How Orange commits to a Sustainable Home



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Vantiva



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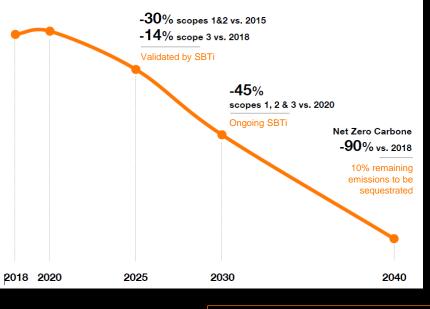
prpl Summit - October 23, 2023

orange

Orange Commitment : Reach Net Zero Carbon in 2040



CO₂e trajectory



Levers :

- Energy efficiency: contained growth in electricity consumption
- Renewable energies: new electricity supplies
- Circular economy: network and end-user equipment eco-design, collection, repair, refurbishment, recycling...
- Suppliers' relation: purchase of reconditioned equipment, CSR criteria in RFPs...

+ capture and store the 10% of remaining emissions

Q

Orange Group & Home devices carbon footprint



- Use category up to 90% of CPE carbon footprint
- Home devices (Manufacturing + Use) up to 20% of the telco carbon footprint

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Our actions

To reduce "manufacturing phase" impact

Eco-design approach and lifecycle analysis to challenge needs and assess impacts

Recycled material (packaging, casing, metals), use of critical raw material, compact size...

Design product to enable their refurbishment

Easy disassembling, resistance to scratches, repairable parts, spare parts availability...

Engage suppliers to support our objectives

• CSR score weight of 20% in all RFP

3,5 M CPE collected/year 85% are non faulty

To reduce "use phase" impact

Improve energy efficiency to reduce power consumption over product lifetime

- Implement low power modes
- Deactivate non used features

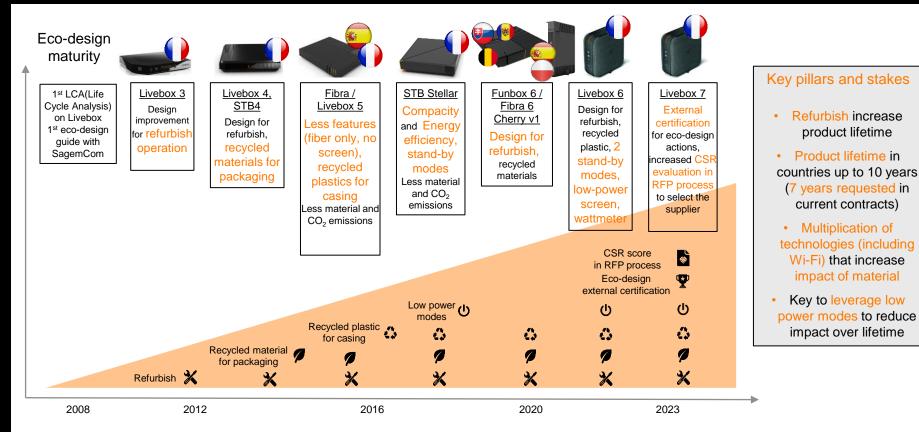
Chipsets configuration, e-Ink screen, Wi-Fi 6 deactivation...

Exploration of new features to improve devices consumption

IA models, Wi-Fi and WAN interfaces shutdown...

50% saving on STB use when deep stand-by mode is activated

Initiatives on eco-design growing for more than 10 years



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What prpl can do to support sustainability objectives

oprp

What we already have

App Environment (prpl LCM): •SW & data innovation → CPE lifespan •E2E service optimization → a CPE app component •Energy consumption optimization → a CPE app

What we still need

prpl's Low-Level API:

- Standard API for SoC low-power modes
- Standard API to switch on/off HW components

prpl's High-Level API:

Energy management capabilities for apps

Orange is eager to bring its Green experience to Purple

Orange Innovation

Thank you

