

Business impacts



AI as a driver for network quality and operational excellence

Our network planning utilises AI-based analyses to better align expansion with actual demand. **Digital twins** allow us to identify potential bottlenecks earlier and adapt processes accordingly. This ensures the network remains energy-efficient and stable – even during periods of increased data traffic.

O₂ Telefónica, in collaboration with Tech Mahindra and NVIDIA, is developing an AI-based model for telecommunications networks. The “**Large Telco Model**” uses generative AI to support network operations analytics. It can help detect disruptions earlier, prioritise operational processes, and provide data-driven support for decision making. The goal is to further develop and streamline network management processes.

We have further developed our **AI-based supplier screening** to evaluate publicly available information from news, social media, and other sources for a more robust supply chain. The models can identify indications of potential human rights or environmental risks earlier and forward relevant anomalies to procurement for review.

Early warning system for safety and resilience

Our **threat intelligence programme** analyses information on geopolitical developments, cyber threats, and climate risks on a daily basis. When it detects potentially critical developments, predefined response and prevention measures are automatically triggered. In this way, the programme supports the protection and resilience of infrastructure and services – also with our customers in mind.

Securely outsourced IT technology

With our new **data center housing**, companies outsource their own IT hardware – such as servers and storage – to one of our data centres. We provide the infrastructure, including power supply, climate control, physical security, and network connections, while customers retain full control over their systems. This highly secure solution is more resource-efficient and scalable – for sustainable digitalisation in medium-sized businesses.

Flexible solutions for networked locations

We have further expanded **5G coverage** and now reach approx. **99% of the German population**. This near-universal availability creates a stable framework for companies to implement digital processes regardless of location – for example, in logistics, manufacturing, or municipal applications.

O₂ Telefónica and Siemens have developed a **5G slicing solution** that connects automation systems via virtual, separate 5G networks. This allows for more targeted control and monitoring of **industrial applications** – with prioritised network resources and integrated security functions.

Our **5G campus networks** for industry are scalable and can be individually configured. They support communication between machines and systems and utilise prioritised network resources as well as security mechanisms that can be adapted to different requirements – for example, for complex production environments or extensive sites.

Responsibility with impact



Empowering young people online

As part of our "WAKE UP!" initiative, we implemented numerous programmes in 2025 to raise awareness among young people about disinformation and digital responsibility. At project days, such as Safer Internet Day or "Social Media meets Politics" at BASECAMP, students discussed topics like fake news, digital sovereignty, and democratic participation with experts from media, politics, and civil society.

Measurably good – what we will have

100%

Electricity from renewable energy sources

~ 99%

5G coverage of the entire German population

56M

People reached through social programmes

100%

The potential high-risk suppliers were checked against ESG criteria.

[Further key figures online](#)

EXCELLENT! AWARDS AND RATINGS 2025



ESG transparency award (EUPD Group)

Awarded "Leading Company" 2025 status with an overall score of 96% for transparent and reliable ESG reporting



CDP climate rating

Top grade A in the global climate protection ranking, for the eleventh time in a row for our parent company Telefónica, S.A. Group.



EcoVadis Gold

Excellence in ESG sustainability management; with 81 out of 100 points, among the top 5% of all companies assessed worldwide by EcoVadis.



Sustainalytics ESG top-rated

With an ESG risk rating of 17.7, Sustainalytics confirms a low risk of material financial impact from ESG factors.