Floating wind

Mooring line capability

Dr Payam Pourmand

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Bridon-Bekaert, part of Bekaert



Founded in 1880 by Leo Leander Bekaert



No1 in steel wire and rope manufacture



Serving customers in 120 countries through our 29 000 employees worldwide

€ 4.3 billion sales in 2018

Listed on Euronext[®] Brussels



Bekaert: committed to floating wind



Bridon-Bekaert Unrivaled track record in offshore mooring



- Both steel & fibre solutions in portfolio
- Building on the learnings from all 172 completed projects
- With a tradition to push the boundaries
 - BP Mad Dog First synthetic truss spar
 - Shell Prelude First FLNG, steel
 - Shell Perdido Deepest spar, fibre
 - SHI Egina Longest steel lines
 - Subsea7 Guara Lula Largest SCR tether

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Floating wind mooring mission requirements: Not a copy past from O&G

	O&G Mooring	FWT Mooring
Operating life	Up to 25 years	At least 25 years
Water depths	>500m (synthetic fibre)	50-250m
Motion characteristics	Wave & low frequency	Wave & vibrations
Expected marine fouling	Low	High
(Re)tensioning on board	Normally possible	Not normally possible
Lines per project	25-75	150-300
Pre-tension	>10% MBL	<10% MBL
System redundancy	High	Low
Failure consequence	High	Low(er)

Confidential

E ROPES GROU

BBRG unique through its access to the full suite of mooring products



Bridon-Bekaert – Innovation in close collaboration with lead users is in our DNA



Ready to co-innovate together

BRIDON · BEKAERT

A team dedicated to mooring solutions



Greg Mozsgai Business Development

Manager Renewables



Timothy Hunter

Technology Lead – Mooring Solutions UK



Simon Frost

Global Commercial Manager Mooring UK



Steve Willis

Global Project Director UK



Christof Dewijngaert

Global Segment Lead Belgium



Matthew Davies

Project technical specialist UK



Emma Stevenson

Project Manager UK



Michelle Latta

Engineering Lead Synthetic Solutions UK





New Product Design Engineer UK

Bridon-Bekaert: EMEA manufacturing facilities dedicated to mooring today

Coatbridge, UK, Main hub for Bridon-Bekaert fibre rope activities



- Multi-purpose fibre facility
- Versatile manufacturing processes

Grangemouth, UK, Quayside facility focused on larger fibre rope



- Purpose built new quayside facilitiy
- Further expansion possibility

Newcastle, UK, Quayside facility for steel mooring solutions



Flagship steel mooring facility



Doncaster, vertically integrated steel wire supply

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Bridon-Bekaert's take on floating wind fibre solutions



In a nutshell

Floating wind mooring ≠ Oil & gas mooring => co-development needed

Start with industrialization in mind

If you have an exciting mooring challenge, get in touch

- Greg.Mozsgai@bridon-bekaert.com
- Payam.pourmand@bridon-bekaert.com