We build and operate
our datacenters sustainably

DATACENTER ONE

Our sustainability initiative includes the following:

Use of waste heat

Today we are already using waste heat for the heating of the office spaces at our datacenters[1]. More extensive use is planned once the regulatory framework is adopted, and we support this by already actively working on the development of area-wide waste heat use.

< 1,3
Power Usage
Effectiveness (PUE)[1]

Energy efficiency

We operate our datacenters at a high energy efficiency with a PUE value below 1.3[1]. This results in both reduced power consumption and minimized CO_2 emissions.

Cooling

We use indirect free adiabatic cooling to minimize energy consumption, electricity costs and the carbon footprint[1]. Cooling is achieved via air-to-air heat exchangers using only the outside air and is supported by the evaporative cooling of water as a cooling medium when required. Currently, this is the most environmentally friendly and most sustainable cooling for datacenters.

≈ 1,3
Water Usage
Effectiveness (WUE)[1]

Water

We operate our datacenters at a high water efficiency with a WUE value around 1.3[1]. Hereby, we already comply with the limits planned by the Climate Neutral Data Centre Pact.

Construction

Our sites are built using a modular construction method[1]. This construction method is both sustainable and time-saving due to the optimized use of resources. Modular construction significantly minimizes the consumption of sand and cement.

100%
Green energy

Green energy

All DC1 sites are powered by 100% renewable energy.

CLIMATE NEUTRAL DATA CENTER

DC1 is ahead of industry-leading
sustainability initiatives

We joined the Climate Neutral Data Centre Pact in 2021. Like all other members of this self-regulatory initiative, we have committed ourselves to support the European climate goals and to evaluate and pursue the following 5 aspects:

- Increasing energy efficiency
- Use of green energy
- Saving water
- Reuse of server equipment
- Use of waste heat

By operating our datacenters with a PUE value below 1.3 and 100% green energy, Datacenter One is already a step ahead of some of these forward-thinking goals of the Pact. As a member, we support all objectives of the Climate Neutral Data Centre Pact and are constantly working on moving sustainable datacenter operations forward.

[1]Excluding legacy datacenters GRP10 & NB8 in Stuttgart

For more information on our sustainability initiative please visit www.DC1.com/en/sustainability