



London Array Windfarm - Reinstatement of Defective Cable Protection System

The cable protection system (CPS) had suffered operational failures in the form of slippage of the bellmouth locking system. LICEngineering designed, tested and later supplied the repair components required for reinstatement of the CPS with minimal intervention on the 175 foundations.

Our solution

The existing CPS system was generally a strong system able to sustain significant loads, however considering slippage was not fully adequate. The reinstatement design comprised steel clamp arrangements designed to replace specific functions which the original CPS could not supply. Furthermore, a number of tools for safe and effective diver intervention were designed and supplied. The general concept for the reinstatement work was to supply adequate solutions which would at the same time use the existing CPS system as far as possible in order to minimize the required intervention works.

All components were developed and tested by LICEngineering in cooperation with the Windfarm Operator. A large number of steel components were then supplied out of three local Esbjerg based fabrication yards.



Prototype testing of pull-in clamp



Reinstatement clamp fitted to bellmouth on the site

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