FOUNDOCEAN



DECISION CHECKLIST | EXISTING CPS REMEDIAL STABILISATION

BEFORE YOU SPECIFY

CPS Remedial Stabilisation Checklist

Known CPS issue? Check the intervention requirement before selecting the remedial method.

Use this checklist once inspection and engineering have identified a CPS location requiring remedial support. It is designed to help structure the options review around the intervention itself, not to diagnose the underlying cable issue.

- ☐ **The support requirement is highly localised**
  The remediation is concentrated around a specific CPS, cable interface or defined area rather than requiring broad coverage.
- ☐ **The support geometry needs to be defined**
  The intervention needs to support, cradle or stabilise the cable/CPS in a specific position or profile.
- ☐ **The as-found seabed profile matters**
  The remedial solution needs to work with the existing seabed condition and the geometry at the affected location.
- ☐ **The installation footprint is constrained**
  Existing infrastructure, access restrictions or the surrounding subsea environment limit where and how support can be installed.
- ☐ **Targeted material placement is desirable**
  There is value in concentrating material where support is required rather than extending the intervention across a wider area.
- ☐ **Installation and campaign constraints influence the method**
  Vessel/spread, ROV/diver access, outage requirements, weather window or campaign timing affect what can practically be installed.

IF SEVERAL OF THESE FACTORS APPLY

Engineered fabric formwork should be included in the options review alongside established remedial methods.

This checklist supports early remedial option definition and does not replace site-specific cable, structural, geotechnical or installation engineering.

OPTIONS AT A GLANCE | EXISTING CPS REMEDIAL STABILISATION

COMPARE THE REMEDIAL APPROACHES

The right method depends on the support requirement, location, access and installation constraints. The comparison below is intended to support an early options review.

Factor	Rock placement	Rock bags	Engineered fabric formwork
Placement	Loose material placed across a target area	Pre-filled units placed individually	Positioned at a defined loction and filled in situ
Support geometry	Final profile governed by grading and placement	Defined by bag geometry placement arrangement	Tailored geometry, including defined-span support or cable cradling
Localised footprint	Often suited to broader coverage	More localised than loose rock	Targets a defined, localised support requirement
Installation & logistics	Bulk rock supply, handling and placement vessel	Transport, lifting and placement access	May reduce material where tailored support replaces broader placement; requires grout spread and ROV/diver access

FABRIC FORMWORK IN PRACTICE

CPS remediation on an operating offshore wind asset in the North Sea

01 FINDING

Increased scour identified

Annual ROV inspection identified greater scour than previous surveys or predictions.

02 TARGETED SUPPORT

Two wedge-shaped formworks

The formworks supported the J-tube cables and levelled the scour-induced dip.

03 CPS REMEDIATION

Placed and grouted in situ

The approach was adjusted offshore when as-found conditions changed during installation.

HAVE A LOCALISED CPS REMEDIATION REQUIREMENT?

Put engineered fabric formwork into your options review.

Contact Neil Paterson |
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Natural-fibre option: FoundOcean's eco-friendly range uses 100% hessian yarn in a high-density fabric suitable for formwork applications.

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