

Case story | VLT® HVAC Drive FC 102

# World's greenest hotel reaches COP 40 cooling efficiency

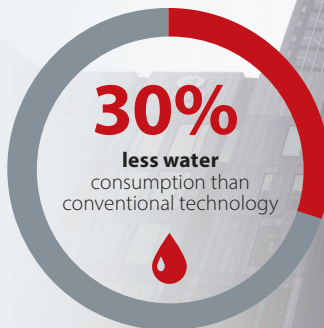
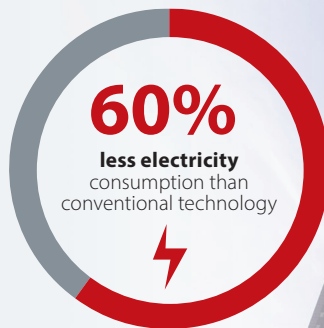
With electricity and water consumption respectively 60% and 30% lower than 4800 comparable properties in the InterContinental Hotel Group, the luxurious Crowne Plaza Copenhagen Towers hotel comes close to achieving carbon neutrality.

"I have to say that working with Danfoss on this project has been a tremendous success. We've had very few challenges. In fact, the system has delivered precisely what it was calculated in theory to do, which is really outstanding."

Allan Agerholm, Chief Hospitality Officer, BC Hospitality Group A/S

### COP = 40

The cooling power is up to 40 times the electricity consumed by the installation. Normally the COP for a building of this size would be 4 or 5.

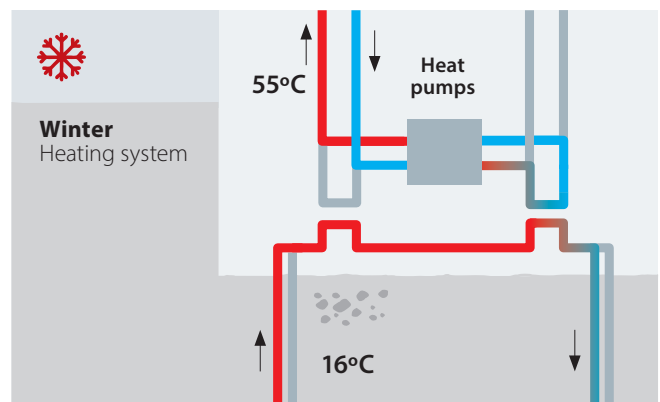
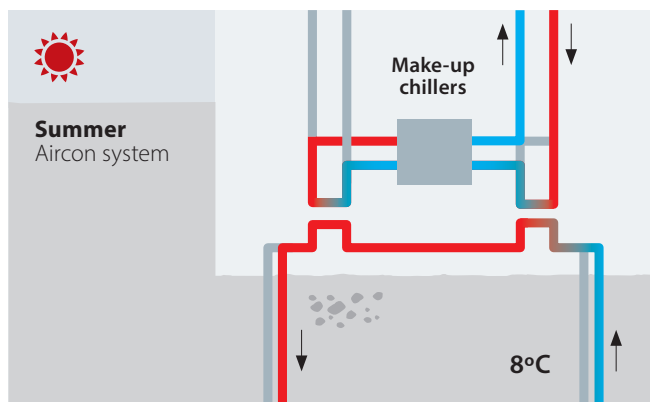


Crowne Plaza Copenhagen Towers hotel is located in the Ørestad district of Copenhagen, Denmark

### Ground water cooling system:

**90%** energy saving in **summer months**, compared to conventional technology

**60%** energy saving in **winter months**, compared to conventional technology



The VLT® HVAC Drive delivers the essential capacity control enabling the ground-water-based Aquifer Thermal Energy Storage (ATES) system to deliver state-of-the-art savings in hotel heating and cooling.



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