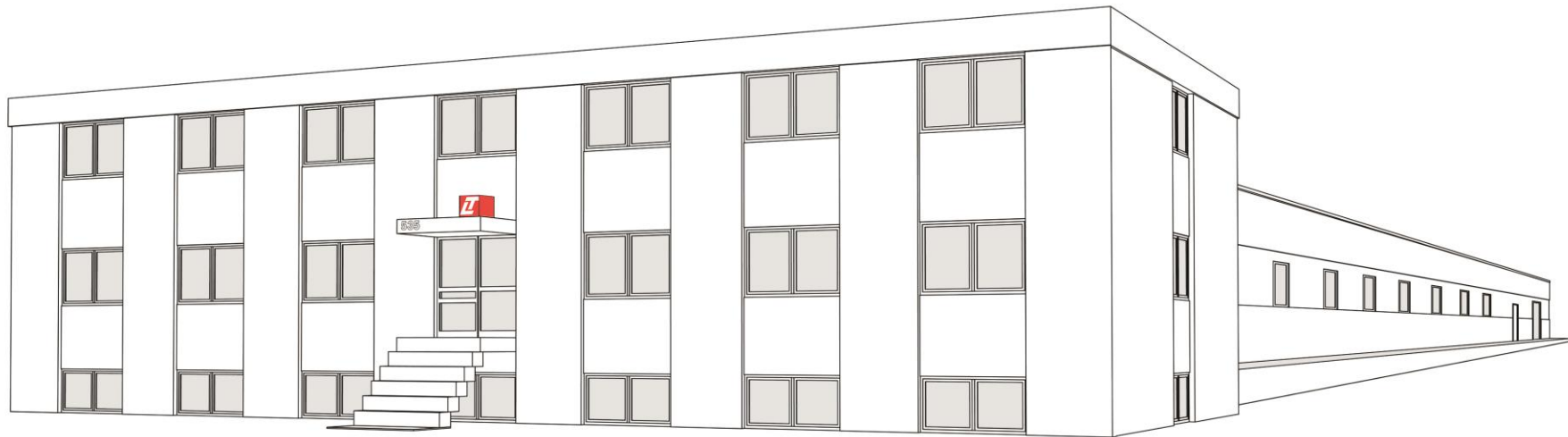




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## **Project details**

**LT HNx gas mixing unit  
for Float Glass Engineering &  
Bangkok Glass, Kabinburi Thailand 2016/2017  
Ujazd, Polen 2018**

# The project:

## Protective Gas mixing station



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### ■ Entry parameters:

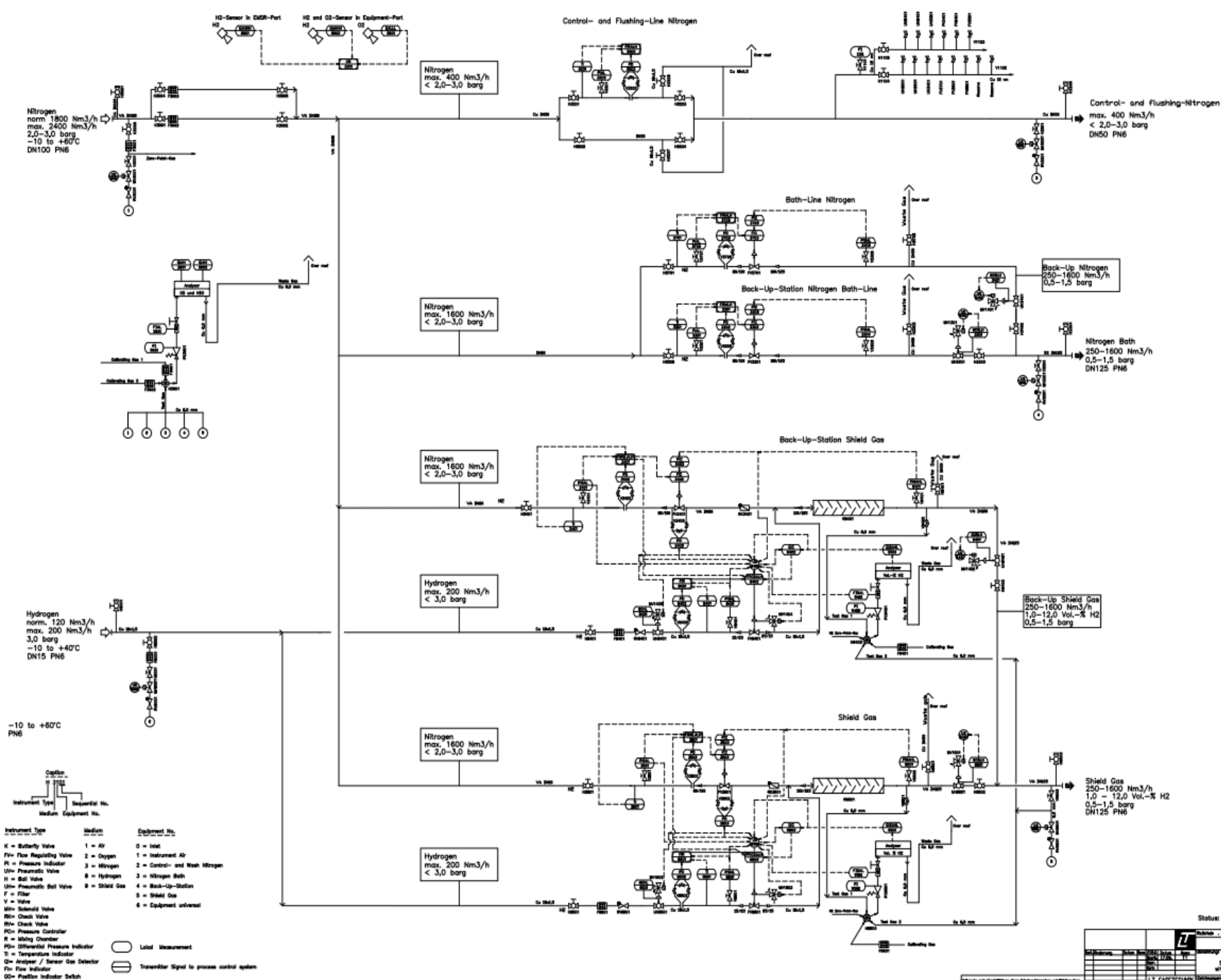
- Nitrogen: 1,800 Nm<sup>3</sup>/h @ 2 barg
- Nitrogen: 2,400 Nm<sup>3</sup>/h @ 3 barg
- Hydrogen: 200 Nm<sup>3</sup>/h @ 3 barg

### ■ Process supply:

- Nitrogen bath atmosphere: 250...1,600 Nm<sup>3</sup>/h @ 0.5...1.5 barg Redundant
  - Control and flushing Nitrogen: 0...400 Nm<sup>3</sup>/h with Bypass
  - Protective gas bath atmosphere: 250...1,600 Nm<sup>3</sup>/h @ 0.5...1.5 barg Redundant
- Mixing ratio N<sub>2</sub>/H<sub>2</sub>: 94/6 Vol.% ... 90/10 Vol.%

### ■ Design:

- Container module incl. gas warning system
- Redundant design as complete operational automatic unit, including filters, gas volume, pressure and temperature measurements, control valves, mixing section including full automatic switch-over
- Gas analysis device for monitoring the mixing ratio, dew point and residual oxygen content (5 measuring points)
- Control system in an separate air conditioned room, separated by gas-tight wall from the mechanical part



Statut: 17.06.2016

[illegible]

# Container



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# Entrance container side **mechanical part**



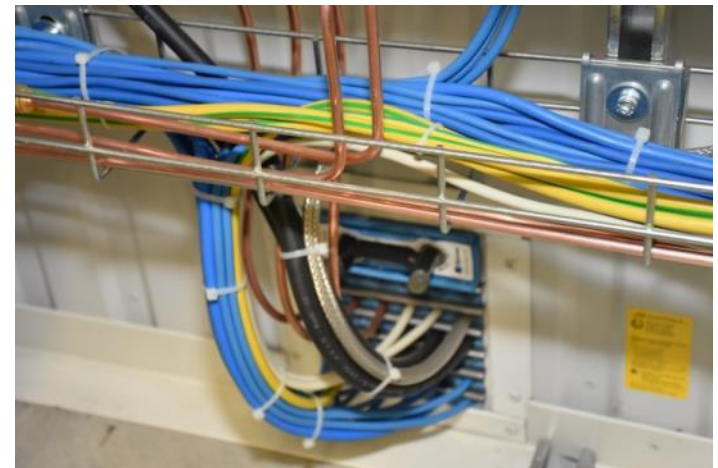
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# Gas mixing plant mechanical part



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# Electrical part control section



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# Control section detail impressions



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# Gas Supply on site



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