

# The New University Hospital - Skejby



## ABSORPTION CHILLER

### New university hospital

Enexio has supplied an absorption chiller to the new university hospital DNU in Skejby, Aarhus. The machine is to deliver cooling to the hospital's new centre for particle therapy. During summer operation, the waste heat is disposed of in the cooling towers, while the waste heat in winter can be utilised for heating in the hospital's local district heating network.

The absorption chiller is powered by hot water at 105°C from the district heating transmission network. This converts 4.3 MW heat to 3 MW cooling and 7.3 MW district heating, which are used simultaneously.

The absorbed energy from the hospital's cooling system is thus being recycled as district heating, since the heat pump raises the heating circuit's temperature from 30°C to 52°C.

