

Customer Reference

Data center cooling with heat recovery

interxion™

“For me, heat recovery is part of making data centers greener. The collaboration we have with Fortum Värme makes it possible for us to use the excess energy for residential heating in a financially attractive way. This is a perfect example of a technical solution that combined with the cold climate makes the Nordics a great place for building datacenters. We continue to innovate and work with Fortum Värme and are right now exploring how the cooling and heat recovery can be defined for our future expansion.”

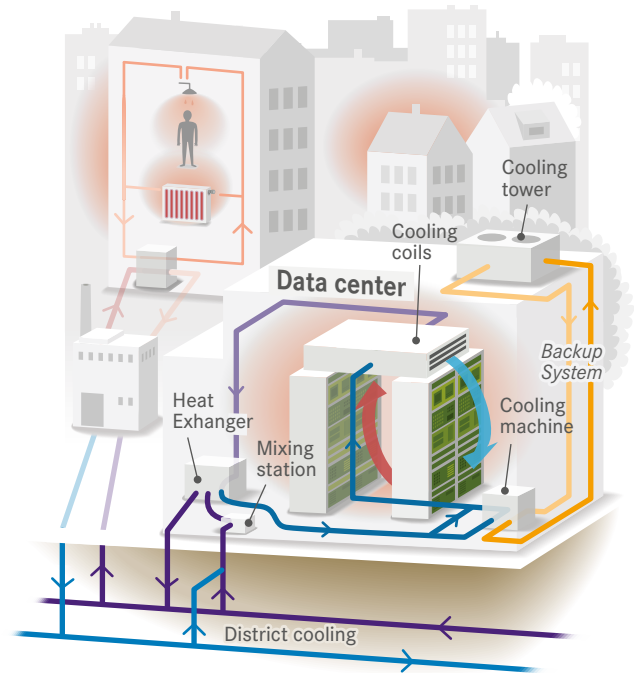
Peder Bank
Managing Director,
Interxion Nordics

Interxion is a leading provider of carrier and cloud neutral colocation data center services in Europe. It supports over 1 500 customers through 42 data centers across 11 countries. Its 4 800 m² Stockholm data center is located in Kista, the ICT-hub of Sweden.

Since 2015, Interxion deploys Fortum Värme’s cooling service for data centers. The cooling service with heat recovery provides Interxion with chilled water and Interxion returns the water with a temperature of at least 24 °C. The offering includes monitoring, alarms and a service level agreement.

The chilled water cooling and heat recovery is provided by Fortum Värme’s plant in Kista/Akalla and is delivered via the district cooling network. At Interxion’s site, a heat exchanger, mixer and a circulation pump is all that is required to reliably cool the data center.

The recovered excess heat from the data center enters large heat pumps at Fortum Värme’s plant and is sent on to the district heating network. In this way heat that was previously simply rejected into the open air can now heat thousands of homes. At the same time, Interxion’s costs are reduced, as it is compensated for the recovered heat.



DATA CENTER

Stockholm, Kista

COOLING CAPACITY

5 MW

COOLING WATER TEMPERATURE

14 °C

COOLING WITH HEAT RECOVERY

4 300 h

SUSTAINABILITY - MODERN
APPARTMENTS HEATED

4 350

POWER GRID OPERATOR

Ellevio

January, 2017

For more information about Fortum Värme’s Data Center Cooling Solutions, please contact info@stockholmdataparks.com

 **Fortum**