



DEMACO



It's all about
Cryogenius.

Outline

- ❑ Company Introduction
- ❑ Demaco & Big Science
- ❑ ILOs-Net involvement
- ❑ Tender: Lessons learned
- ❑ Recommendations



DEMACO: founded in 1960

- ~ 92 employees
- HQ in the north of the Netherlands
- Turnover approx. 12 million €s
- ISO 9001 (Quality)
- PED H & H1 (Pressure Directive)
- VCA** (Safety)
- ISO 3834 (Welding)



Total integrated company

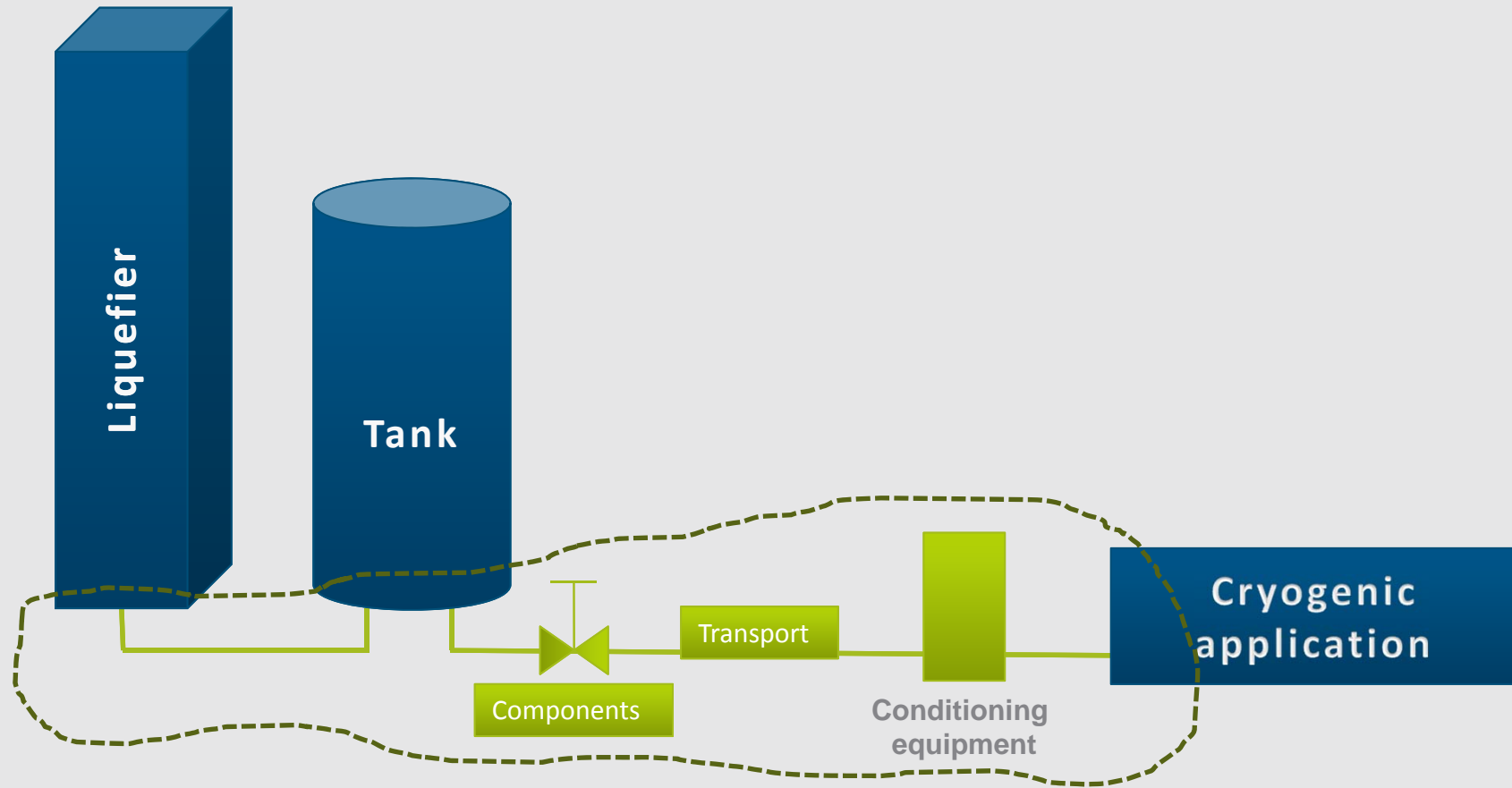


- (Pre-) Design
- Engineering
- Manufacturing
- Testing
- PED acceptance
- Documentation (traceability)
- Installation on site
- Project management
- Service



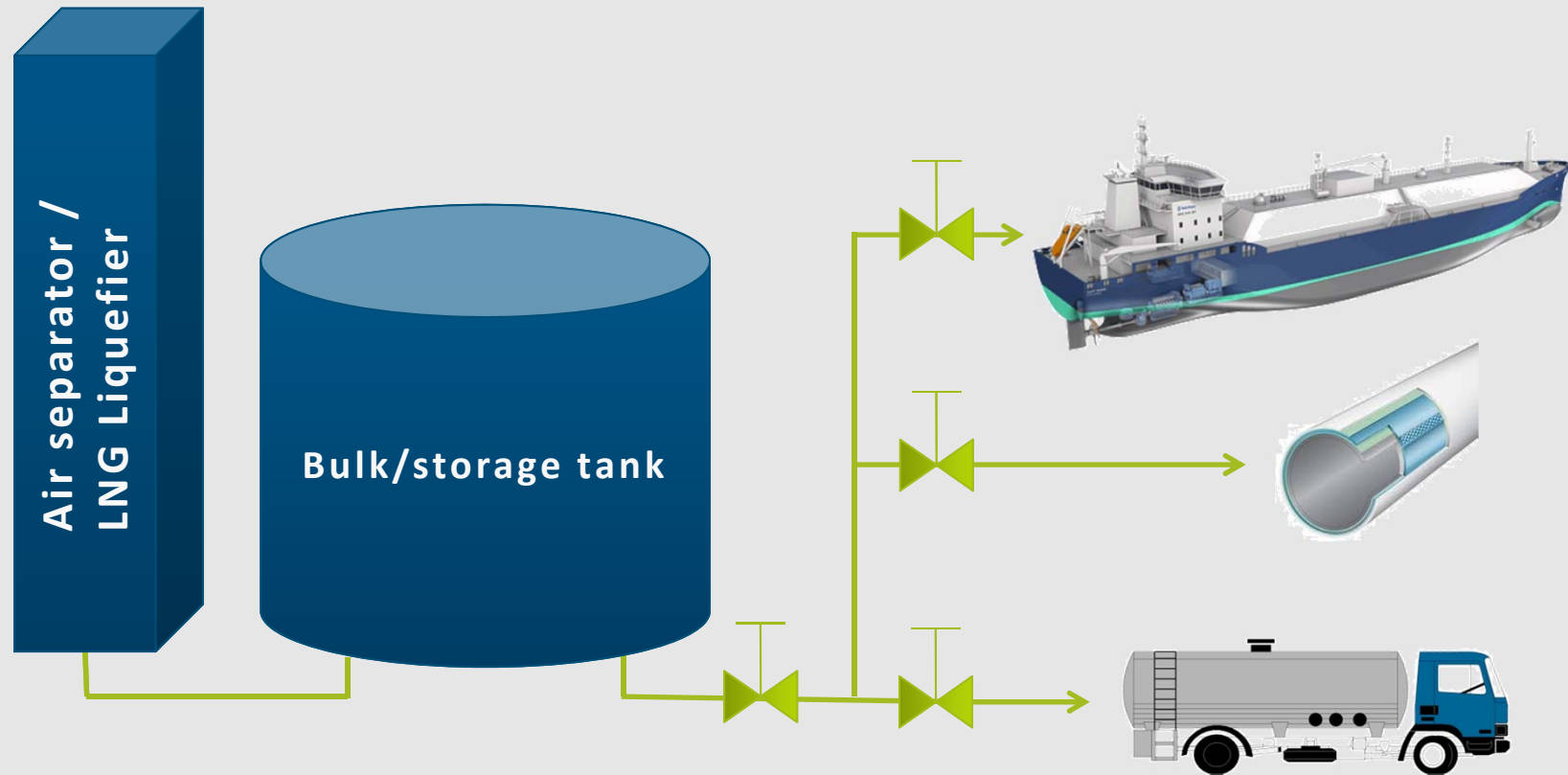
Delivering
cryogenic
infrastructures

DEMACO Scope of Work



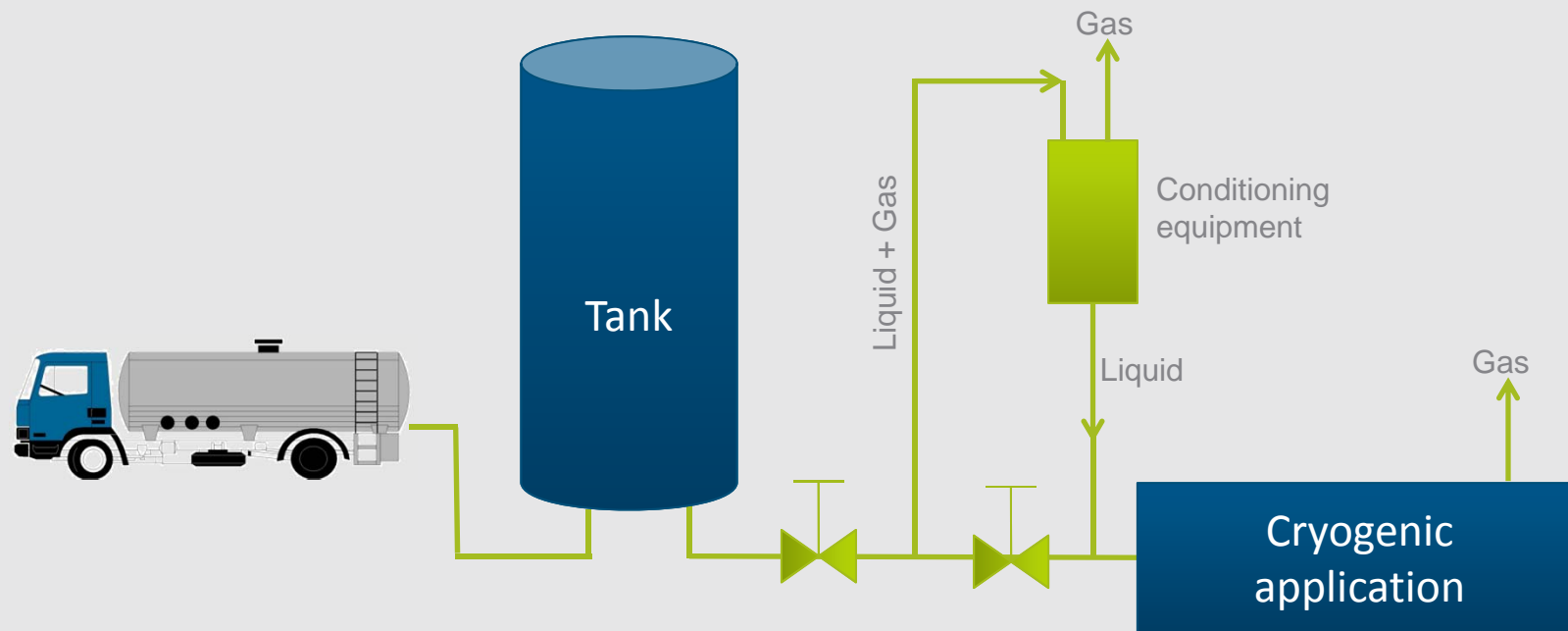
Typical Cryogenic Infrastructure

DEMACO Scope of Work



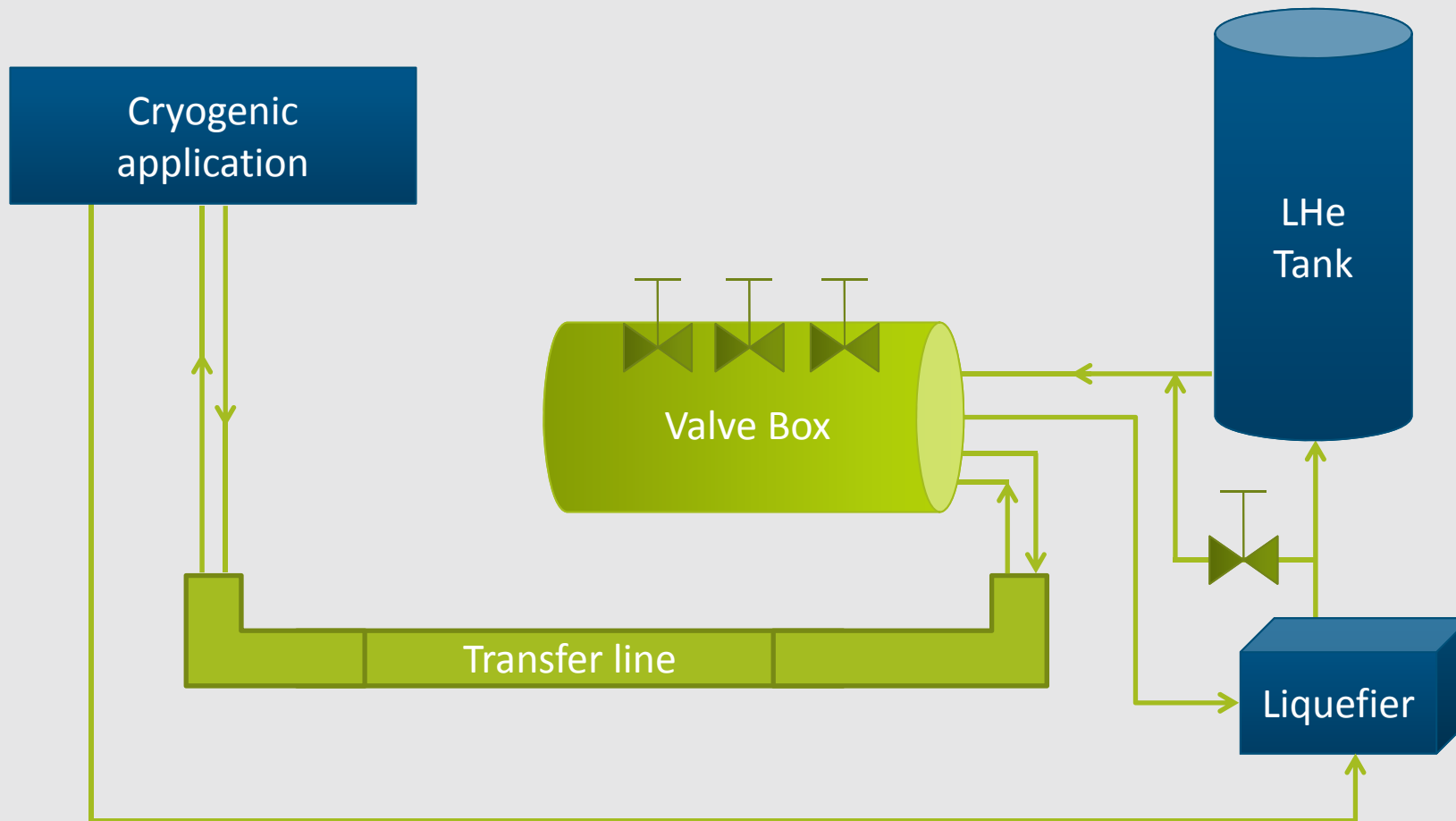
Cryogenic Infrastructure Air Separation Unit / LNG

DEMACO Scope of Work



Cryogenic Infrastructure End Users

DEMACO Scope of Work



Cryogenic Infrastructure Scientific / LHe



DEMACO
Product Groups

Product Groups



VIP



- Standard vacuum insulated pipes

Systems



- Phase separators
- Subcoolers
- LN2-Filling station
- LN2 Applications

HHS



- Helium TLs
- Valve Boxes
- Feed- & End Caps
- Closed loop systems for LH2 & LHe
- Cryostats



DEMACO Markets

Markets



- Food
- Space
- Automotive
- Medical
- LNG
- Big Science



Installed Feed Cap for LHe at XFEL accelerator

DESY/Germany



DEMACO &
BIG SCIENCE

Demaco & Big Science

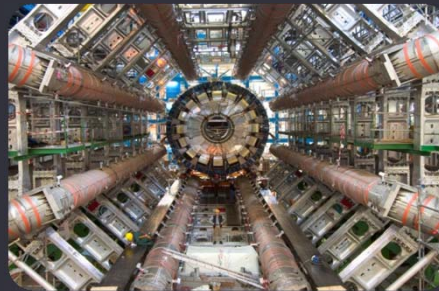


Previously

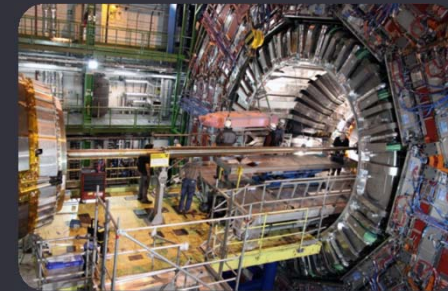
LHC Project



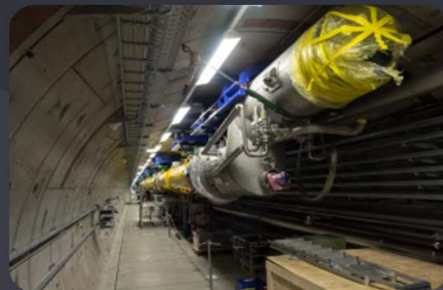
ATLAS Project



CMS Project

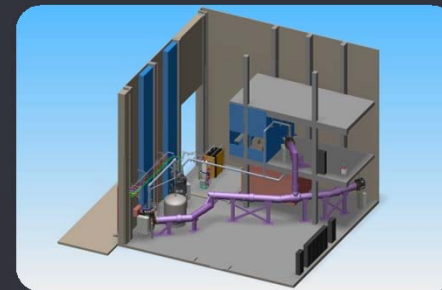


CERN



X-FEL Project

DESY



ITER- INDIA

ITER prototype Cryoline Test

Demaco & Big Science



Now

FERMILAB & Fermilab

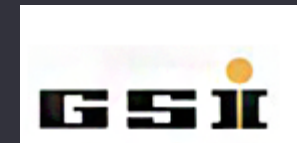
Linac Coherent Light Source II (LCLS-II)
Neutrino Platform Proximity Cryogenics



Tender: Lessons learned



1. Complete turn-key system
2. Tender due date
3. Proposal by mail
4. Digital signatures
5. Do not forget a stamp!



What's next?



1. International tenders workshops
2. Meetings between science and industry
3. Meetings between ILOs and industry



LET'S WORK TOGETHER

Any questions?



Thank you
for your attention!