

GreenMove Report 2025

**A Harmonized Sustainability Paper
from the FreeMove Alliance**

November, 2025



1. Building a Low-Carbon Digital Backbone

FreeMove's industry-leading telco members are transforming the way connectivity interacts with the planet. **Deutsche Telekom, Orange, Telia, TIM, and Swisscom** together provide communication services to hundreds of millions of customers, run vast data networks and data centers, and manage thousands of tons of network equipment. Each has committed not only to digital innovation but to a parallel mission – **operating in harmony with environmental sustainability**.

This report presents our members' collective sustainability objectives, showing what they have already achieved and what they are targeting for the years and decades ahead. It summarizes their environmental performance in 2024, highlights progress against 2023, and explains what they can provide for any business seeking a low-carbon partner for telecom services.

2. Shared Vision and Common Goals

Together, our operators can credibly promise business customers a connected world powered by renewable energy, managed efficiently, and aligned with net-zero carbon pathways. Although each of our members operate independently, their climate commitments align closely. The shared foundation rests on five pillars:

- **Full Renewable Electricity**

All five companies either already operate on 100% renewable electricity (Deutsche Telekom, Telia, Swisscom) or are on clear trajectories to reach that point (TIM by 2025; Orange advancing steadily, now at 48%).

- **Science-Based Net-Zero Roadmaps**

Each company has a defined net-zero target between 2035 and 2040, aligned with the 1.5°C Paris Agreement goal. Swisscom leads with 2035; Deutsche Telekom, Orange, Telia, and TIM each target 2040 for full value-chain neutrality.

- **Carbon Neutrality**

All five aim to reach operational (Scope 1+2) carbon neutrality by 2030. Deutsche Telekom's own operations are already largely powered by renewables and aim to be fully carbon-neutral by 2025; TIM sets 2030; Swisscom is already effectively neutral through renewable power and offsets.

- **Circular Economy**

Every member runs device-reuse, recycling, or refurbishment programs to close the loop on electronic waste, while improving network energy efficiency per data unit.

- **Transparency and Certification**

All five telecom groups publish verified environmental data in their annual ESG reports. They share a strong commitment to environmental management, as shown by universal ISO 14001 certification. In addition, TIM and Swisscom hold ISO 14064 certification for greenhouse gas management, and operators of Deutsche Telekom, Orange, and TIM are also certified under ISO 50001 for energy efficiency.

3. Quantitative Analysis and Individual Highlights

- **Deutsche Telekom**

In 2024, Deutsche Telekom continued to strengthen its sustainability performance and environmental responsibility. The Group maintained **100%** renewable electricity use, a milestone initially achieved in 2021, reaffirming its commitment to climate protection. The company targets achieving net-zero emissions across Scopes 1, 2, and 3 by **2040**.

Key environmental indicators showed improvement in 2024. Scope 1 emissions decreased to **236,355 tCO₂e** (from 239,602 tCO₂e in 2023), while market-based Scope 2 emissions declined to **16,212 tCO₂e** (from 17,957 tCO₂e). Scope 3 emissions, representing the largest share of total emissions, also decreased to **10.14 million tCO₂e**, down from 10.36 million tCO₂e the previous year.

Overall energy consumption was reduced by approximately 2.6%, from 12.24 million MWh in 2023 to **11.93 million MWh** in 2024. Similarly, waste generation decreased significantly by nearly 18%, from 86,921 tons to **71,385 tons**, reflecting continued efficiency and resource management improvements.

- **Orange**

In 2024, Orange made progress in its environmental and sustainability performance while continuing to align with its **2040** net-zero target across Scopes 1, 2, and 3. The company reported a **48%** share of renewable electricity, underscoring ongoing efforts to increase clean energy use.

Scope 1 emissions remained broadly stable at **350,581 tCO₂e** (325,510 tCO₂e in 2023), while Scope 2 market-based emissions were **679,483 tCO₂e** (655,526 tCO₂e in 2023). Encouragingly, Scope 3 emissions decreased significantly by around 11%, from 5.09 million tCO₂e in 2023 to **4.50 million tCO₂e** in 2024.

Total energy consumption declined by roughly 4%, from 5.23 million MWh in 2023 to **5.02 million MWh** in 2024, reflecting improved efficiency measures. Waste generation totaled **68,746 tons**, compared to 59,896 tons the previous year.

- **Telia**

In 2024, Telia maintained its strong sustainability performance, continuing to operate with **100%** renewable electricity, a target first achieved in 2020. The company remains committed to its **2040** net-zero goal across Scopes 1, 2, and 3.

Scope 1 emissions remained stable at **5,473 tCO₂e** (5,435 tCO₂e in 2023), and Scope 2 market-based emissions showed a modest year-on-year variation, reaching **7,670 tCO₂e** (6,621 tCO₂e in 2023). Scope 3 emissions, which represent the majority of Telia's carbon footprint, fell notably by 16%, from 748,976 tCO₂e in 2023 to **627,623 tCO₂e** in 2024.

Energy consumption decreased by approximately 12%, from 1.24 million MWh in 2023 to **1.10 million MWh** in 2024, reflecting improved energy efficiency. Similarly, waste generation dropped significantly from 79,000 tons to **56,786 tons**, indicating progress in circular economy and waste management initiatives.

- **TIM**

In 2024, TIM continued advancing its environmental sustainability initiatives, increasing its share of renewable electricity to **84%**, with a target to reach 100% by 2025. The company maintains a **2040** net-zero emissions target covering Scopes 1, 2, and 3.

TIM achieved substantial progress in reducing direct and indirect emissions. Scope 1 emissions dropped by more than 50%, from 104,418 tCO₂e in 2023 to **52,402 tCO₂e** in 2024. Scope 2 market-based emissions also decreased significantly, from 232,269 tCO₂e to **103,375 tCO₂e**. Scope 3 emissions were **2.03 million tCO₂e** in 2024, compared to 1.93 million tCO₂e the previous year.

Energy consumption totaled **2.21 million MWh** in 2024, compared to 1.82 million MWh in 2023. Waste generation decreased sharply from 9,344 tons to **5,395 tons**, highlighting improved waste management practices.

- **Swisscom**

In 2024, Swisscom reinforced its position as a sustainability leader in the telecommunications sector. The company has operated on **100%** renewable electricity since 2010 and is targeting net-zero emissions by **2035**, the most ambitious target year among its peers.

Swisscom's Scope 1 emissions decreased from 12,467 tCO₂e in 2023 to **10,927 tCO₂e** in 2024, marking continued progress in reducing direct operational emissions. Scope 2 market-based emissions remained at **zero**, demonstrating full decarbonization of purchased electricity. Scope 3 emissions remained broadly consistent at **320,866 tCO₂e**, compared to 307,259 tCO₂e in 2023.

Overall energy consumption remained stable, with **541,827 MWh** in 2024 versus 542,364 MWh the previous year, reflecting operational efficiency. Waste generation decreased by 15%, from 4,123 tons to **3,489 tons**, supporting Swisscom's commitment to circular resource use and waste reduction.

4. EcoVadis: Driving Sustainable Performance and Transparency

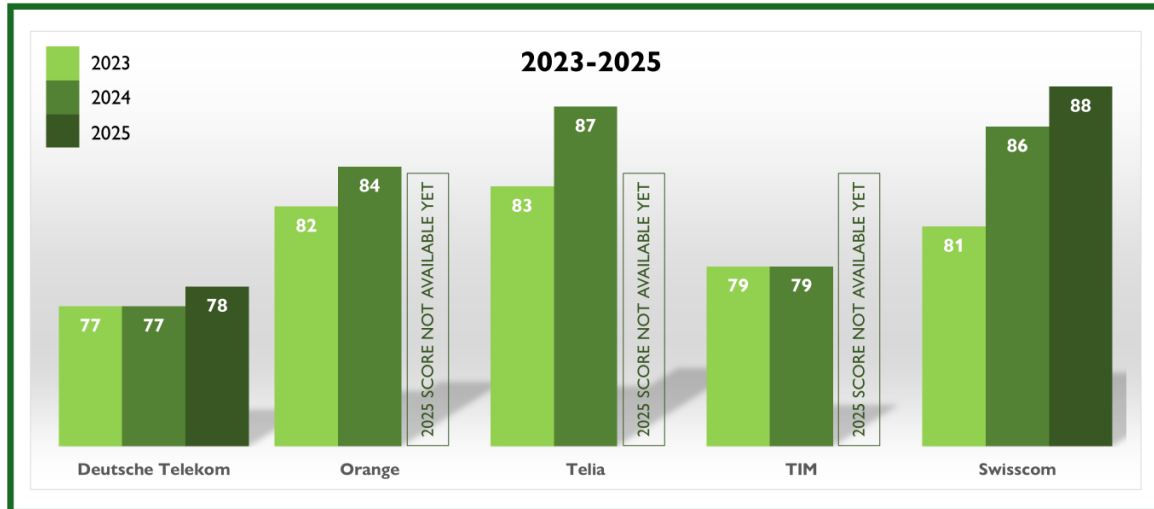
We are very proud that **all FreeMove members and Swisscom are certified on group level by EcoVadis**, a leading provider of sustainability ratings for global supply chains. They regularly assess companies and hand out scorecards based on their environmental and social performance.

Participation in the EcoVadis program demonstrates our members' dedication to sustainability and social responsibility in all their business operations. They are making significant efforts to reach serious goals and are committed to making a positive impact on the environment and society.

The following graph illustrates how each of the five telecom groups has been evaluated by EcoVadis, showing the main overall scores they achieved out of a maximum of 100 points over recent years:

EcoVadis Overall Scores Comparison

ecovadis



5. Collective Outlook and Conclusion

The transition to a sustainable digital economy depends on the telecom backbone behind it. Deutsche Telekom, Orange, Telia, TIM, and Swisscom have each made measurable progress and set ambitious targets. Renewable energy procurement, energy efficiency, network modernization, and circularity are universal tools across the Alliance.

By 2030, our members could collectively operate on 100% renewable electricity, achieve carbon-neutral operations, and cut value-chain emissions by 45-60% versus 2020 levels. By 2040, the four members aim to be net-zero across all scopes, while Swisscom will already have reached that milestone five years earlier.

Together, we can offer business customers a single promise: Wherever their business connects through our networks, that connection carries the lowest possible environmental footprint – powered by renewables, managed efficiently, and guided by science-based targets. As a unified sustainability front, FreeMove operators provide Europe's business community with a credible, transparent, and sustainable infrastructure.

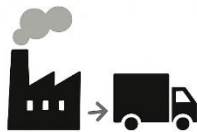
By partnering with us, businesses not only gain reliable connectivity but also actively contribute to the world's net-zero transformation.

Appendix

ESG METRICS – PER GROUP	Deutsche Telekom	Orange	Telia	TIM	Swisscom
Sustainability report 2024	LINK	LINK	LINK	LINK	LINK
Percentage of renewable electricity 2024	100%	48%	100%	84%	100%
100% renewable electricity target/achievement year	2021	N/A	2020	2025	2010
Net-zero target year (Scope 1+2+3)	2040	2040	2040	2040	2035
Scope 1 CO2 2024 (tCO2e)	236,355	350,581	5,473	52,402	10,927
Scope 1 CO2 2023 (tCO2e)	239,602	325,510	5,435	104,418	12,467
Scope 2 CO2 2024 (tCO2e) - market-based	16,212	679,483	7,670	103,375	0
Scope 2 CO2 2023 (tCO2e) - market-based	17,957	655,526	6,621	232,269	0
Scope 3 CO2 2024 (tCO2e)	10,141,734	4,501,880	627,623	2,025,400	320,866
Scope 3 CO2 2023 (tCO2e)	10,360,124	5,087,834	748,976	1,928,756	307,259
Energy consumption 2024 (MWh)	11,925,733	5,017,348	1,095,703	2,214,006	541,827
Energy consumption 2023 (MWh)	12,241,281	5,232,677	1,239,772	1,818,000	542,364
Waste 2024 (t)	71,385	68,746	56,786	5,395	3,489
Waste 2023 (t)	86,921	59,896	79,000	9,344	4,123

SCOPE 1 Direct emissions

Emissions from
sources the company
owns or controls



What we burn
ourselves

SCOPE 2 Indirect energy emissions

Emissions from the
electricity, steam,
heating, or cooling
the company buys
and consumes



What we buy to
power our operations

SCOPE 3 Value-chain emissions

Emissions from the
supply chain and
product use



Everything beyond
our gates

For more information, you can reach out to us on our website:

<https://www.freemove.com/contact-us/>

Created on: November 21, 2025