Telekom CR-facts

Measurable success: Reduced CO2 generation at data centers

We keep our goal of reducing our carbon footprint in mind when planning and operating our data centers. To achieve this goal, we take a two-step approach. It starts with optimizing energy consumption at each data center site and then continues with improving processes throughout the global data center landscape. The PUE (Power Usage Effectiveness) figure is the key indicator for their energy efficiency. Since 2008, we have succeeded in reducing the average PUE factor at the T-Systems data centers in Germany from 1.85 to 1.56.

Data Center Energy Usage	2018	2019	2020	2021
Total energy used in data centers (MWh)	735,800	647,162	407,741	359,084
Percentage of renewable energy (of total energy)	52	53.5	62.5	98.3

Our aim is to increase the share of renewable energy on a yearly basis. Therefore our reported target is to increase our share in comparison to the previous year.