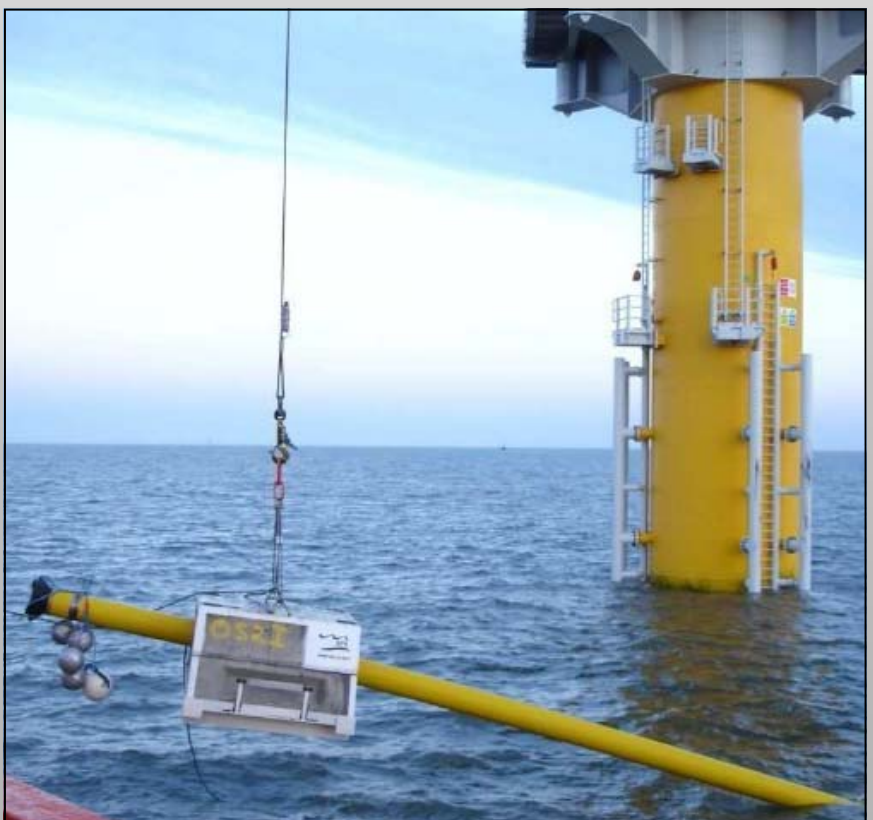


Pipex px[®] PROTECTION SYSTEMS Pipex px[®] Subsea Cable Protection Systems

Benefits of Pipex px[®] Scour Zone Cable Protection Systems

- Fully prefabricated system enabling fast-track offshore deployment
- Typical installation time 20mins per system
- Pre-installed ahead of cable laying vessel for weather window optimisation
- Allows Cable removal and replacement
- Assists Cable cooling
- Bespoke solution tailored to suit the environmental conditions of each installation
- Diver-less intervention





Competing Issues

From detailed tidal flow studies, Wind Farm Field development owners know that their Sub Station (SS) and Wind Turbine Generator (WTG) foundation piles may be subjected to scour brought about by high tidal flow. To overcome this problem Rock Dump Scour Protection is often adopted. This gives rise to the problem of how to install the Export and Field array cables into the SS and WTG J Tubes without incurring damage to the power cables.

- Proven design, already in major UK wind farm development
- Suitable for use on 'J' Tubes or 'I' Tubes
- Pre-installed Cable Protection System
- Cost effective solution
- Designed to meet DnV , LOLER requirements
- Ease of installation, typically 20 mins per system
- Durable design, giving life of field service up to 50yrs
- Designed to sustain up to 100yr wave loading
- Allows for ease of cable replacement without the need to disturb the scour protection system once installed
- Low coefficient of friction, so reducing topside pull in loads
- Designed to cope with a range of filter layer profiles during installation
- On bottom side stability, designed to sustain current and second end pull in side loads
- Range of seabed conditions from sandy soils to stiff clays
- Tailored field requirements can be designed & accommodated
- Range of cable sizes accommodated
- Lift rigging and messenger wire pre-installed for each installation
- Diverless intervention

For more information on this unique system, please contact Pipex px® on **+44 (0)1752 581200** or email **sales@pipexpx.com**



Supporting Product Services Offered:

- Sea fastening calculations
- On bottom stability analysis
- Pull in analysis
- Impact protection analysis
- Installation procedures
- Provision of supervising personnel
- Bespoke manufacturing

