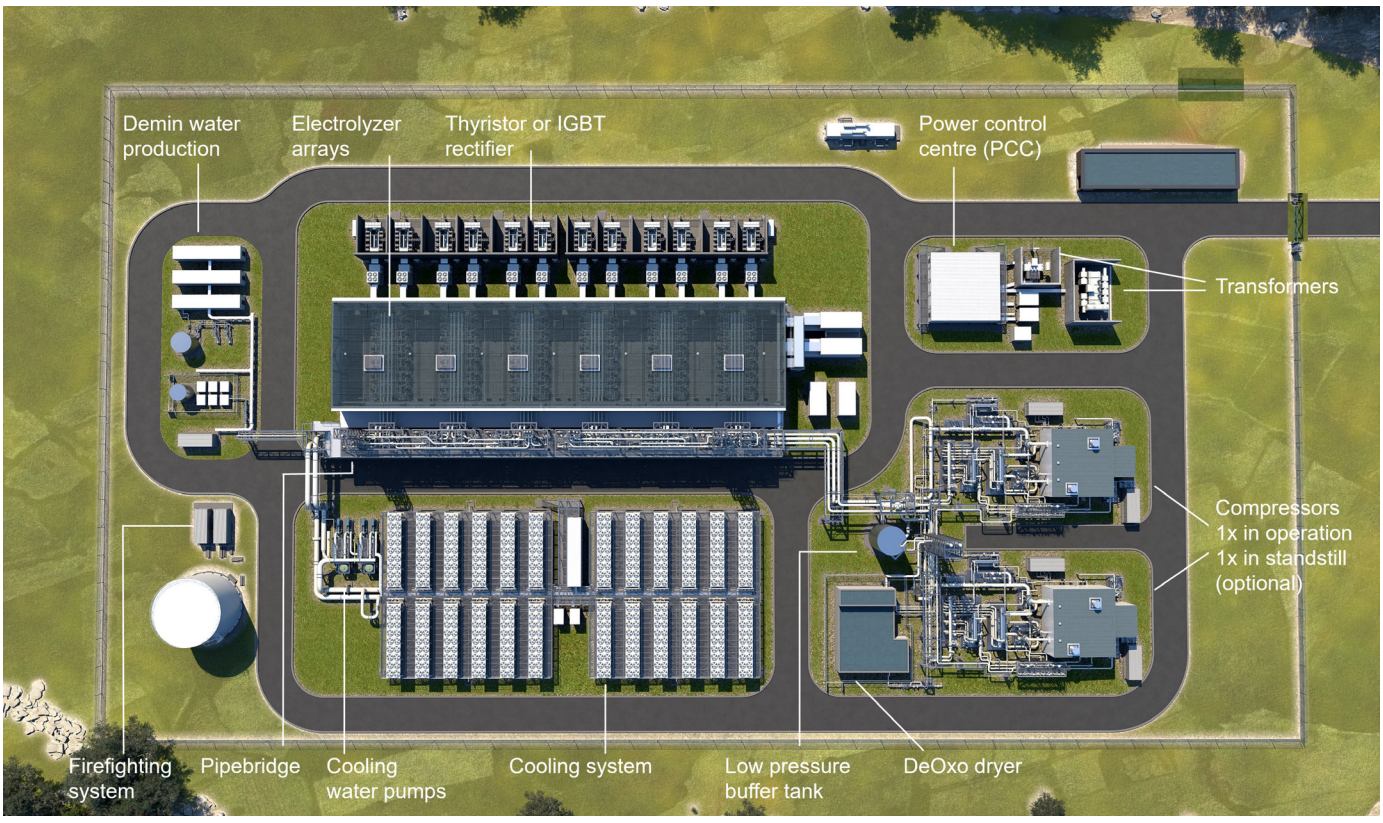
Everything from one hand, from electrolyzer system to full turnkey

Experience is key in designing and building best-in-class electrolyzers and plants:

- Reliable and efficient in-house Proton Exchange Membrane technology
- Gigawatt-scale series production of electrolyzer stacks
- Experience in completing large-scale projects – customized to your requirements
- Know-how in designing and optimizing electrolyzer plants – modular and easy-to-install for a fast and smooth delivery

We are offering integrated solutions with our breadth and depth of expertise in electrolyzer and compression technology, grid connection, project execution, and service – globally:

- Over 330.000 operating hours of electrolyzers
- Global service with over 11 000 employees
- Over 2500 hydrogen compression units in the field
- Almost 400 complex large-scale projects delivered

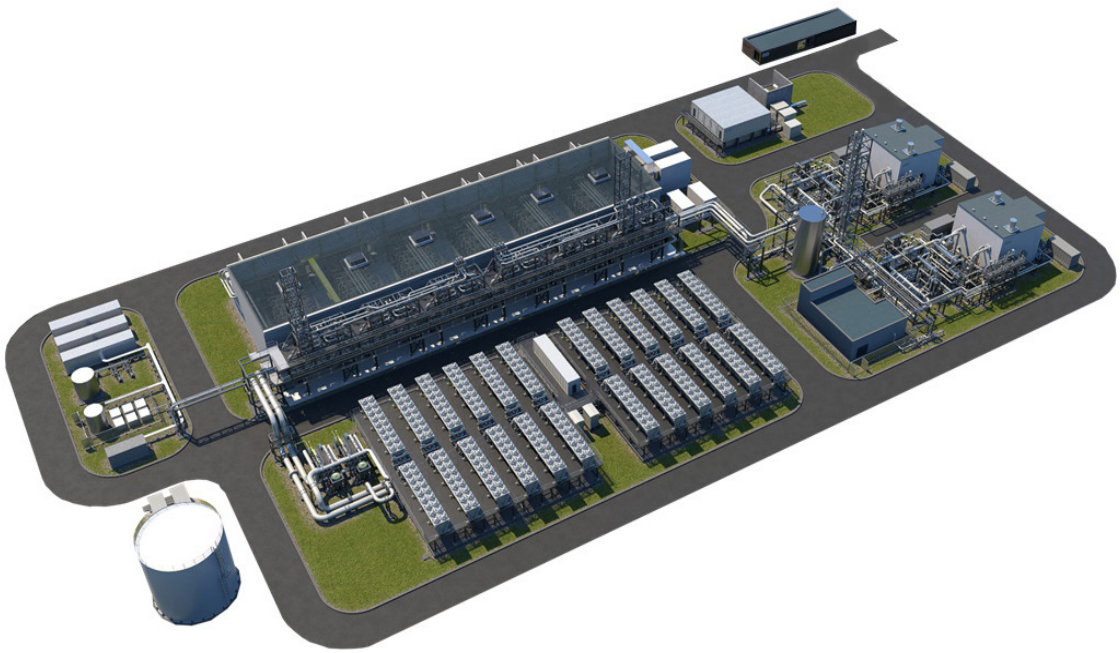


Facts and figures

Plant power	~ 110 MW
Hydrogen production	~ 2,000 kg/hour
Dry gas quality	99.9999%
Demin water consumption	~ 10 l/kg H_2

Pressure	30 bar
Total electrolysis plant space	
With thyristor	186 m x 90 m
With IGBT	186 m x 96 m

» **serving as a basis for customization like pressure, cooling, scale, etc**



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