



WHERE WE WORK

Supply Bases/Manufacturing Sites

UK	Europe	Project Specific Worldwide
Asia Pacific	Saudi Arabia	UAE
South Africa	Azerbaijan	Americas
Mexico	Mediterranean	Norway

ACCREDITATIONS AND AWARDS

Multiple Queen's Award Winner for International Trade 2005, 2013 and International Innovation 2005.

SafeContractor

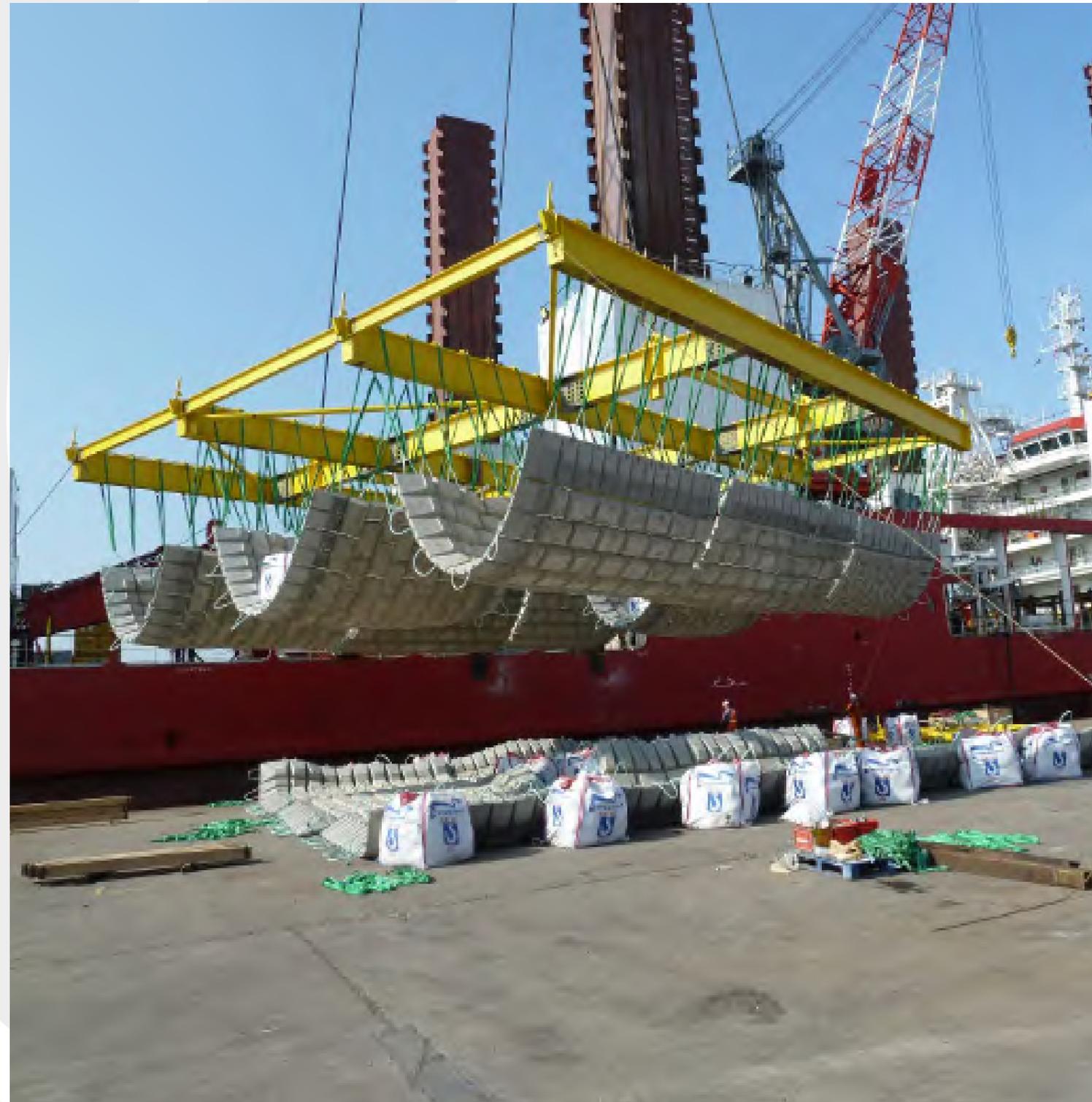
Investors In People – Gold

ISO 9001 and 14001

ISO 45001 Safety Standard



IP180103DS 081019



Concrete Mattresses

CONCRETE MATTRESSES

Pipeshield design and manufacture a wide range of concrete mattresses to give your subsea installations the best possible protection.



Features & Benefits

- Developed & patented by Pipeshield, this proven design is approved by many of the major operators including Exxonmobil as providing enhanced stability to edge lift.
- Used where on-bottom velocities are onerous and edge lift stability is critical to the design.
- N2 edge block is over three times more stable than the standard block offering cost effective solutions when specifying scope of works.
- Can be incorporated during production either on the long or short edges or all four edges.

Bi-Flex Mattresses

Bi-Flex concrete mattresses are typically used for pipeline, cable and underwater structure protection and stabilisation systems. They are 10% heavier than comparable products in the marketplace, offering greater stability. It employs the inherent strength of concrete blocks linked together by an array of durable polypropylene rope.

Three standard thicknesses of 150mm, 300mm and 450mm are offered, with standard edge, long edge tapers or Pipeshield patent design N2 Edge*. Bespoke sizes can also be manufactured.

We also offer mattress covers which protect the mattress ropes from damaging UV rays which may compromise rope integrity if left exposed over long periods of time.



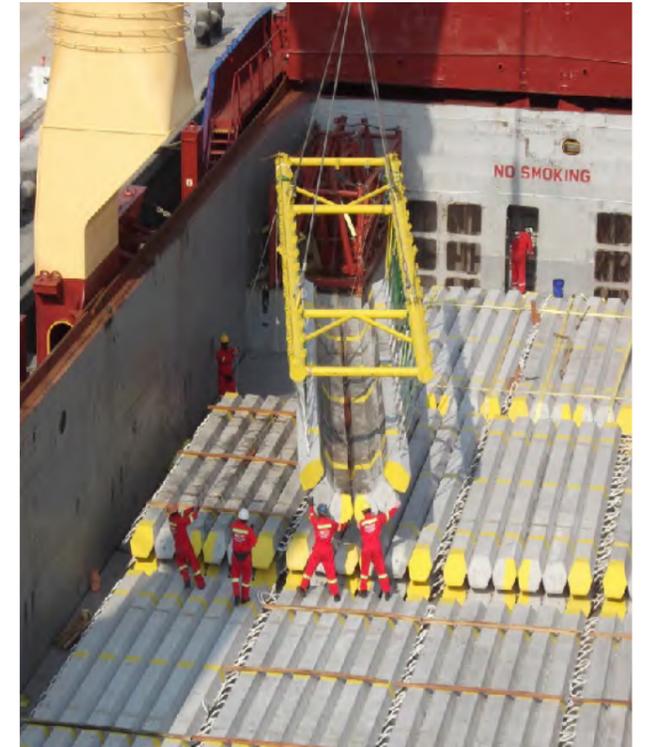
Uni-Flex Mattresses



Uni-Flex concrete mattresses are unidirectional flexing mattress made from reinforced concrete hexagonal 'logs' which provide both overweight to protect pipelines or act as a load spreading support. They are ideal for load bearing in soft soils, and easily deployed utilising polypropylene rope lifting loops by means of a conventional installation frame.



Above: Uni-Flex mattresses being mobilised



N2 Edge*



The patented design N2 'Nose and Notch' mattress has been developed to enhance edge lift stability making it ideal for higher velocity conditions.

It significantly reduces the chances of the mattress 'rolling up'. This allows the use of standard density concrete instead of more expensive high density concrete in certain subsea conditions.

The **N2** has undergone extensive flume test trials which show that it considerably outperforms a mattress with a standard block profile, meaning that edge lift is never critical to the limiting stability of the mattress.



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- Renewables
- Civil Marine
- Port & Harbour
- Revetments
- Rivers & Waterways
- Special Projects



Oil and Gas



Renewables



Marine Civils



Contact us to discuss your project today

+44 (0)1502 560900 or info@pipeshield.com