

Reference project

**Fire water systems  
Logistics and  
transport company**

System Figure 1: Discharge from the system

## Cleaning of several fire water systems including sprinkler systems

### Assignment

- Comprex® cleaning of several fire water systems including sprinkler systems as well as supply and connection lines
- Restore performance and process reliability through improved hydraulic properties
- exceptional challenges:
  - Removal of deposits from the system, in accordance with the requirements of the Defect Report of the Expert Inspection 2017
  - Cleaning without shut-off devices of cleaning sections
  - Cleaning during ongoing operation of the logistics centre



Figure 2: Access to system via standardized adapter connections

### Technical Data

- Fire water system
  - 8 subsystems/lines in total
  - different nominal diameters



Figure 3: Large particle discharge from subsystem

### Cleaning using the Comprex® process

- Mechanical cleaning through the controlled use of compressed, treated air from Comprex® unit
- Access to the system via standardized adapter connections (Figure 2)
- Systematic cleaning of the individual subsystems
- 3 technicians / engineers, approx. 4 days on site



Figure 4: Fine particle discharge from subsystem

### Result of Comprex® cleaning

- Sediments mobilized and discharged (Figure 1, Figure 3 and Figure 4)
- Lower pressure loss, increased energy efficiency
- Improved performance and operational reliability
- Expert inspection 2019: no hydraulic complaints