

Corrosion protection

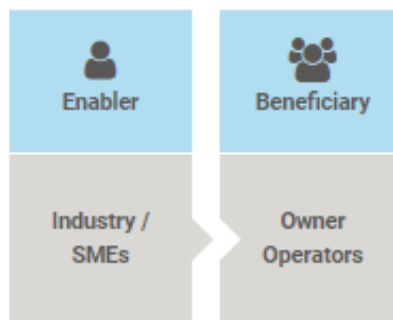
Type of Entry: Innovation Area

<https://offshorewindinnovationhub.com/category/substructures/>

Substructures > Materials Protection

Description

Corrosion protection are generally applied on the outside and in some cases in the inner part of the structure. The best technique is yet to be found. Thermal Sprays of aluminium/zinc alloys are being tested and a wide array of coatings have been applied. Also, in the submerged regions, sacrificial anodes are generally used. The best solution is still to be determined as each of the above have advantages and disadvantages. System reliability, operational procedures and requirement for air ventilation/water exchange are all elements that needs to be developed further to de-risk the solution.



Strategic Outcome

- Enabling disruptive innovation
- Commercialising >15MW turbine platforms**
- Maximising operational performance of existing wind farms

UK Benefit



Notes: Intellectual Property potential

Potential To Reduce LCoE



Case for Intervention



HSE impact



Notes: Reduced number of inspections will have a small impact on H&S, but coatings may actually have a negative impact on environmental issues.

Technology Readiness Level



[Read more about TRLs](#)

Forecast start and finish

