

European Cryogenic Days 2023



Cryogenic equipment for SIS 100

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It's all about Cryogenius.

Content

- Company background
- Project SIS 100
- Summary

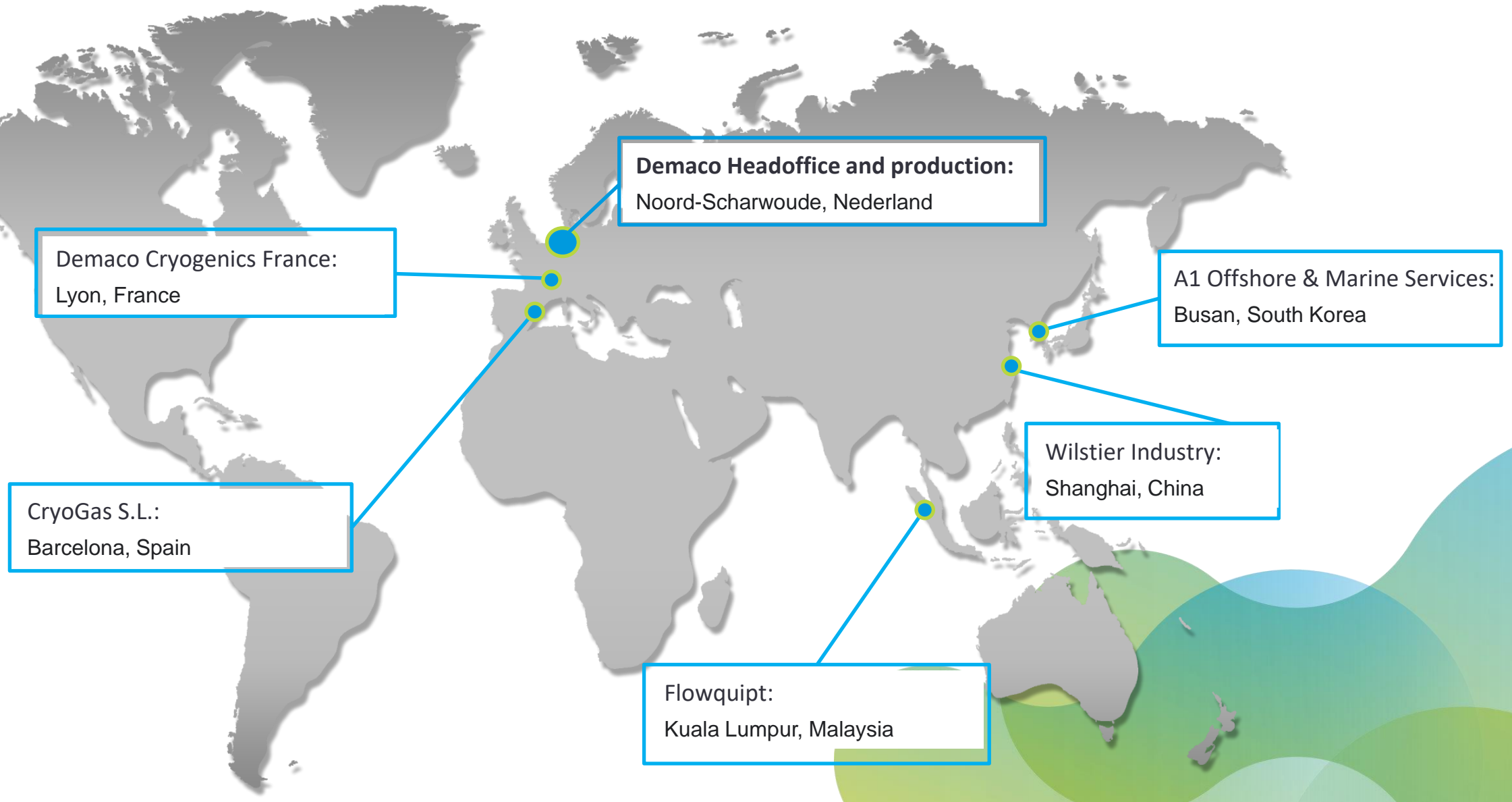


Demaco Holland B.V.



- Founded in 1960
- **Cryo equipment since 1985**
- 150 employees
- 9000 m²
- ISO 9001 (Quality)
- ISO 3834 (Welding)
- SCC ** (Safety)
- PED H & H1
- DNV

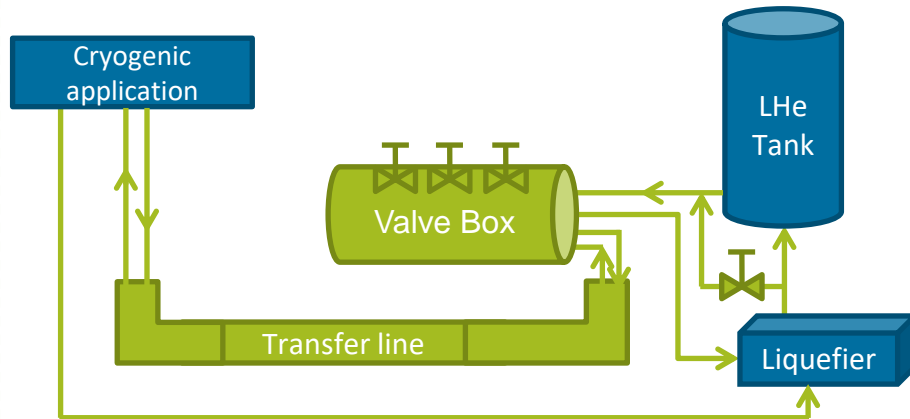
Location's



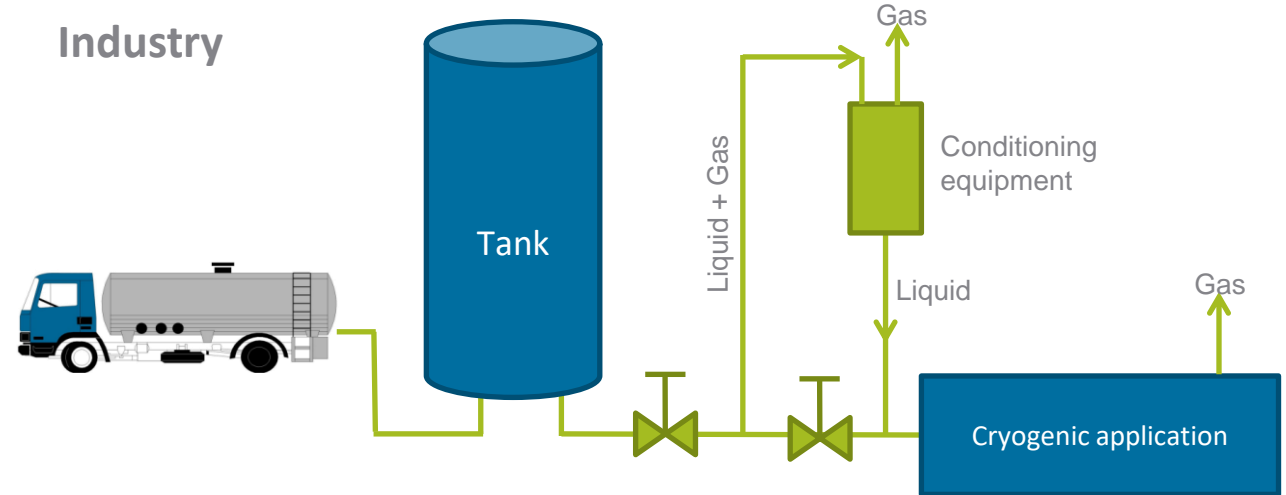
Business and benefits



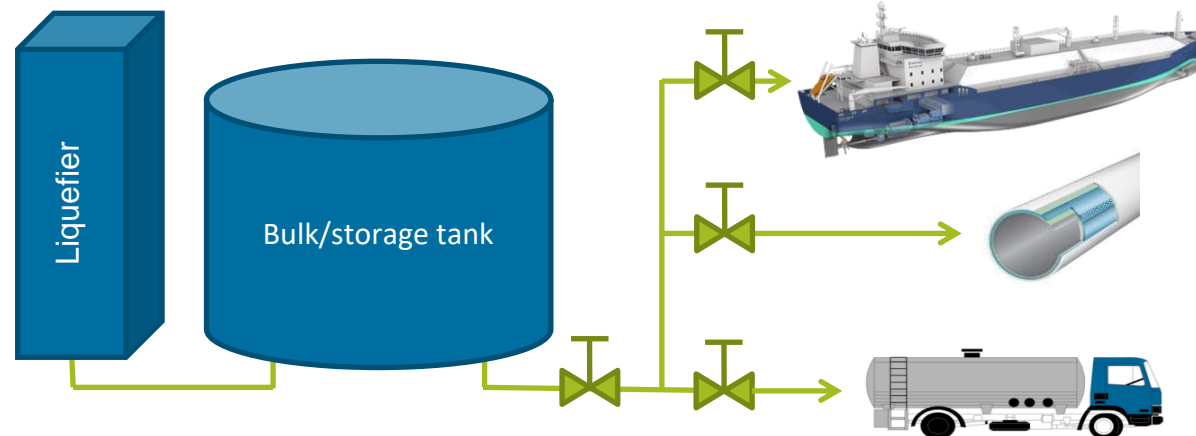
Science



Industry



Hydrogen



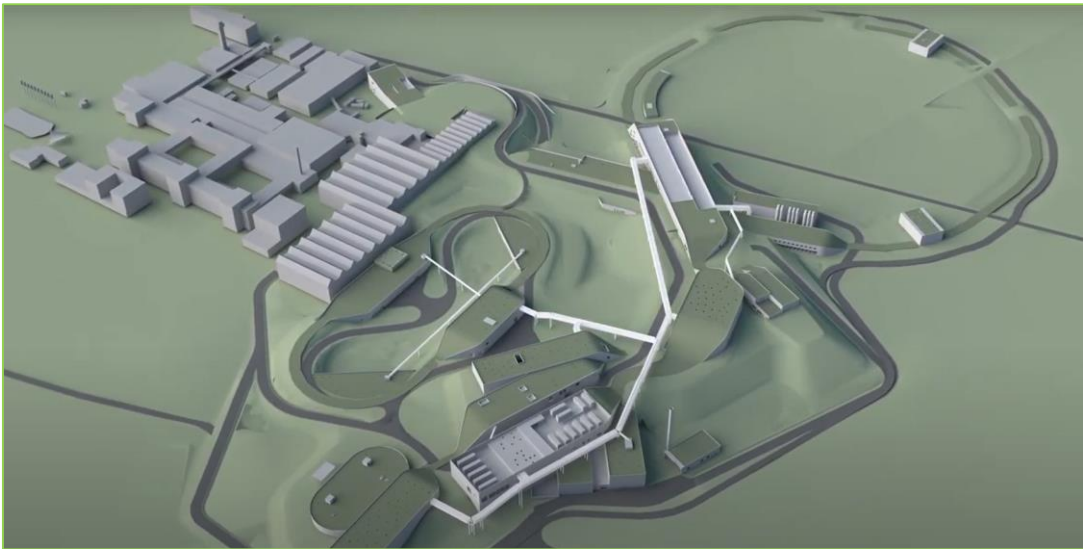
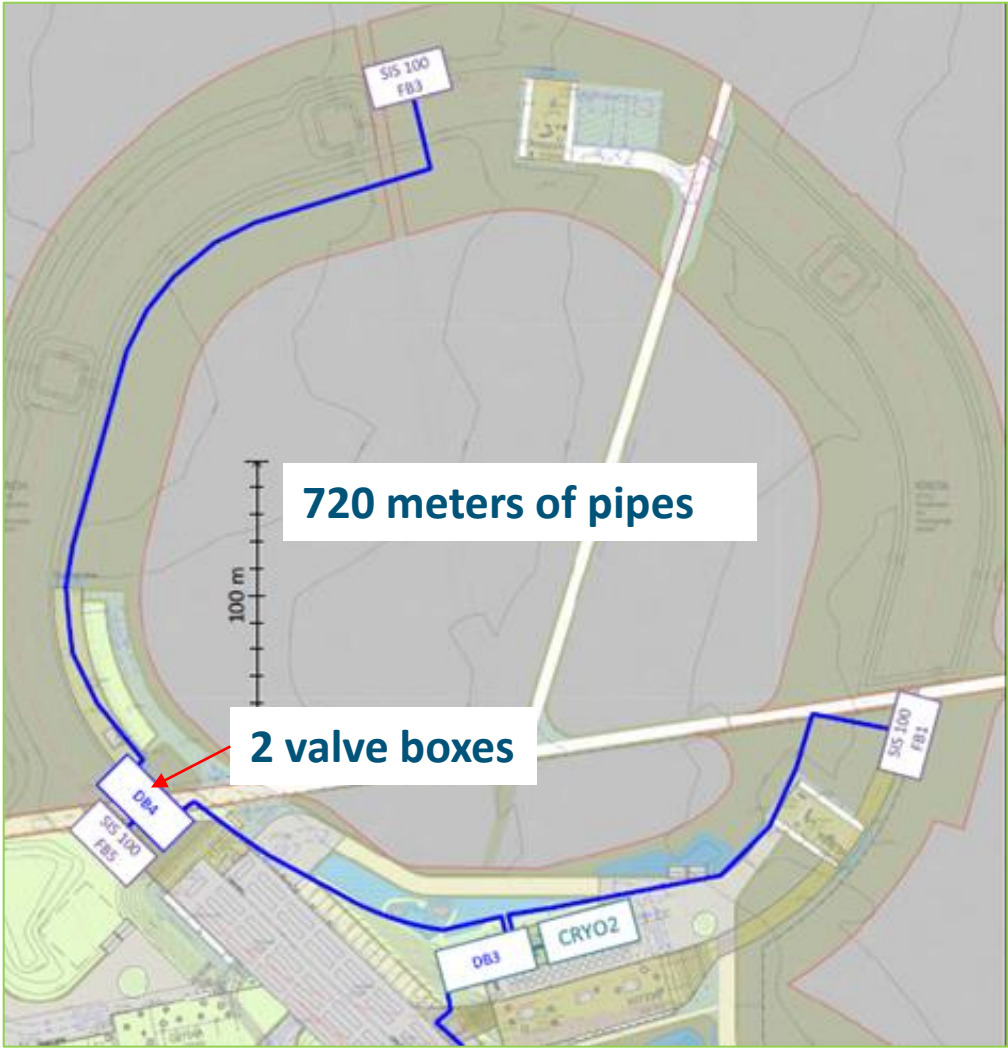
Customer benefits:

- Engineering - **your individual solution**
- Demaco's **handling of complex projects**
- **Lowest energy costs** with our vacuum technology
- **Installation** by our experienced team
- **Lifetime of 25 years and more**

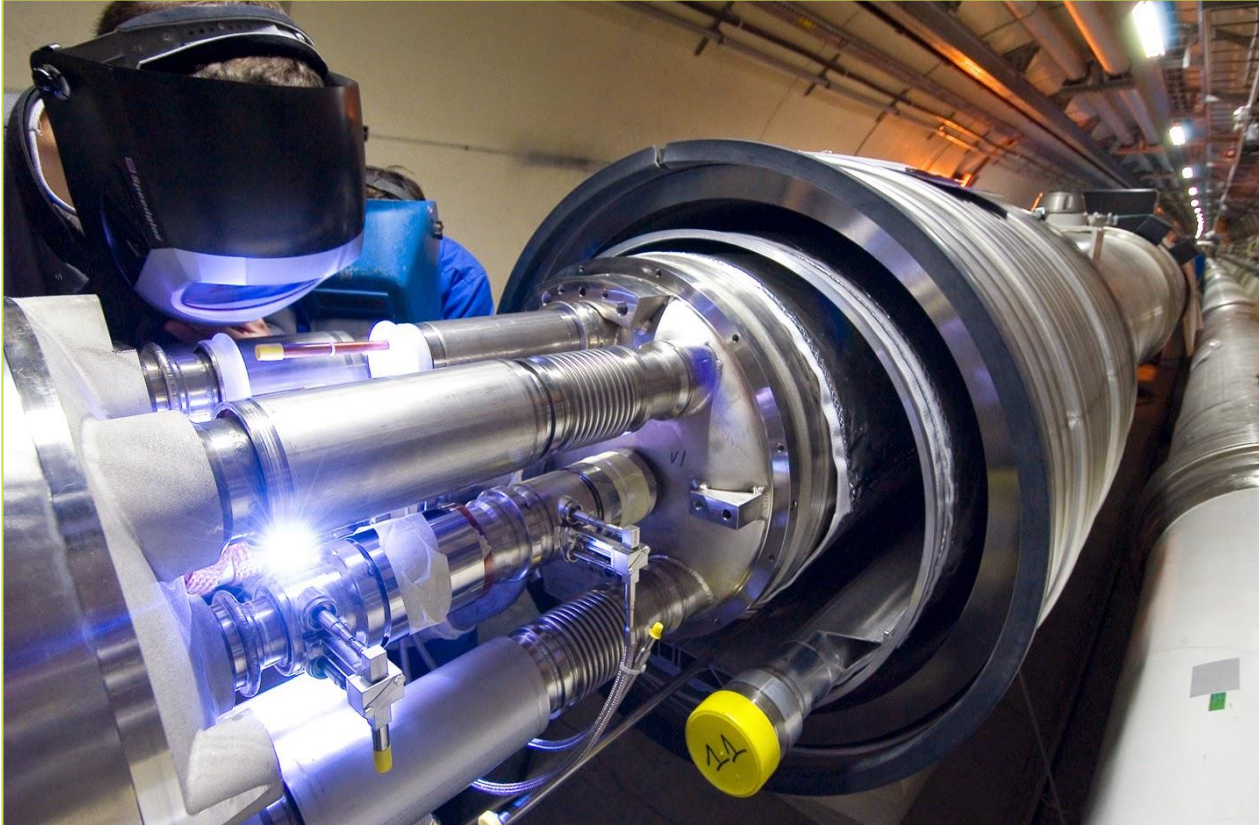
The background of the slide features a 3D rendering of a cable management system. It shows various cable trays, conduits, and bundles of cables in white and orange, arranged in a complex, organized manner. The rendering is set against a dark blue background with large, overlapping, semi-transparent green and blue circular shapes. A small, stylized white arrow points upwards and to the right, located near the center-right of the image.

Project SIS 100

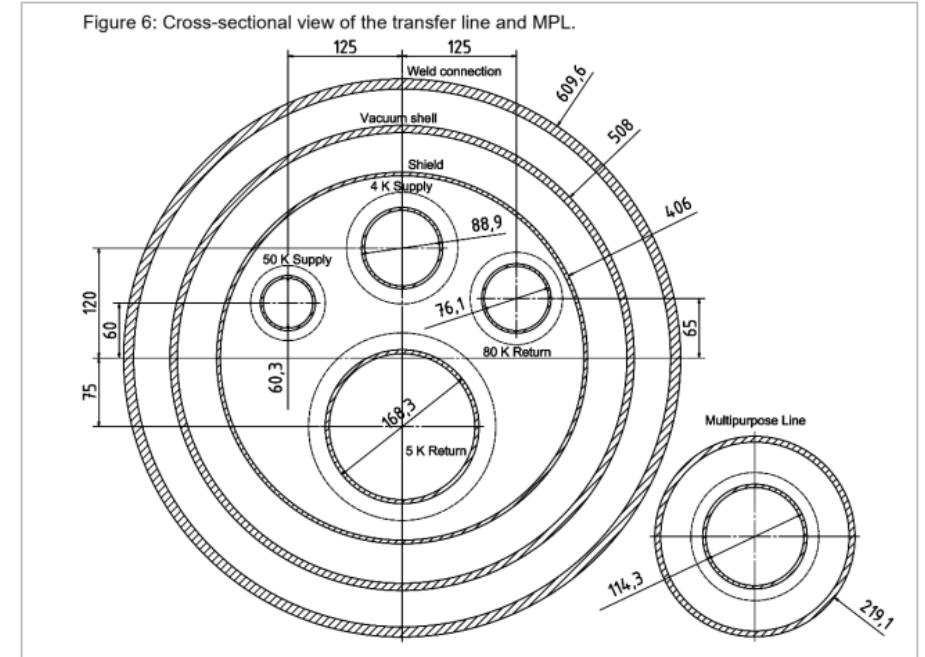
Layout of the project



MTL (Multiple Transfer Line)



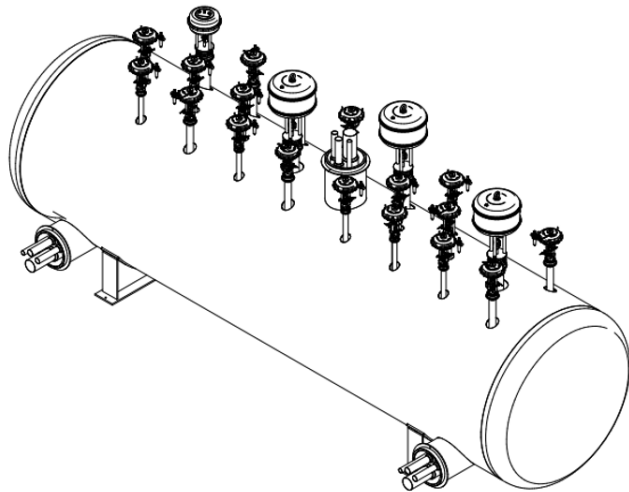
Demaco technicians are connecting the sections on site.



Valve boxes



Transport into the tunnel
was a challenge.



Biggest challenges



Schedule and interruption of installation

- 80 spools, 11 meter each
- Design changes due to lean production
- Testing of process pipes



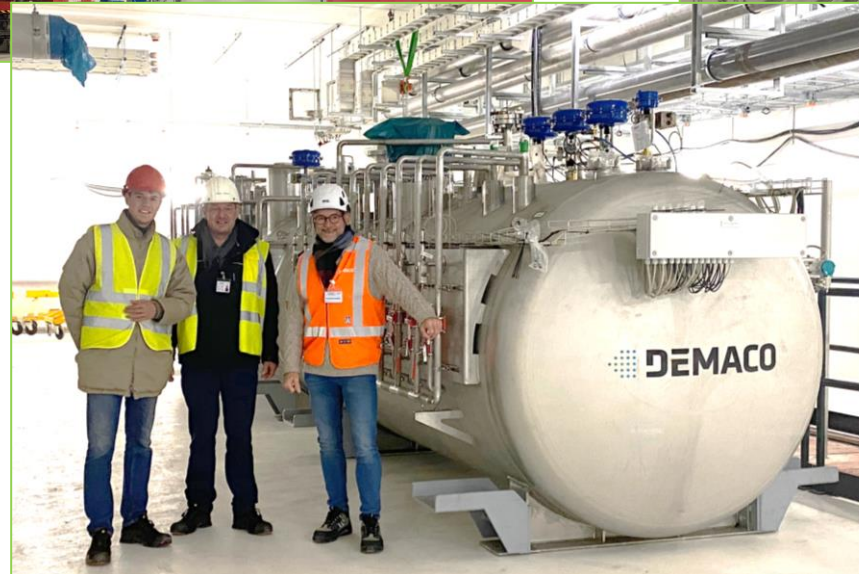
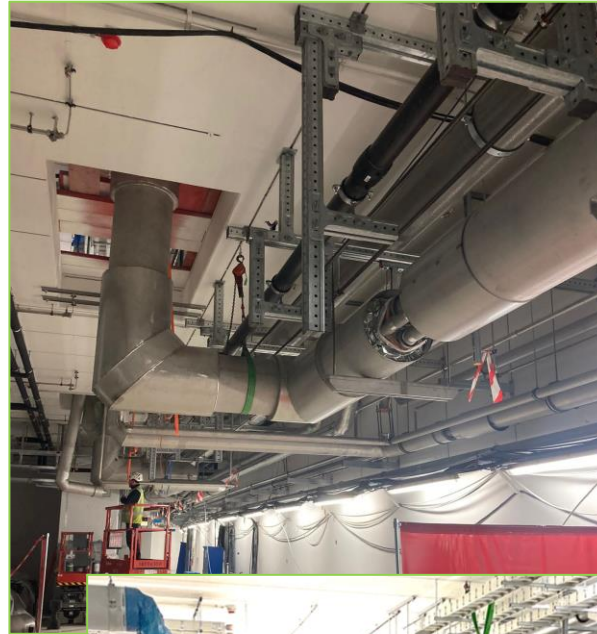
Factory Acceptance Test during COVID with live Video

What we achieved so far



Green dots?

- Spools are prepared + tested at Demaco
- Connections on site are straight
- Angle connections were made at Demaco
- One valve box became two



What is still open



Ongoing transport and installation

Site acceptance test is planned for November 2023

Summary

Summary



- Products with **high quality vacuum** are the competence of Demaco
- Multiple Transfer Line and Valve Boxes / **engineered to special needs**
- Total **volume and timing** was perfect with the other big projects
- On top of design, manufacturing, testing and installation, **logistic was important**

Many thanks for your attention.