



8.2 Aarufield

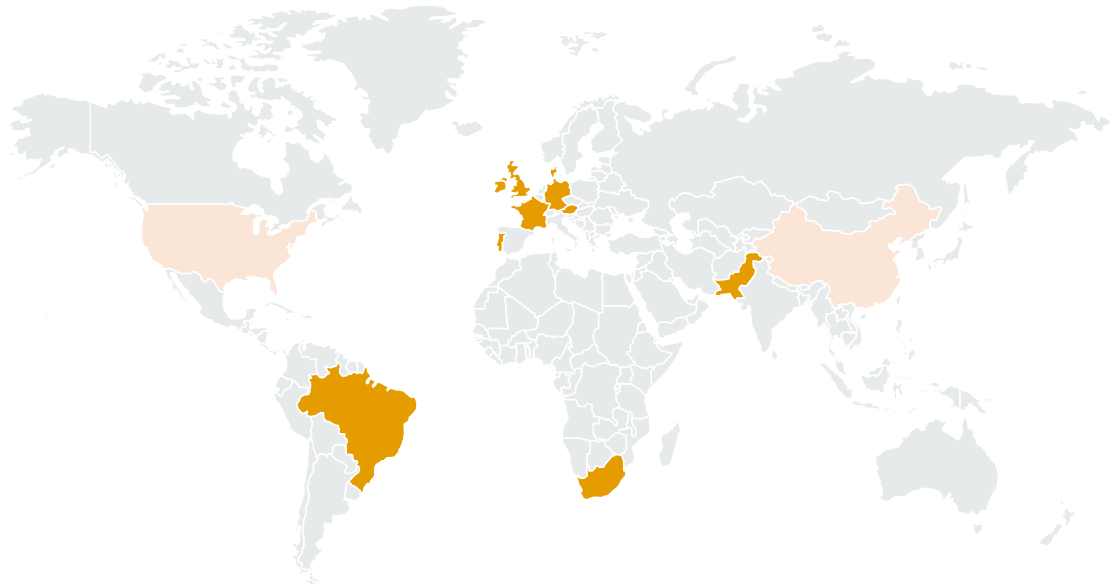
Engineering Excellence
in Renewable Energy

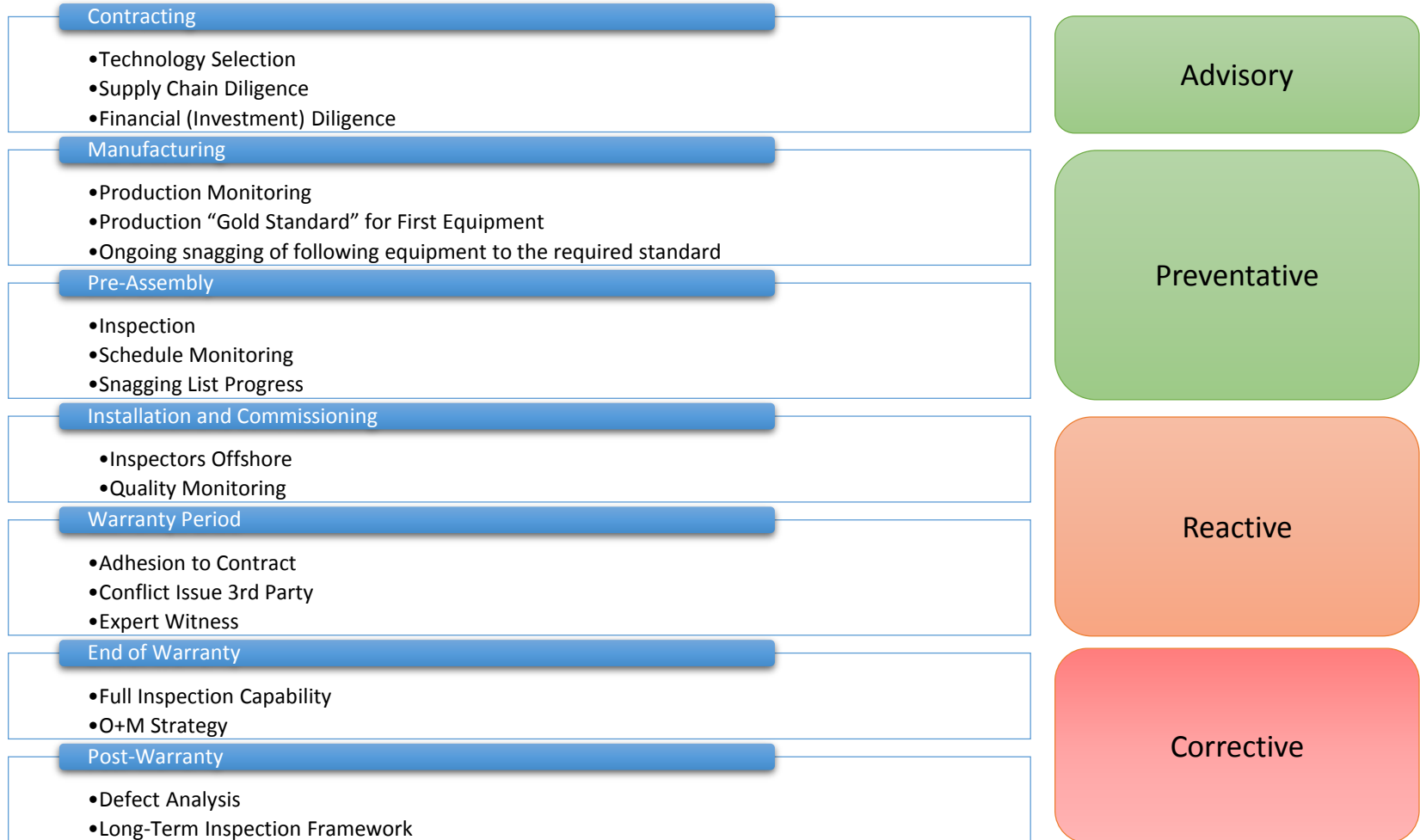




- 8.2 Group – Renewables Engineering Specialists
- 29 offices globally, with 180 FTE
- Majority of the employees come from a Developer, OEM or Tier 1 Supply Chain in Wind

8.2 was established to bring industry leading experts, engineers and technical “boots on the ground” to the asset owner with a depth of technical and engineering knowledge and expertise usually not available outside the turbine manufacturers’ area.





- Sector Planning and the industrial strategy
 - Clean Growth Strategy
 - Offshore Wind UK sector deal



- Main points affecting ORE:
 - Up to £20m to support clean technology early investment fund
 - Pot 2 CfD Auction - £557m approx. 10GW
 - Remote islands access to Pot2
 - **£177m “to further reduce the cost of renewables, including innovation in offshore wind turbine blade technology and foundations”**
 - Presumable via Research Councils and Innovate UK
 - Renewables not just offshore wind
 - **Blades and foundations.....???**
 - Nuclear stuff...
 - Wave & tidal could have role but have to demonstrate how
 - Replacement for Levy Control framework
 - **New innovation opportunities – floating wind, advanced solar**
 - Solar without subsidy
 - **Funding from £200m RDPE274 programme for renewables linked to battery storage**

- Claire Perry (Energy Minister) three tests for innovation:
 - Cost reduction pathway
 - Think cost, price, investment risk and volume
 - Competitive advantage
 - For the UK
 - Maximum carbon emissions reduction



- Offshore wind's sector deal will set out the route to deliver 50GW (50%) of UK power by 2050, delivering 50,000 high value jobs across the UK.
- It will look to “transform places, transform people and transform our power system”
 - Places – supply chain locations, ports, hubs of expertise
 - People – training, skills, schools, skills transfer
 - Power – flexible, predictable, integrate with storage, route to test and implement balancing and storage innovation

Offshore Wind sector deal vision

