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# **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

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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

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