AIRWATERGREEN
Air Technology Sweden

INSTALLATION AT KRAFTRINGEN (LUND)

Reference case Properties

BAKGROUND

The network consisting of a total of 105 km of wires is from 1965 and thus one of the oldest in Sweden. Several studies have found that the best way to get rid of problems such as corrosion would be to re-build the chambers where the problems and risks are greatest, but due to the high maintenance costs, there is no finance for this.
"*It's a momentum 22. The money we needed to re-build the chambers has been spent on maintaining them*", Mats explains.

Since March 2016, the district heating chambers have been protected by dehumidifiers based on heat condensation which has reduced the amount of moisture in the air, so that the corrosion processes have been stopped:
"*The critical limit for corrosion is at 60% relative humidity (RH), If you keep the spaces under it, the corrosion stops*", explains Airwatergreens Research and Development Manager Fredrik Edström

WHAT PROBLEMS DID AIRWATERGREEN'S DEHUMIDIFIERS SOLVE?

The "Kraftringen" and Airwatergreen designed the service 'Dry climate'. Which means that Kraftringen assigns responsibility for the climate in the chambers to Airwatergreen at a fixed monthly cost.
"This means that we do not need to invest any capital. We receive an invoice every quarter and Airwatergreen does the rest. In addition to lowering the humidity, Airwatergreen provides us with data on how the chambers are doing, which simplifies maintenance planning", says Mats.

He also emphasises that those working in the chambers have got a better working environment.
"*It's not just about the maintenance money we save on this. We want to provide a safe workplace for the employees who are down in these chambers daily - something that we have finally succeeded, thanks to the* 'Dry climate'!"

QUICK FACTS
Product: 17 pc FLEX
Installation year: 2016 - 2018
Cause: Corrosion

We want to provide a safe workplace

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