11th April 2024

Scottish Infrastructure Projects

- NKT Developments
- Our UK&I Footprint
- Scottish Infrastructure Projects
- Meeting the Challenge of SIRs

1bn EUR capability and capacity investment and more than 500 new jobs in Karlskrona

Expansion at NKT's factory in Karlskrona

Highlights of the investment – significantly increasing capabilities and capacity

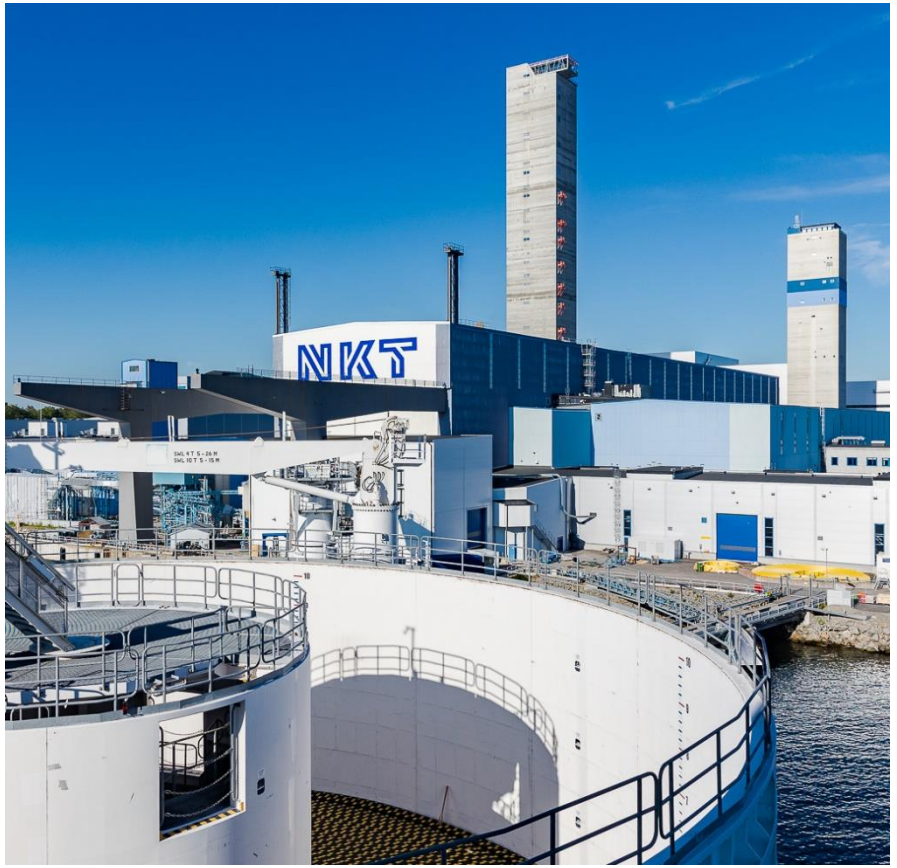
Site XLPE extrusion **capacity increase -** making it the **world's largest sea cable production plant** (seen with MI and XLPE)

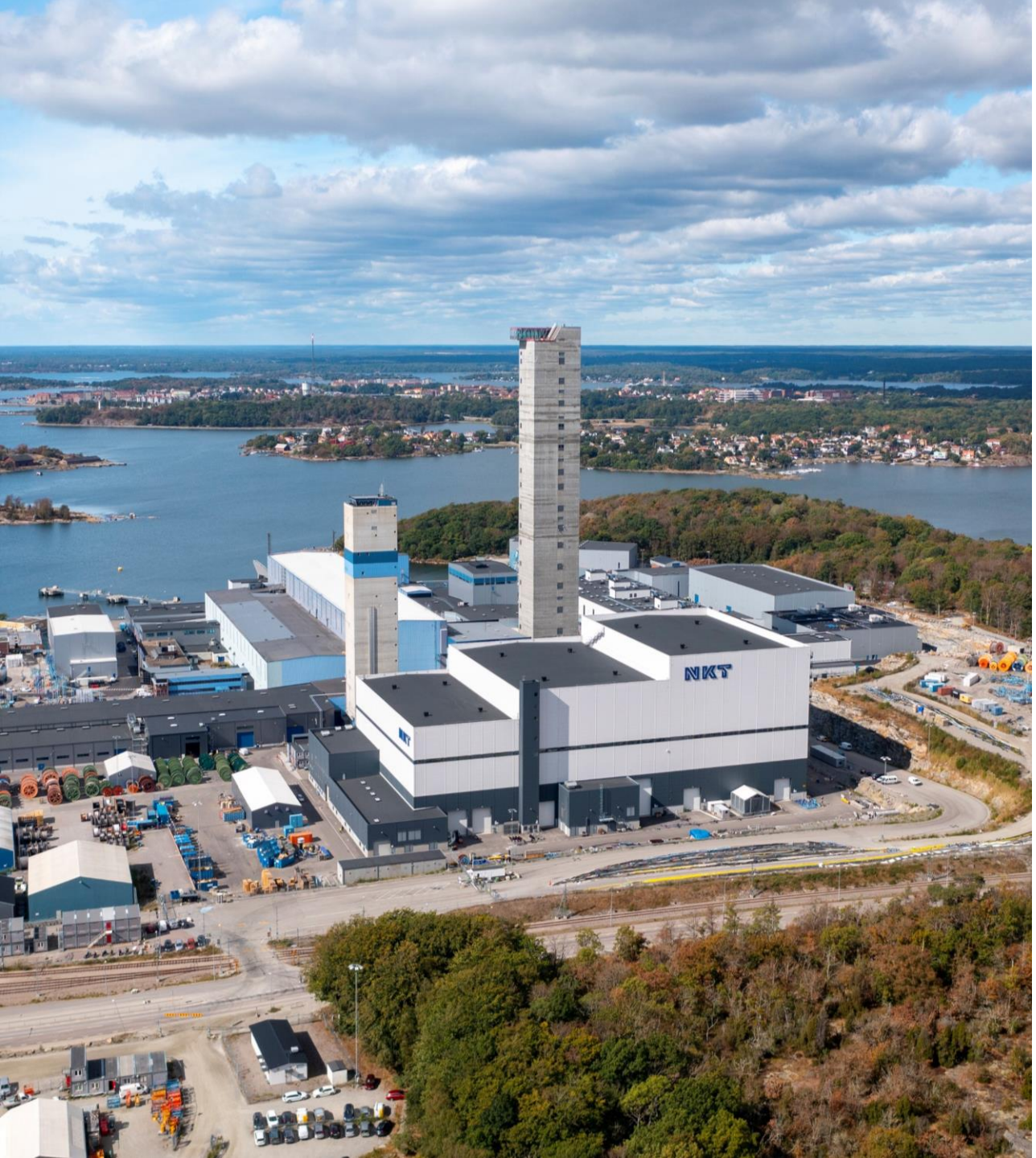
Construction of new approx. **200 m extrusion tower** – **Sweden's second highest tower**

Increase NKT employees by more than 500 persons – **NKTs largest production site** and driving construction work employment as well as sub-contractors in Sweden.

Most advanced and capable cable installation vessel in the world - record capacity added to our fleet

The new assets will be operational from 2027





Karlskrona, Sweden

High-voltage cable with direct sea access and a deep harbour

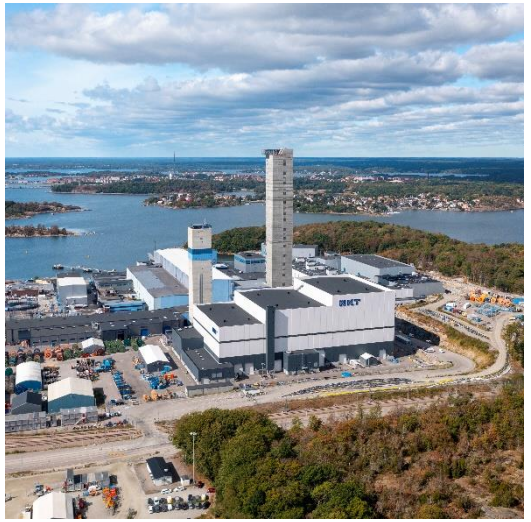
- A NKT centre for production of high-voltage cable systems is situated in Karlskrona, Sweden.
- The main focus of the unit is design, production, testing, installation and service of submarine cables.
- With a strategic location right by the sea the factory is connected to continental Europe. At Karlskrona we operate our own harbour as well as one of the world's most advanced cable laying vessel, NKT Victoria.
- Capability to design and manufacture cables up to 640 kV DC and 420 kV AC.
- The facility is a result of power cable expertise dating back to 1883.

Expansion of Karlskrona high-voltage cable factory

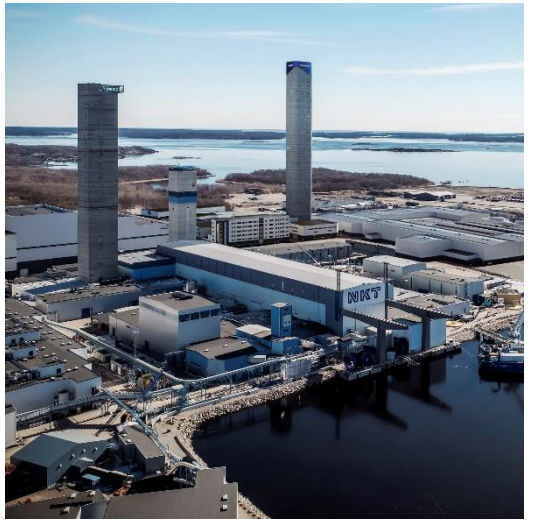
Growing to meet market demands – supporting the green and fair transition

2010 – 2015
- Northern factory and office
- New test halls
- New harbor

2015 - 2017
- Storage capacity
- New vessel NKT Victoria



2020 - 2023
- Second tower NKT Lighthouse
- Additional machine lines



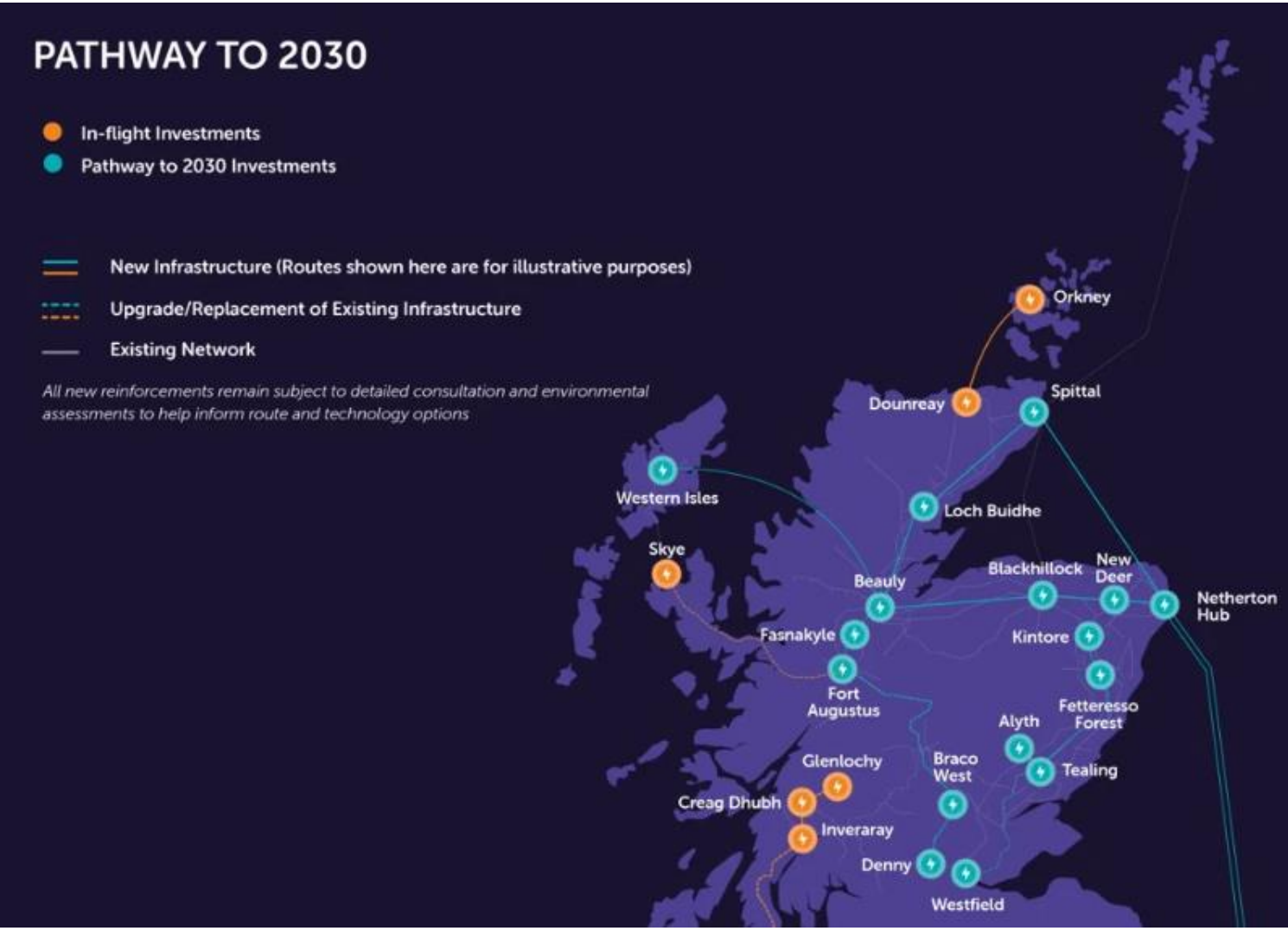
2023 – 2027
- **New factory including a third tower**
- **Second cable laying vessel**

UK&I Track Record

OFFSHORE WIND

Project	Client	Year		Contract	Technology	Total Cable Length	Land/Sea
Burbo Banks	DONG / Ørsted	2006		Supply	220kV HVAC	34km/30km	Land & Sea
Walney	DONG / Ørsted	2012		Supply	33kV HVAC Array	-	Land & Sea
Humber Gateway	E.On	2014		EPCI	132 KV HVAC	28km	Sea
Burbo Banks Ext.	DONG / Ørsted	2016		Supply	220kV HVAC	24km/30km	Land & Sea
Dudgeon	DOWL	2016		Supply	132 kV HVAC	84km	Sea
Galloper	GWFL	2017		EPCI	123kV HVAC	94km	Sea
Walney Extension	DONG / Ørsted	2017		Supply	220kV HVAC	139km/10km	Land & Sea
Hornsea 1	DONG / Ørsted	2018		Supply	220kV HVAC	170km	Land & Sea
Race Bank	DONG / Ørsted	2018		Supply	220kV HVAC	150km	Sea
Triton Knoll	Innogy	2020		EPCI	220kV HVAC	100km	Sea
Moray East	MOWL	2020		EPCI	220kV HVAC	180km	Sea
Hornsea 2	Ørsted	2022		Supply	220kV HVAC	190km	Sea
Dogger Bank A	SSE/Equinor	2023		EPCI	320kV HVDC	105km/8km	Land & Sea
Dogger Bank B	SSE/Equinor	Ongoing		EPCI	320kV HVDC	100km/8km	Land & Sea
Dogger Bank C	SSE/Equinor	Ongoing		EPCI	320kV HVDC	270km/8km	Land & Sea
EA3	SPR	Ongoing		EPCI	320kV HVDC	300km/80km	Land & Sea
Hornsea 3	Ørsted	Ongoing		Supply	320kV HVDC	950km	Sea

Pathway to 2030

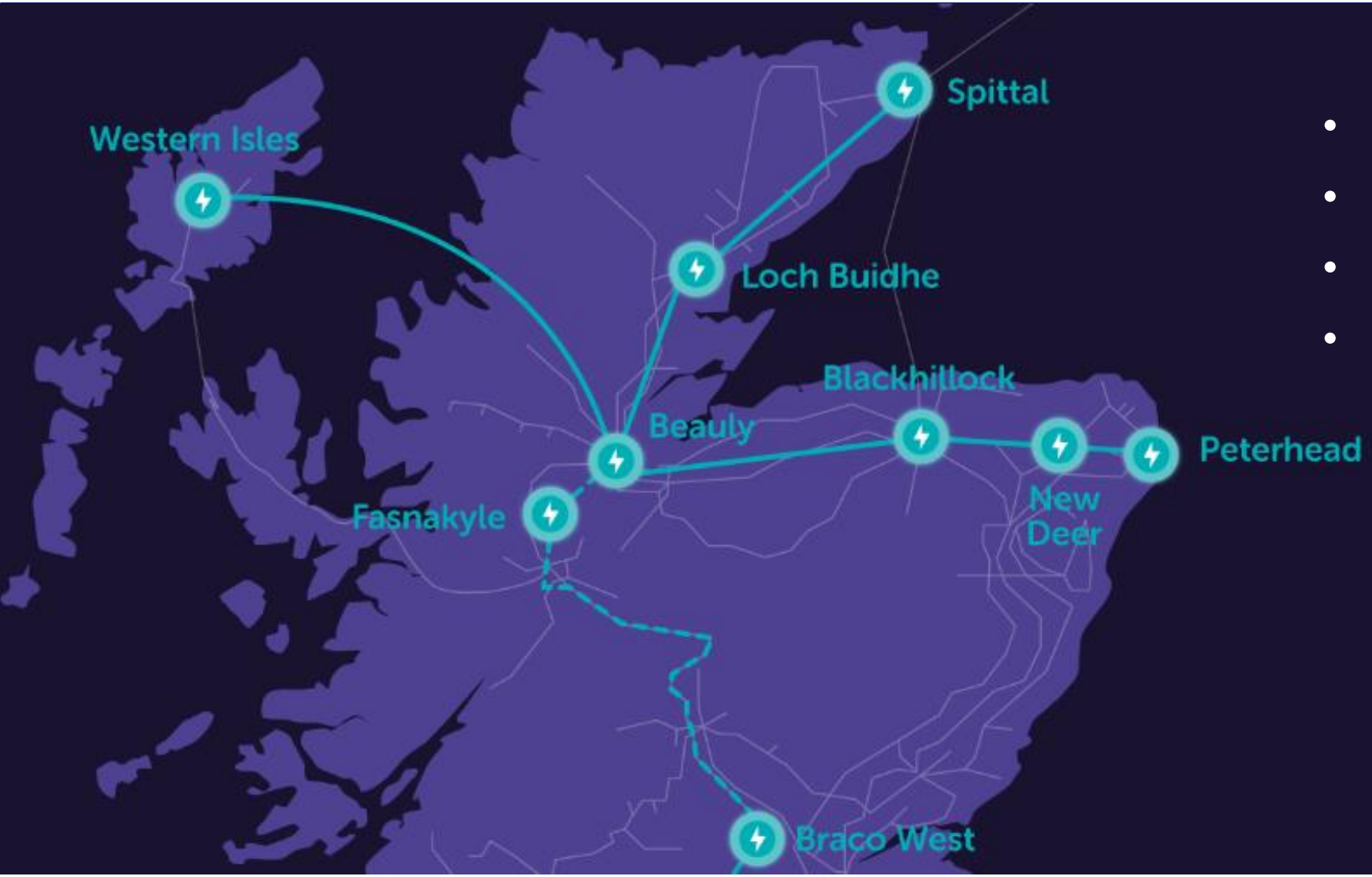


The Western Isles and Spittal-Peterhead offshore HVDC transmission links are part of The Pathway to 2030 Holistic Network Design (HND), which is a major upgrade of the electricity transmission network across Great Britain that is required to help meet UK and Scottish Governments 2030 renewable energy and climate change targets. HND sets out a single, integrated design that supports the large-scale delivery of electricity generated from offshore wind.

Spittal - Peterhead

- Transmission reinforcements
- 2GW 525kV bi-pole
- 100km subsea cable route
- Delivery during 2026-2030

Western Isles



- Transmission reinforcements
- 1.8GW 525kV bi-pole
- 80km subsea cable route
- Delivery during 2026-2030

Sustainability

A natural part of NKT

All cable factories run on renewable electricity since 2020

Saving more than

48,000

tons of CO_2 annually

Reduction of the company's CO_2-emissions for electricity consumption

72%

From 2019 to 2020

Equivalent to

10,398

passenger vehicles driven for one year

Equivalent to

8,148

homes' electricity use for one year

Going above and beyond to reduce emissions

Commit to Science Based Target initiative for Business Ambition for 1.5°C scenario

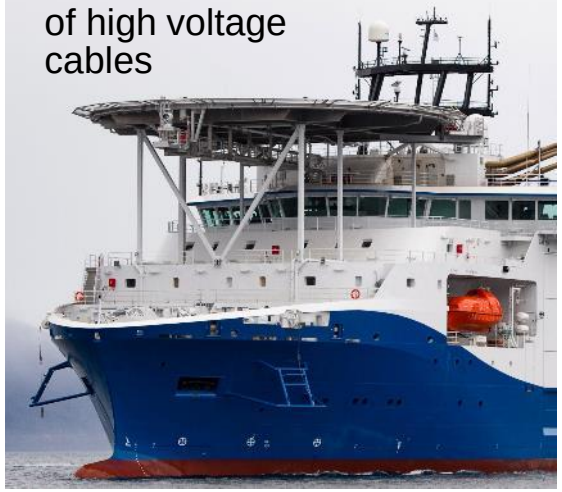
NKT Victoria - sustainability and efficiency at sea

NKT Victoria is certified to run on biofuel

Turntable loading capacity for

9,000 ton

of high voltage cables



Up to

55% CO_2

emission reduction

vs. similar cable laying vessel

Up to

15% CO_2

emission reduction

vs. a small cable laying vessel

Up to

80%

reduction of NO_x emissions

compared to similar vessels