

# River-Assisted District Cooling



→ The City of Gothenburg, Sweden, built a district cooling system supplemented by free cooling provided by the river Göta älv.



## ENVIRONMENTAL

The system reduces CO2 emissions by up to 80% compared to conventional air-conditioning.



## SOCIAL

District cooling provides much higher availability and reliability than the stand-alone alternatives.



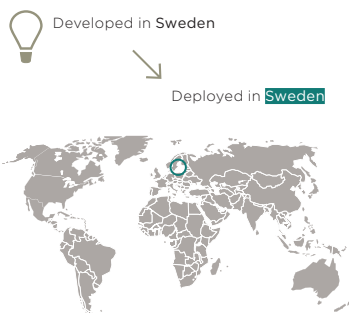
## ECONOMIC

In return for investing in an energy transfer station, customers only pay for the cooling they use.

Gothenburg, Sweden, uses **free cooling** from the river Göta älv to pre-cool water used in its large-scale district cooling system. By using a **combination of river water for pre-cooling and waste heat** from an incineration plant to drive its absorption chillers, Gothenburg substantially **lowered CO2 emissions** compared to conventional cooling methods. Customers get the environmental benefit of sustainable cooling at an affordable cost.

### Why a Sustainia100 solution?

Gothenburg's district cooling system harnesses free, local resources – river water and surplus heat – in order to offer citizens a cost-competitive, energy-efficient alternative to conventional air-conditioning. District cooling in Gothenburg is a sustainable way of providing a solution for a growing cooling market.



In Gothenburg, Sweden, river water and surplus heat helps deliver sustainable district cooling.

