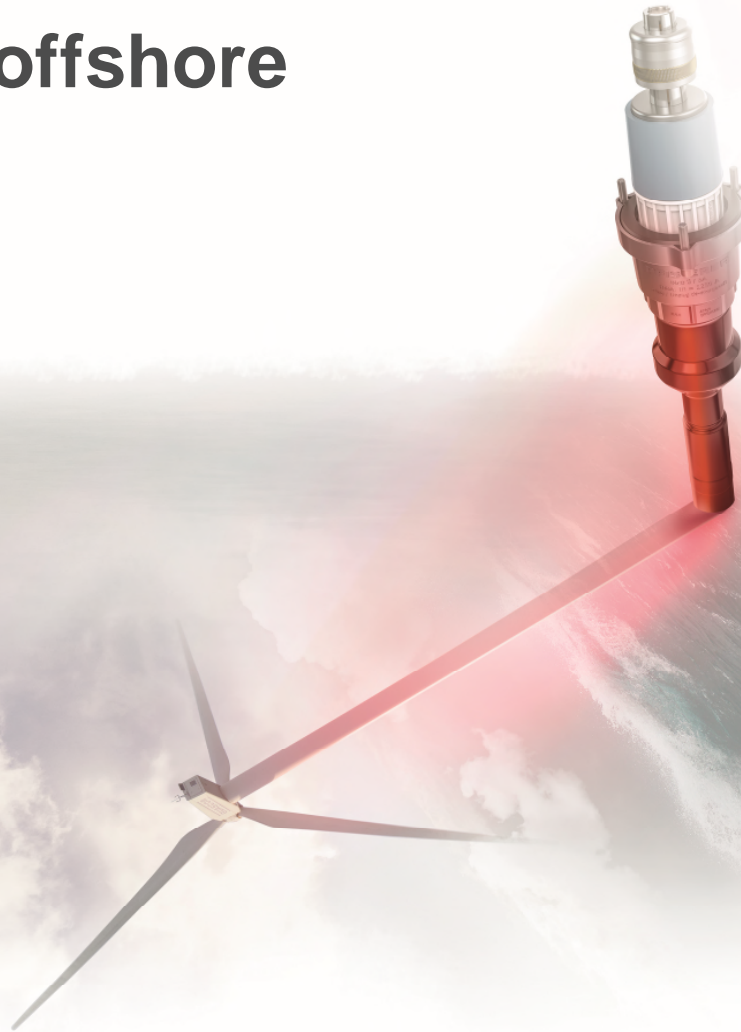
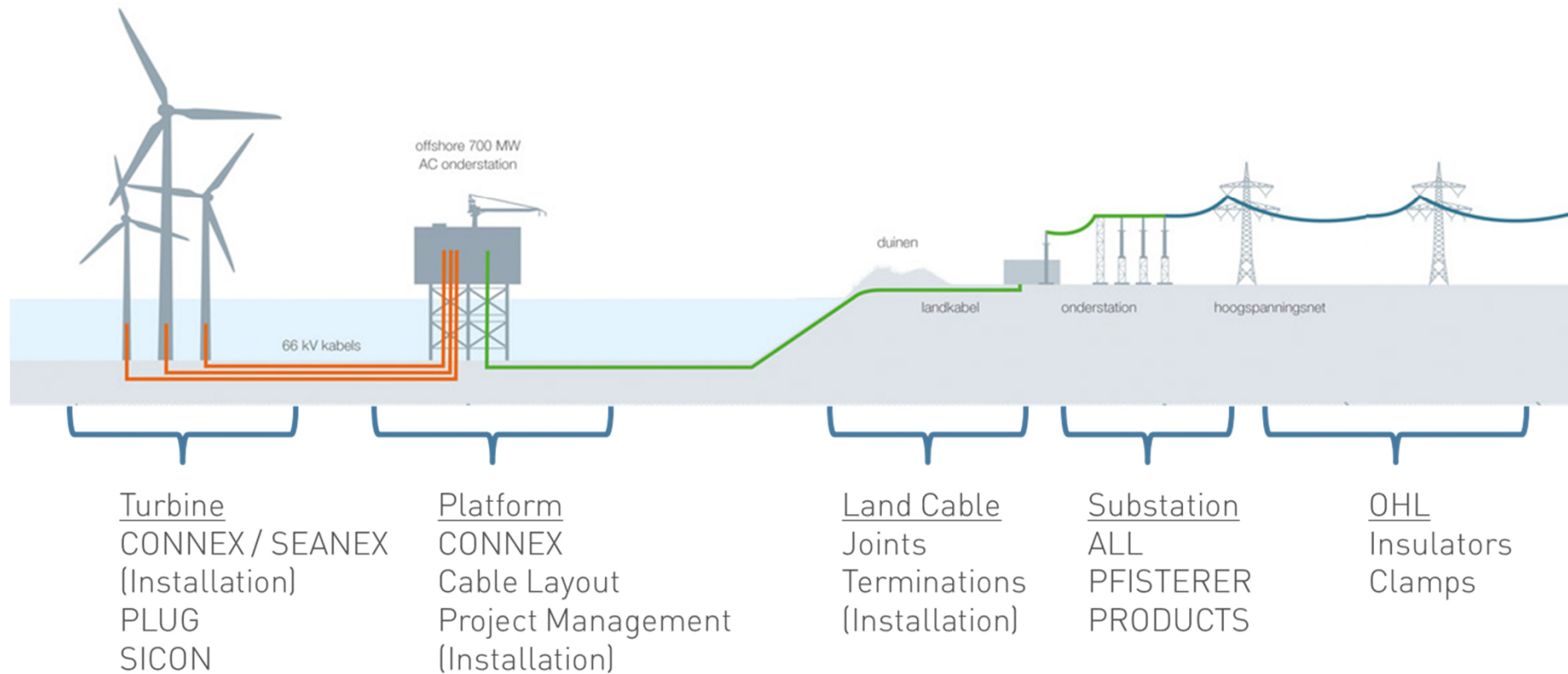


SEANEX 66kV plug-in cable connections tailored to an offshore environment



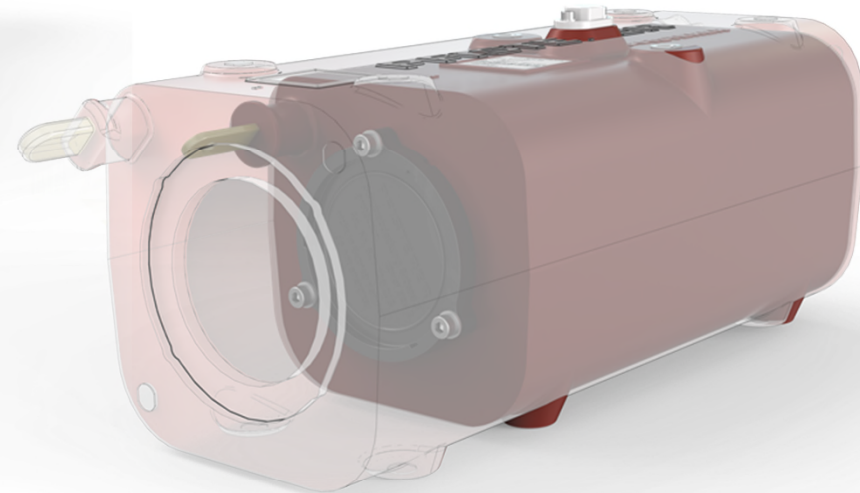
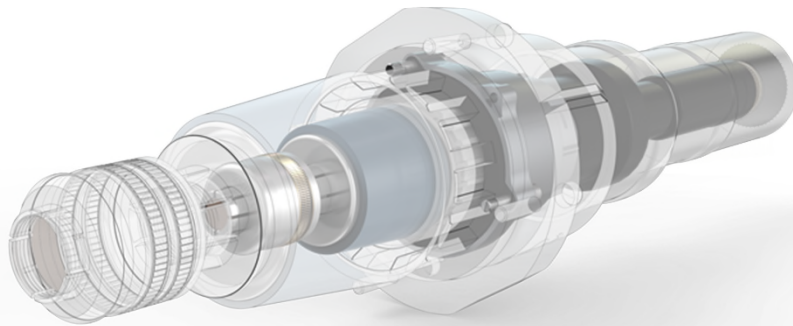
Where PFISTERER is used



SEANEX

The most compact connection system for 66 kV

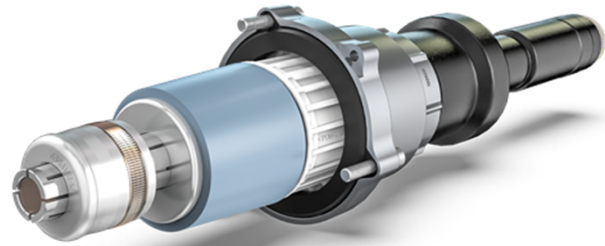
Size 4 **vs.** SEANEX



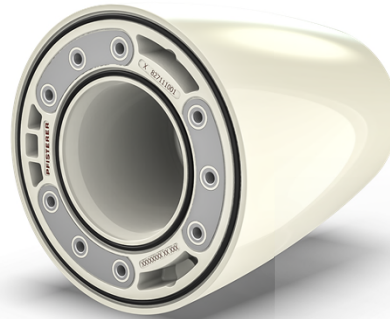
 **-30%** Compared to size 4

SEANEX

The key data



The connector



The socket



The joint

Nominal voltage

66 kV

Nominal current:

up to 1250 A

IP protection class:

67

Weight:

Connector: 3.5 kg

Max. operating voltage

72.5 kV

Standards:

EN 50637

IEC 60840

Expected life span:

40 years

Socket: 5 kg

Joint: 30 kg

Turbine: pre-mounted transition cables and assets

- Plug & Play when cables come pre-mounted with PFISTERER connectors
 - Significantly lowers installation time and risks offshore
 - Less pulling of heavy IAC
 - Super flexible cable strands support ease of installation
 - No need for HV testing after installation
 - Clear contractual division point of packages between IAC and WTGs
 - Connecting IAC to the GIS



Platform possibilities

- Several possibilities for connecting the platform at every voltage level
 - Standard product supply
 - Pre-terminated superflexible cables (66kV – 155 kV)
 - Turn-key project including engineering, procurement and on-site installation



Offshore Wind Pioneers

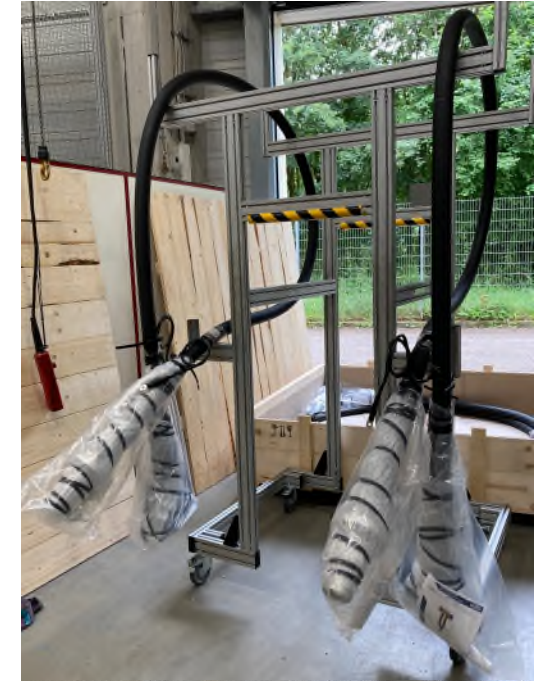
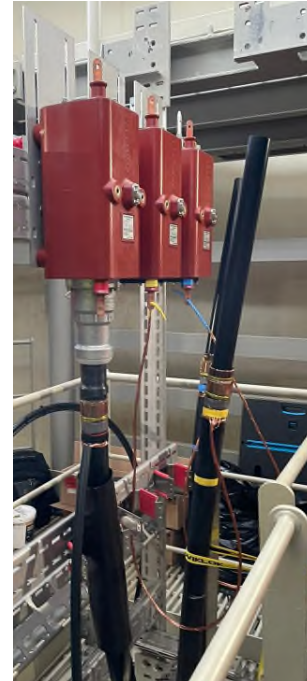
- More than a decade of experience from numerous offshore wind projects
- Working with all top OSW developers and all tiers of supply chain
- Close cooperation with manufacturers of switchgears, transformers and cables
- Joint IEC qualification packages with many manufacturers

Examples

- | | | |
|-------------------|----------------|---------------|
| ▪ Q7 | ▪ DolWin 1 | ▪ Borkum West |
| ▪ Alpha Ventus | ▪ DolWin 3 | ▪ Moray East |
| ▪ Global Tech 1 | ▪ DolWin 6 | ▪ Seagreen |
| ▪ East Anglia One | ▪ BorWin gamma | |

Case Study – Seagreen Project

- Description
1,075MW (114 turbines) Offshore Wind Farm off the coast of Scotland
- Years of application: 2020-2022
- Products: SEANEX 3A connectors and EP joints, pre-assembled superflexible dropper cables, earthing plugs



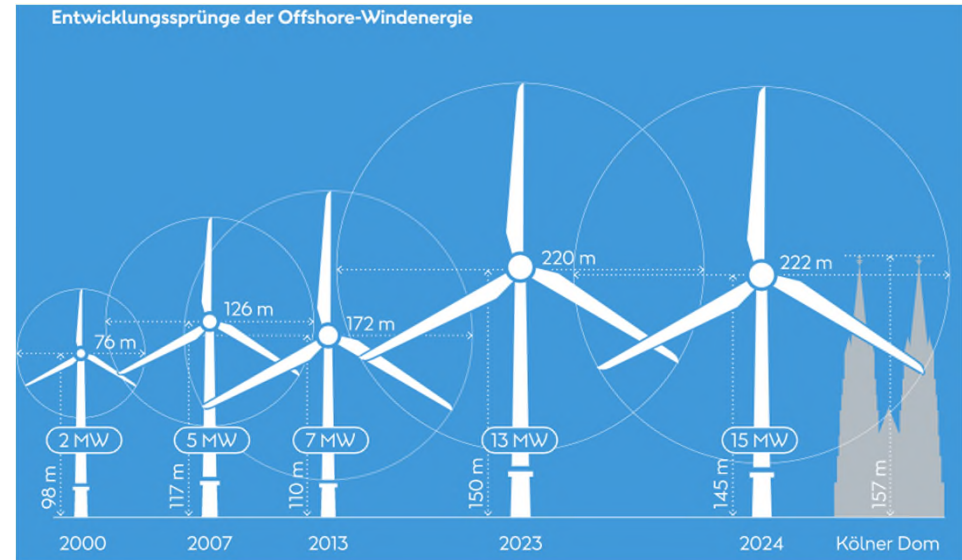
“The SEANEX connection system has helped us simplify our fabrication and delivery activities by providing a clear interface point between the inter-array cables and the turbine, accelerating the project execution and saving time and costs while providing a permanently robust and secure connection.”

James Allen, Lead Engineer Array Cables
Seagreen at SSE Renewables

Development Projects

SEANEX 145kV

- Increase of system voltage of the wind turbines from 66kV up to 145kV and transmission power to 15+MW



- Development of new Seanex Portfolio for 145kV, based on the established system for 66kV
- Full product range with EP-Joint, Socket, Connector, Surge Arrester by end of 2024

Many thanks for your attention

PFISTERER
the power connection