

Solution brief

Accelerate sustainable network evolution through circularity

Maximize asset value and reduce environmental impact with trusted, end-to-end circularity

NOKIA



Nokia Circular Products and Services helps communications service providers advance their network and sustainability goals through a trusted, end-to-end approach to circularity.

As operators modernize and expand their networks, Nokia helps them maximize asset value, reduce environmental impact and support ESG objectives across the network lifecycle.

By embedding circularity into network evolution strategies, customers can extend equipment lifecycles, recover value from surplus assets, reduce waste and embodied emissions, and use valuable resources more efficiently—all while benefiting from Nokia quality, expertise, warranty and support.



The circularity challenges operators face today

Key pain points on the path to net-zero networks

Growing network
e-waste

Network modernization is increasing the volume of surplus equipment that must be managed responsibly.

Decarbonization
and ESG
Commitments

Operators need to advance net-zero ambitions and reduce lifecycle emissions.

Pressure
to improve
investment
efficiency

Operators must balance network growth and modernization with the need to optimize costs.

Evolving
Regulatory
and Reporting
Requirements

Operators face increasing sustainability, circularity and disclosure expectations.

Circular products and services across the network lifecycle

Extending asset life, recovering value and reducing environmental impact

Circular consultation

Define circular solutions aligned with network, business and sustainability goals.

Reuse and resell

Extend asset value through the reuse and resale of circular products & parts

Collection

Collect, consolidate and segregate surplus network assets

e-waste and recycling

Manage e-waste responsibly, minimize landfill and maximize energy recovery

Refurbishment

Extend equipment life through screening, testing, repair and refurbishment.



Asset recovery

Recover value from surplus and decommissioned network assets through takeback and buyback solutions.

Refurbishment

Restore eligible customer-owned equipment for continued use in the network.

Circular products & parts

Access quality-assured circular equipment and parts for network growth, modernization and spares needs.

Recycling services

Responsible e-waste management that maximizes material recovery and minimizes landfill disposal.

Delivering value across multiple dimensions



Sustainability & ESG

- Reduce e-waste and landfill disposal
- Support circularity and resource-efficiency goals
- Reduce demand for virgin raw materials
- Contribute to carbon reduction objectives
- Strengthen sustainability reporting and ESG initiatives



Financial Value

- Recover value from surplus network assets
- Optimize CapEx and OpEx investments
- Improve the utilization of existing assets
- Extend equipment and component lifecycles
- Lower total cost of ownership



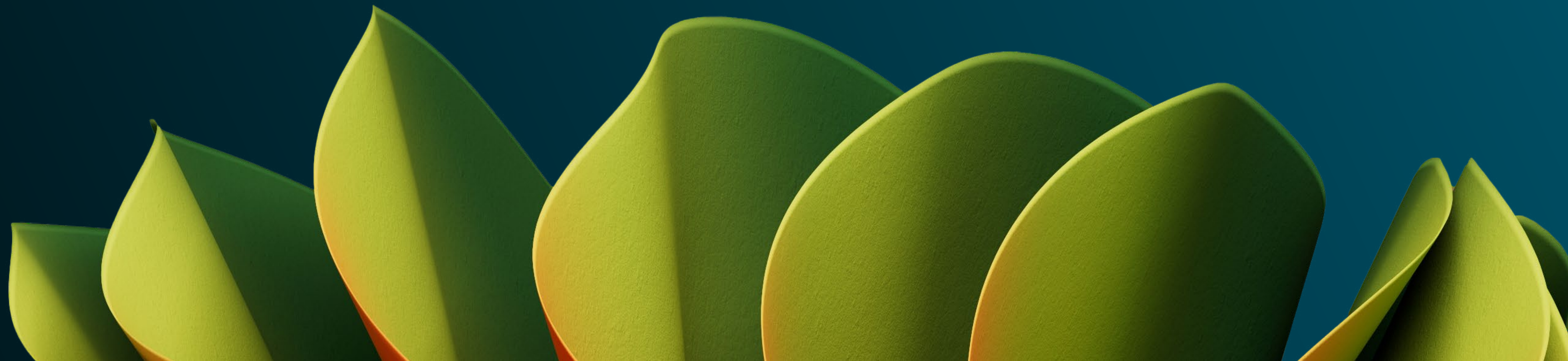
Network Value

- Enable network growth and modernization
- Access quality-assured circular equipment and parts
- Extend the useful life of network assets
- Improve spares availability and lifecycle management
- Improve deployment flexibility



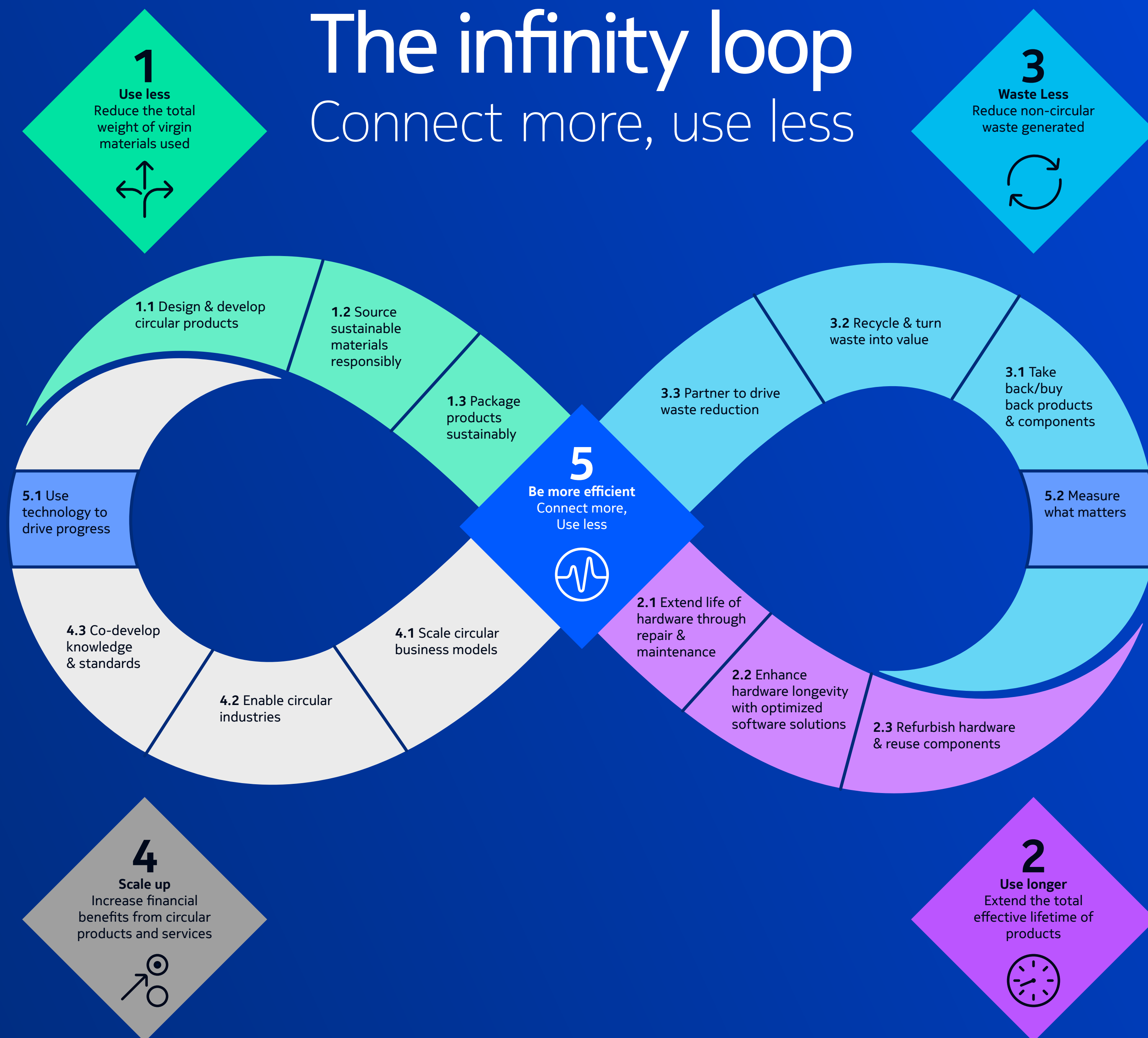
Trusted Partner

- Nokia quality standards and expertise
- End-to-end circularity portfolio
- Global reach and ecosystem
- Responsible e-waste management
- Transparent and accountable lifecycle processes



The infinity loop

Connect more, use less



What Nokia does

Use Less

- Enable circularity through low-carbon operations, including renewable electricity.
- Support circularity through sustainable sourcing and packaging.
- Design lighter, modular, and repairable products.

Use Longer

- Extend product life through repair, maintenance, and software-led upgrades.
- Refurbish and reuse Nokia hardware

Waste Less

- Recover materials through take-back programmes.
- Recycle waste and turn it into value.

Scale Up

- Scale circular businesses and enable circular industries through digitalization.

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NOKIA

About Nokia

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