

Powertrain design for improved reliability

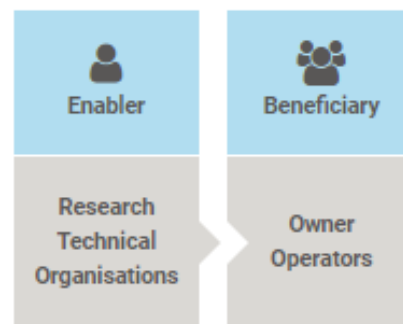
Type of Entry: Innovation Area

Turbines > Powertrain > Powertrain design

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

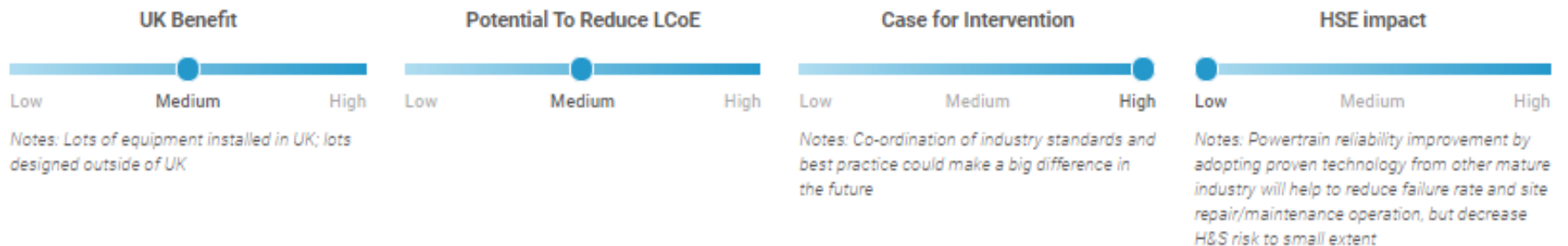
Description

Moving from powertrain mechanical/electromagnetic/electric focused design with capital cost/efficiency/mass optimisation paradigm to one which gives increased emphasis on design for techniques that increases availability and decreases O&M costs. Design should be inspired from other manufacturing industries. A range of generic, relatively high TRL design pieces, that make it quicker and cheaper to repair powertrain components and reduce failure rates.

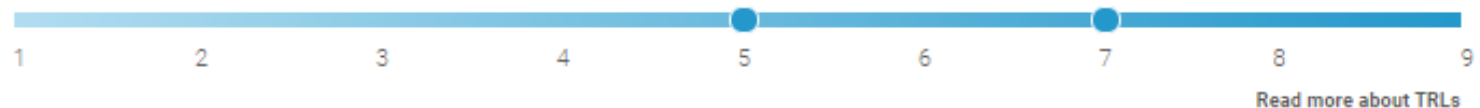


Strategic Outcome

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



Technology Readiness Level



Forecast start and finish

