



reflex

Thinking solutions.

Havenhuis Antwerp

Antwerp, Belgium



Project

- Antwerp Port Authority
- Operator: port of Antwerp

Performance parameter

- Heating loop existing building: 2 x 800 kW + 1 x 300 kW
- Heating loop new building: 1 x 900 kW
- Expansion system Ice water low regime new building: 1 x 550 kW
- Ice water high regime new building low level: 1 x 400 kW
- Ice water high regime new building high level: 1 x 1.400 kW + 2 x 250 kW
- Ice water new Beo Field: 2 x 600 kW

Task

- The harbor house consists of two buildings – a restored and a new one. The challenge was to connect the new expansion system of the old building with the new expansion system of the new building and this for the same heating and cooling circuit.
- Connecting multiple heating rooms at different levels (the volume is approximately 100 meter long).
- A suitable solution had to be found for the complex piping system and the low temperatures in order to make and keep the whole system air-free.

Product solution

Heating circuit

- **Reflexomat control touch RS 300/1** with I/O modules as Master Slave system and 2 x **Reflexomat RG 1000** vessels
- 1 x **Servitec 95**
- 1 x **Fillset**

Cooling circuit

- **Reflexomat control unit RS 90 touch** with I/O modules, Beo Field and 1 x **Reflexomat RG 600** vessel
- 1 x **Servitec 60 GL**, suitable for glycol
- 1 x **Fillset**

Achieved goals

- The heating and cooling lines are in the same circuit and operate perfectly.