cigre Nederland

1 February 2024

Towards net-zero emission of T&D grids

SUPPLIER PERSPECTIVES

NKT

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cigre

For power system expertise

We connect a greener world

Our Business Lines cover the entire path of electricity

Resources → Business → Value creation

People

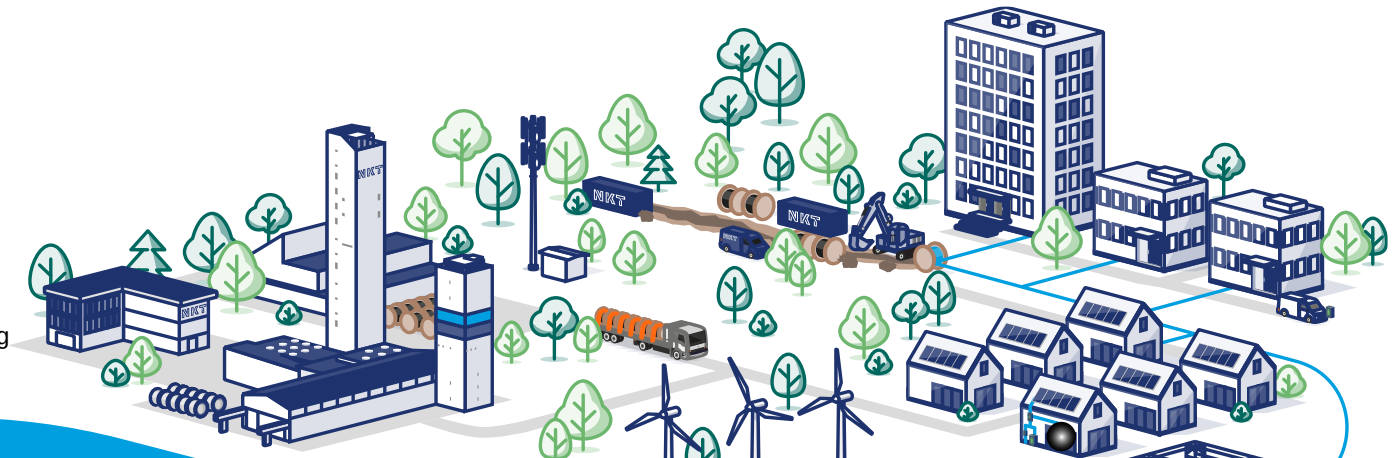
NKT's core consists of a diverse, engaged and highly skilled workforce

Innovation

More than 130 years of pioneering the power cable industry with innovative technology for the future

Partners

NKT's business is built on long-standing relations and strong partnerships



A greener world

Sustainability is at the heart of NKT with a strong focus on connecting a greener world and have net-zero emissions by 2050

Societal value

NKT has a strong focus on ensuring equal opportunities in the organization, actively engaging in local communities and operating according to high safety standards

Customer value

NKT supports its customers with extensive experience, high quality and solutions and services and strong project execution

Shareholder value

NKT is creating shareholder value through business performance

Business lines

Solutions

Specialized in high-voltage power cable solutions for on- and offshore installation

Applications

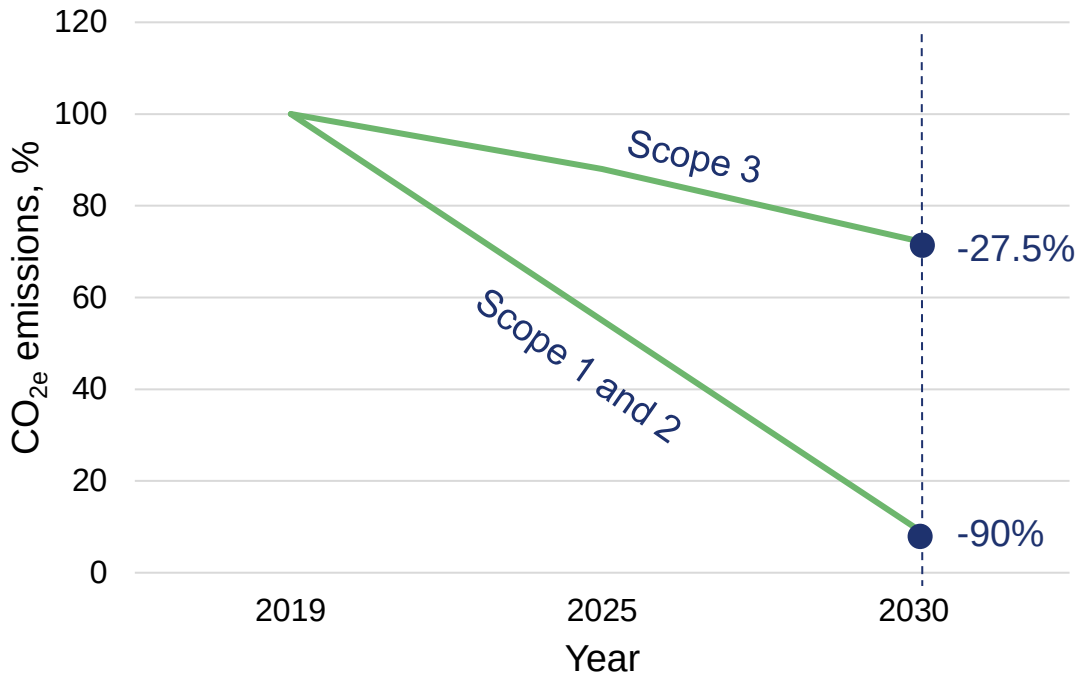
Markets building wires, low- and medium-voltage power cable solutions

Service & Accessories

On- and offshore power cables services and a full portfolio of accessories for power cable systems

Science Based Target initiative (SBTi) has approved the near-term GHG reduction target of NKT

Scope 1 and 2 target ambition is in line with 1.5◦C trajectory

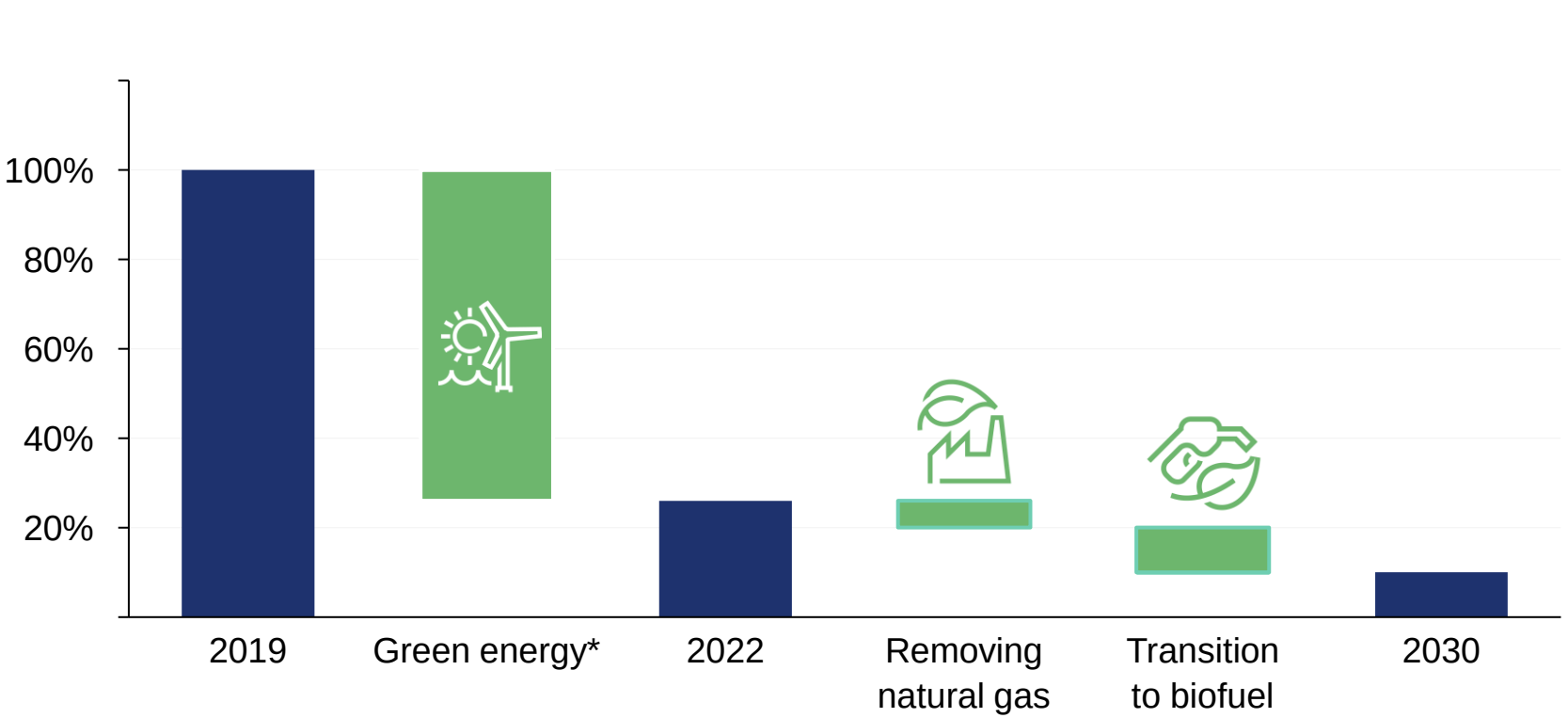


- Reducing its absolute scope 1 and 2 greenhouse gas (GHG) emissions 90% by FY2030 from a FY2019 base year*
- Increasing the active annual sourcing of renewable electricity from 18% in FY2019 to 100% by FY2023 and to continue active annual sourcing of 100% renewable electricity through to 2030
- Reduce absolute scope 3 GHG emissions from purchased goods and services and use of sold products 27.5% by FY2030 from a FY2019 base year

* The target boundary includes land-related emissions from bioenergy feedstocks.

NKT path towards 2030 targets

Carbon emission reduction plan

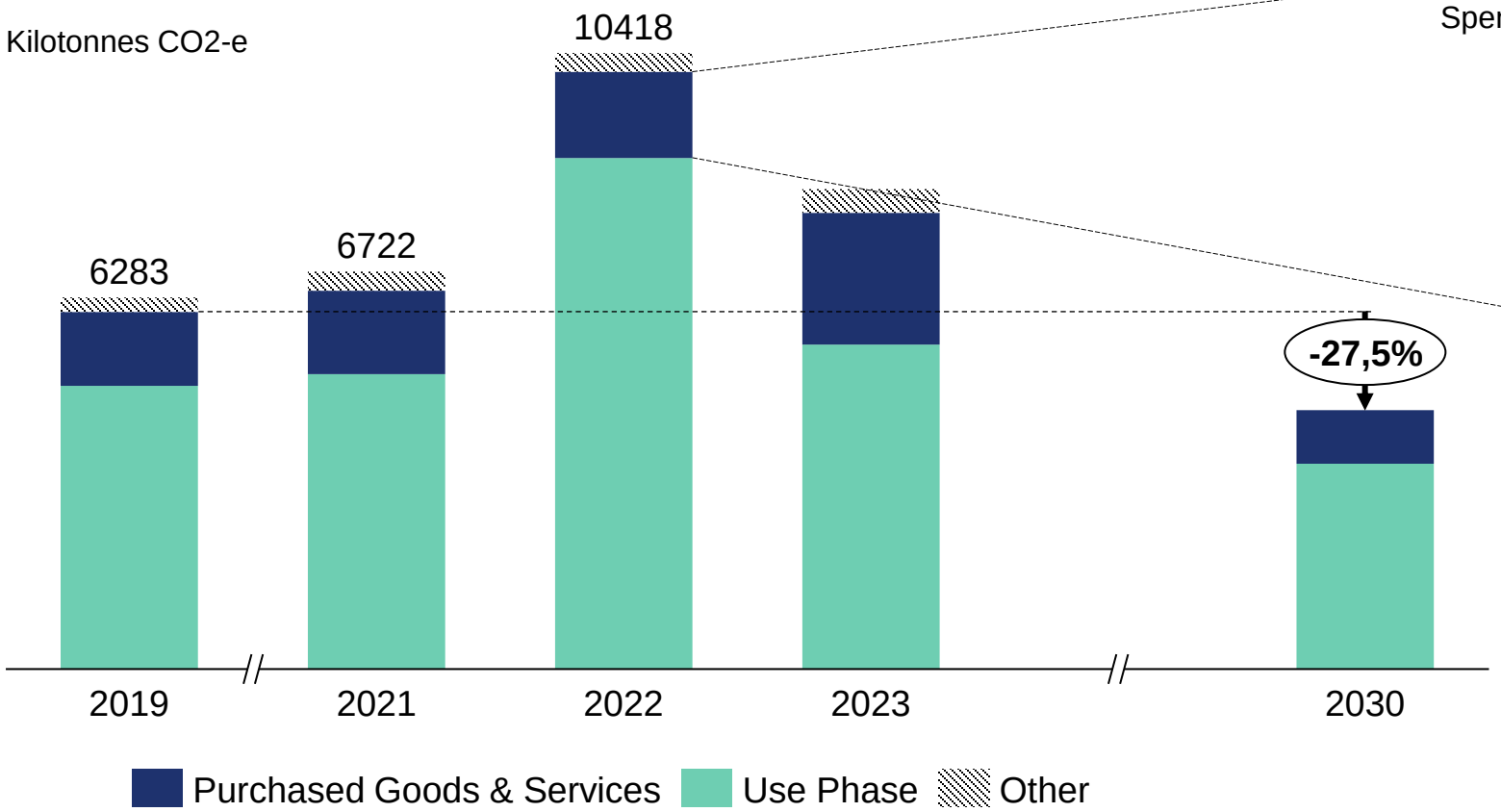


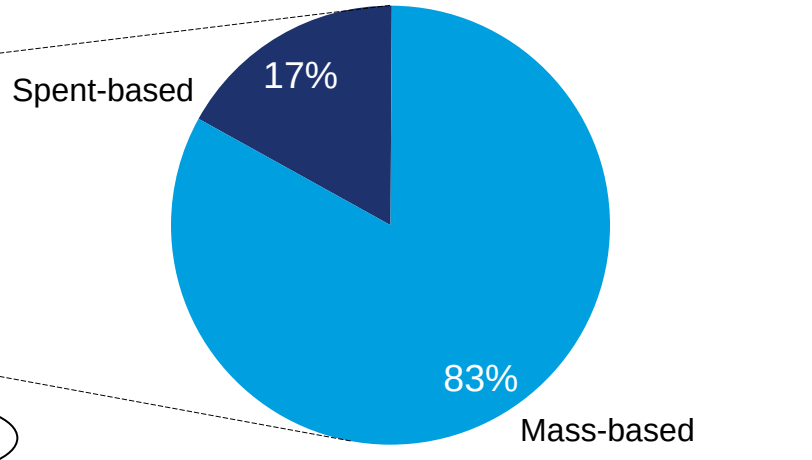
NKT has reduced scope 1 and 2 carbon emissions by 79% from 2019 to 2022

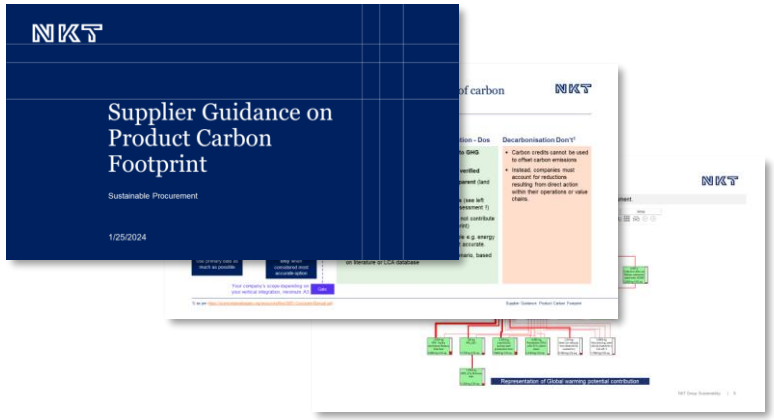
NKT scope 3 emissions

Total scope 3 emissions

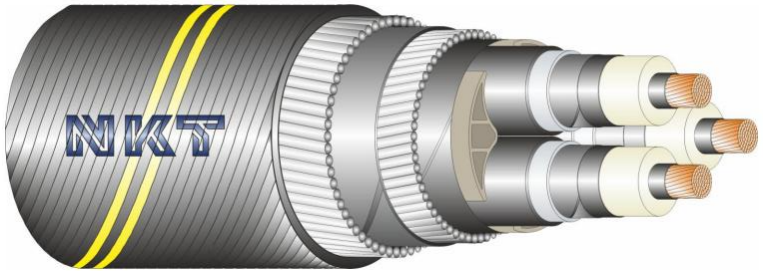
Kilotonnes CO2-e







NKT reduces carbon footprint of power cables to Dogger Bank C offshore wind farm by using low-carbon copper



CO_{2e} reduction of Dogger Bank C power cables = Annual emissions from 7,700 average family cars

35%

Reducing carbon footprint by more than 35% compared to standard cables

NKT Scope 3 Decarbonisation Actions

Engage Suppliers

Gain Transparency

Set Climate Requirements

Enable Green Choices

Low carbon sourcing

Net Zero partnerships

Engage Customers

Foster Eco Design and circularity

Develop green alternative offers

NKT: Product Carbon Footprint

At NKT we model in “cradle-to-gate” approach.

Supplier Cradle to Gate

NKT Cradle to Gate Approach

Mining and extraction

Raw materials

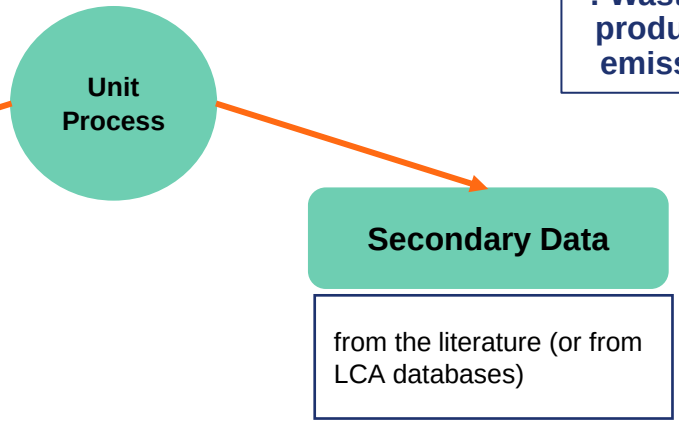
Transportation

Cable Manufacturing : Waste and production emissions

Packaging

Transportation

Installation



Primary data is more accurate
*But far more time intensive

Detailed assessment

- Uses as much primary data as possible
- At least for the key processes
- Time intensive

Streamlined assessment

- Relies on mainly secondary data to produce quick results

Sustainability
- a natural part of NKT

Power to life since 1891

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