

Nexans
ELECTRIFY THE FUTURE

WINDS OF CHANGE

17 FEBRUARY 2021

04

HOW TO CHANGE?

TRANSFORM
AND INNOVATE

01

GENERATION & TRANSMISSION

02

DISTRIBUTION

03

USAGES

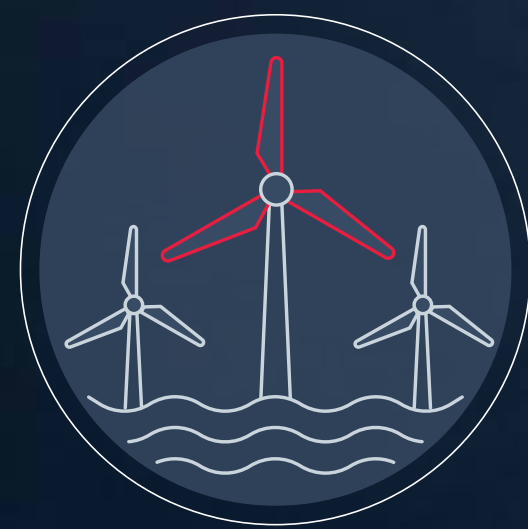
04



WHAT IS GENERATION AND TRANSMISSION?



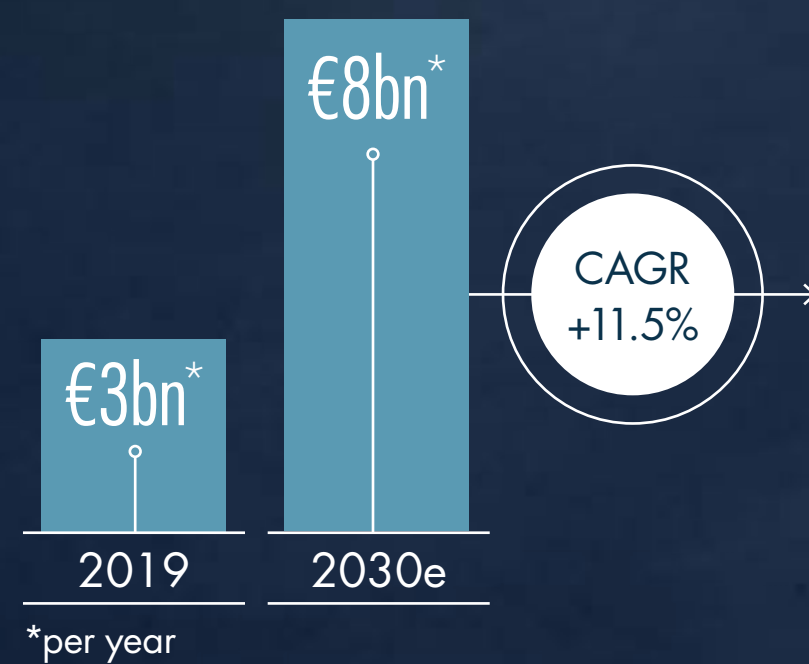
OFFSHORE WIND FARMS ENABLE THE GREEN TRANSITION 2.5X CABLE MARKET GROWTH NEXT DECADE



OFFSHORE WIND FARMS

CENTRALISED GENERATION

CABLE MARKET FORECAST



ESSENTIAL COMPONENT

Cables are becoming **more powerful, dynamic and covering longer distances**

83%
of the cost of Offshore Wind Farm construction claims are cables generated

MAIN DRIVERS

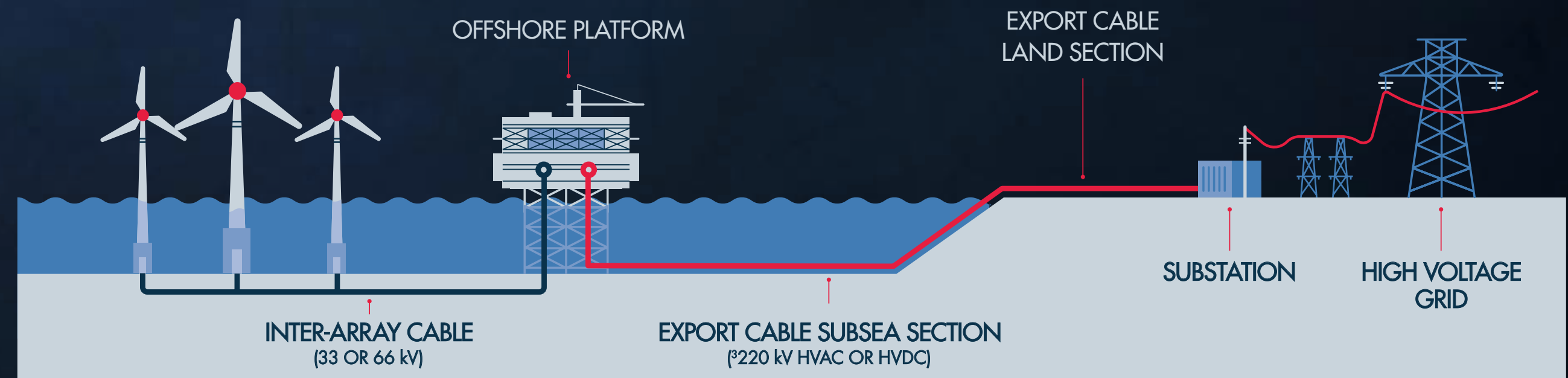
COMPETITIVE COST OF ENERGY VS OTHER RENEWABLE SOURCES

PEOPLE ACCEPTANCE

€250-400m
of cable value per GW installed

+200GW
to be installed by 2030

VALUE CHAIN OF OFFSHORE WIND FARM



BUILDING THE ENERGY HIGHWAY BRINGING ENERGY FROM THE GENERATION AREA TO THE CONSUMPTION AREA



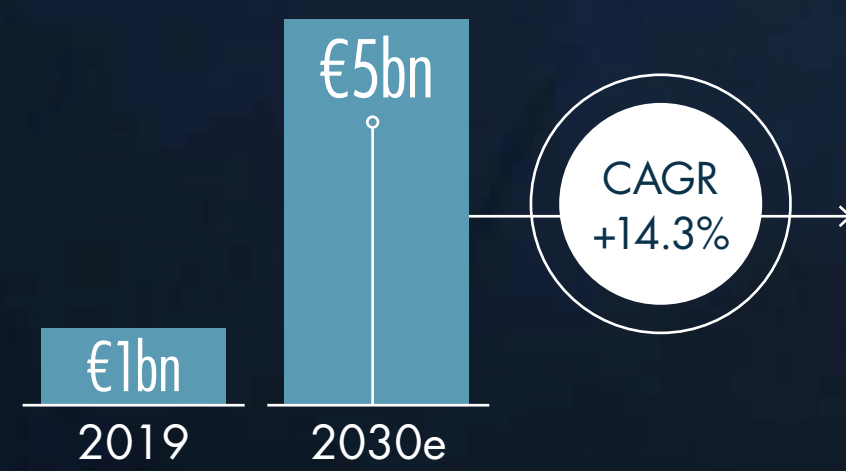
INTERCONNECTIONS TRANSMISSION

TRANSMISSION

INCREASING SHARE OF RENEWABLES BUT GEOGRAPHICAL MISMATCH

MASSIVE INVESTMENTS IN NEW CABLE LINKS TO SECURE ELECTRICITY SUPPLY

CABLE MARKET FORECAST



MAIN DRIVERS

MORE POWER, LONGER DISTANCES, GREATER DEPTHS

+72.000 km

High voltage power cables to be installed between 2020 - 2030

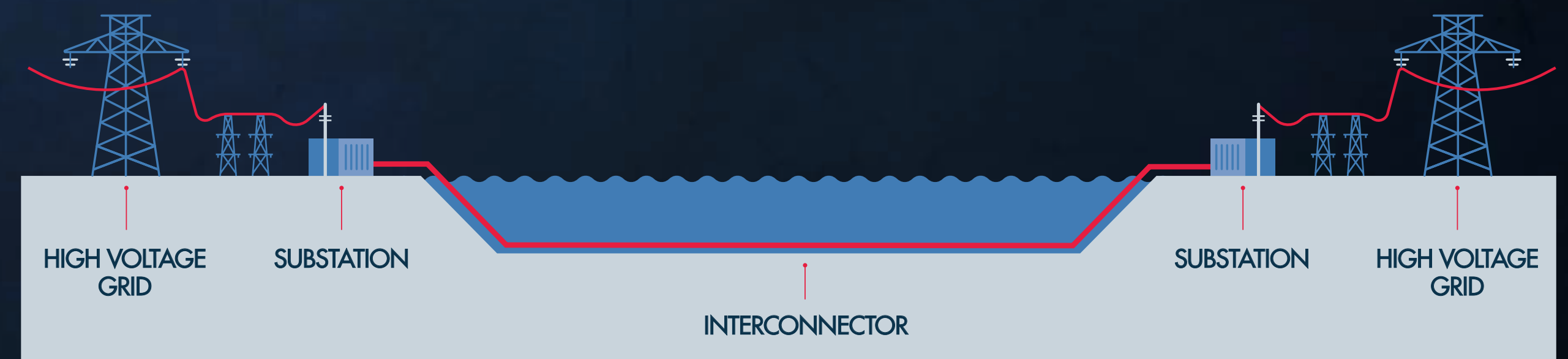
>€25bn

to be invested in cable links in the US over the 2021-2030 period. Nexans estimate of HVDC Land cable to renew US grid by 2030

>60+

large projects in EU and APAC

VALUE CHAIN OF SUBSEA INTERCONNECTION



NEXANS HAS INVESTED > €500m IN THE ENERGY TRANSITION AT A TARGETED IRR > 20%



FOCUS OUR RESOURCES IN THE BEST PORTFOLIO MODELIZE TO PRICE RISK AT ITS FAIR VALUE

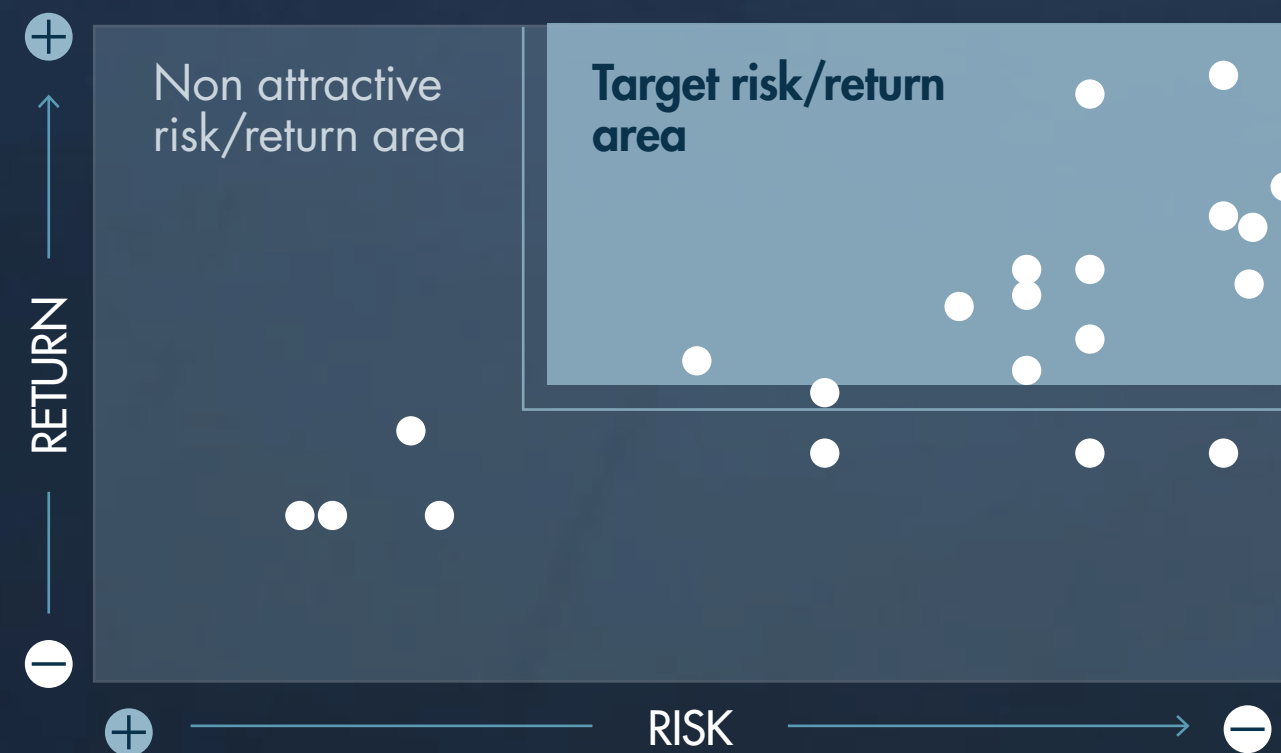
#01 PROJECT RISK

- Technology risk
- Statistics of past projects
- Terms & conditions

#02 ASSETS YIELD

- Vessels & Installation tools
- Cable manufacturing plants

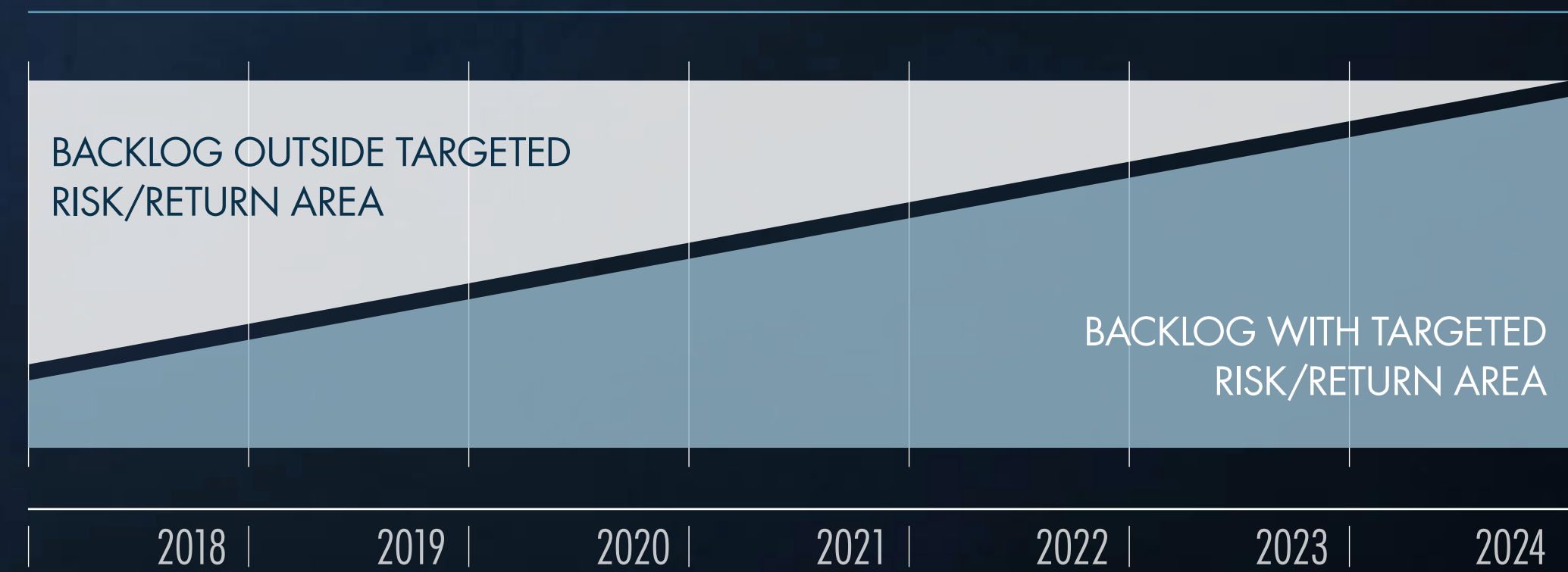
#03 TENDER SELECTIVITY



Nexans has reshuffled the backlog, lowering risk while yielding capacity and improving returns.

SHIFT Project modeling enables us to go one step further in asset modeling and risk management.

NEXANS BACKLOG PROFILE (ILLUSTRATION)



BUILDING RELIABLE GREEN ENERGY GENERATION & TRANSMISSION COMBINING ANALYTICS WITH A SOUND RISK MANAGEMENT TRACK RECORD



Nexans end-to-end approach of risk management for Subsea and Land EPCI projects combine robust processes, advanced modelization tools and an historic database for the best results.

DESIGN AND ENGINEERING

MANUFACTURING

INSTALLATION

83%

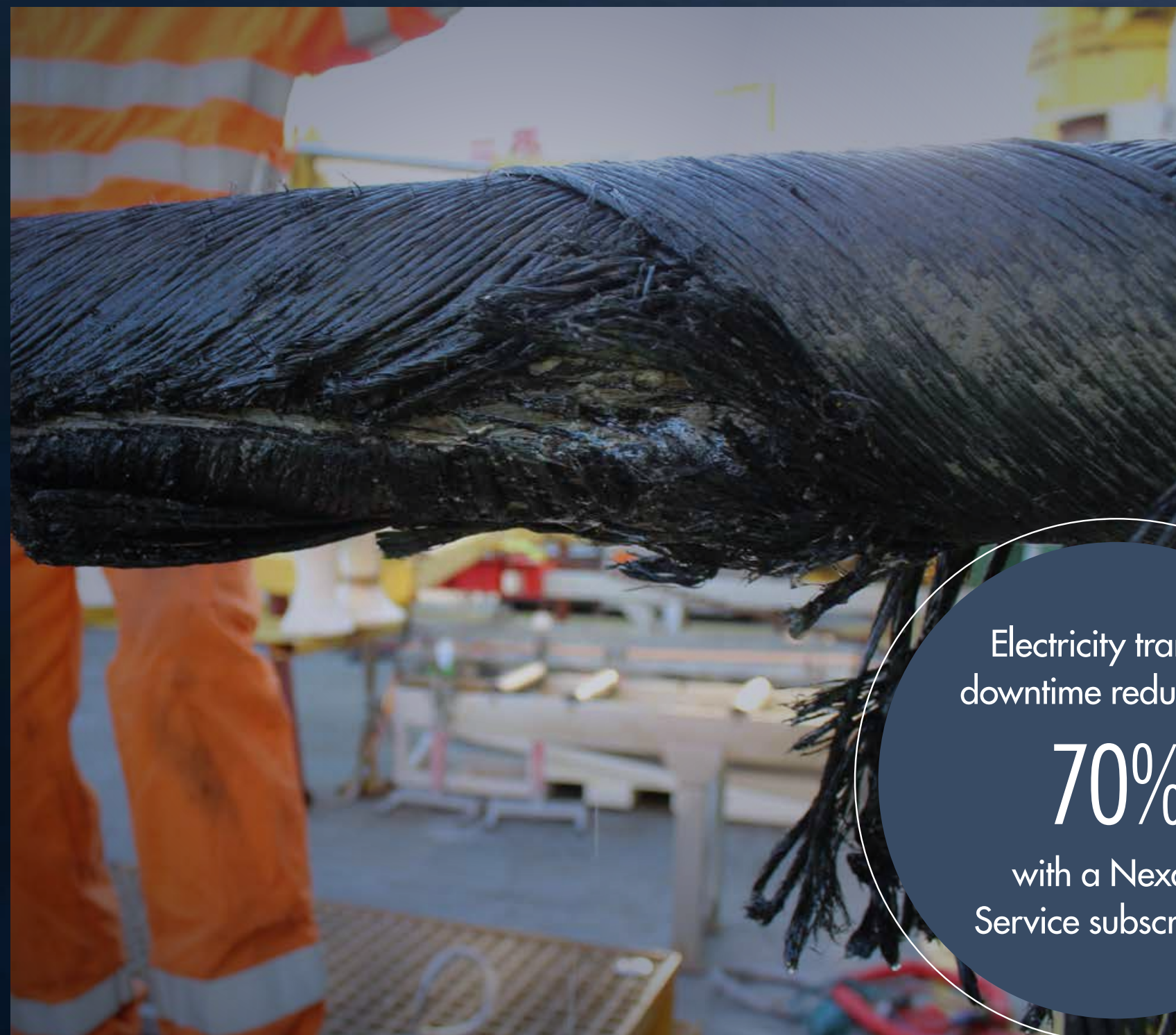
of claims linked to cables from 2012–2017 for Offshore Wind Farm projects

A PARTNERSHIP TO BRING PROJECT & RISK MANAGEMENT A STEP FURTHER

- Certifies the Nexans way of managing EPCI projects & risks
- Develops new standards for the OWF and Interconnection industry
- Reduces risk profile of such projects
- Reduces Nexans time to market



MANAGE CRITICAL GENERATION & TRANSMISSION ASSETS SECURE ENERGY SUPPLY



Electricity transfer
downtime reduced by
70%
with a Nexans
Service subscription

€9.3bn

Expected cost of 2020-2030 interconnection cable outage, which is 2x to 5x more than during the previous decade

1 YEAR

Worst case repair duration due to complex engineering asset availability, legal processes and expert availabilities

NEXANS BUSINESS CONTINUITY SOLUTIONS

Reduce downtime losses



SURVEILLANCE



ASSET MANAGEMENT



ANTICIPATION



EMERGENCY REPAIR

PUSHING TECHNICAL FRONTIERS BROADENING THE SCOPE OF POSSIBILITIES FOR OUR CLIENTS

2020

CUTTING EDGE TECHNOLOGY

HVDC Extruded:

525kV Subsea and Land cable system

Long Distances:

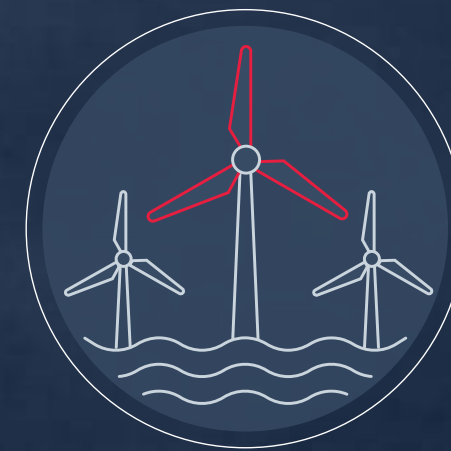
World's longest HVDC interconnector 525 kV – 623 km

Deep Water Applications:

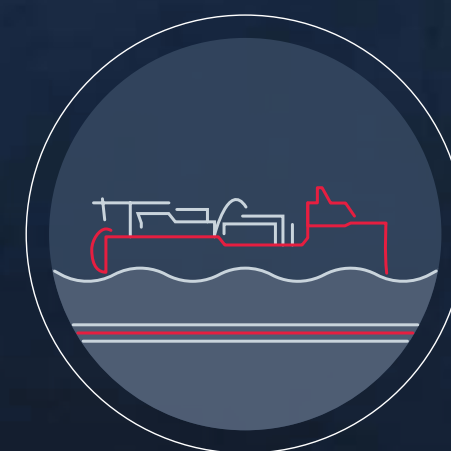
- World's deepest 420 kV XLPE cable – 550 m water depth
- Nexans' deepest HVDC interconnector installed at 1,500 m water depth
- Hybrid cable at 2,300m

Dynamic Applications:

Dynamic HV cables to world's first floating offshore wind farm



OFFSHORE
WIND FARMS



INTERCONNECTORS

2024

AMPLIFY TECHNOLOGY LEADERSHIP

- **Increase voltage levels beyond 525kV for our subsea and land cables systems**
- **Deep water applications down to 3,000m**
- **Advanced cable systems for floating Offshore Wind Farms**
- **Next generation cable installation and protection**
- **Amplify technological leadership through HVDC Powerboost™, Nexans proprietary solution for thermoplastics**