

Improving Sustainability in Data Centers

Report results at a glance



~2% of world wide energy consumption

Data Center industry continues to require a significant share of the world wide energy, with a major environmental footprint

27%

Modern technologies like hyperconverged infrastructure (HCI) have the potential to **reduce the energy demand in data centers by over 27%** compared to traditional 3-Tier Infrastructure

In the **EMEA region this could potentially save up to 92 TWh** from 2024 to 2030. Nearly the same energy demand as for Belgium in 2022

Source: www.ember-climate.org/insights/research/european-electricity-review-2023

From 2024 to 2030 this could **save up to 19 million tCO2e** in the EMEA region, an equivalent of almost 4,1 million cars annual emissions

Source: www.epa.gov

This would translate into a **potential saving of 25 billion euros** in the period between 2024 and 2030

Especially in Europe, where energy prices have surged in recent years, **efficiency in data centres plays an important role in meeting sustainability** goals and saving costs.

As sustainability in data centers is increasingly subject to regulatory standards, hyperconverged infrastructure may provide an effective contribution

HCI in public cloud or co-locations could further **increase the sustainability potential** compared to on-premise due to more efficient power usage and on demand scaling capabilities

[Read the full report here](#)