



## Optimised Renewables is the renewable energy advisory and engineering division of the Optimised Group.

Offering a full range of asset optimisation, advisory and trading and risk management services, the team supports renewable generators around the world to develop, optimise and monetise renewable energy.




We are specialists in operational and financial issues in the renewables industry. With a focus on wind, AD and solar our engineers, analysts and traders know how to identify, diagnose and optimise renewable assets to maximise output and financial return.

### Our Services

**Wind Asset Optimisation** – we offer the full range of wind turbine technical inspection services. We have experience with the majority of turbine makes and models, both onshore and offshore, including Enercon, Gamesa, Acciona, Bonus, GE, NEG, Nordex, Servion, Siemens and Vestas.

**Advisory** – our team has operated in the renewables industry for over 15 years, providing a range of consulting services to renewable developers and OEMs. We have conducted wind due diligence assignments, contributed to specialist teams involved in floating wind and other technology ventures, and provided solar feasibility and owners engineer services. We continue to bring diverse but specialist services to the wind, solar and AD industries. s not only optimised but remains this way for the long term.

### Key Benefits

-  Technical Assessment
-  Financial Strategy
-  Off-take Agreements
-  Asset Optimisation
-  Condition Monitoring & Reporting

**Trading & Risk Management** – we have experience sourcing and negotiating corporate green energy arrangements for large UK energy users. This includes one of the first Green Gas Purchase Agreements of its kind completed in 2020. We are registered with the Green Gas Trading certification scheme to enable the management of green gas certificates. If you aspire to 100 x 100 renewable energy then we can help you strategise and work towards this ambitious goal as part of your Net Zero plan.

Integrating door heaters and ventilation systems along with the AC Systems can significantly increase energy savings, avoiding unnecessary energy usage and different systems fighting with each other.

## Your investment in renewables needs to deliver a return.

### Wind Asset Optimisation

- Visual inspections
- Blade inspections
- Endoscopic gear box inspections
- Endoscopic main bearing inspections (including grease sampling and oil analysis)
- End of Warranty
- Periodic health assessments
- Condition monitoring

### Advisory

- Technical due diligence
- Owner's engineer services
- Pre-feasibility & full feasibility studies
- Turbine technology review
- Repowering
- PPA revenue recovery
- FiT, RHI & ROC subsidy management

### Trading & Risk Management

- Power Purchase Agreements
- Corporate green energy arrangements (cPPA's & cGPA's)
- Bespoke trading & risk management strategies
- Renewable Energy Certification services (REGO & Green Gas)

## Our Expertise

### Craig Gordon - Head of Renewables

Craig is responsible for coordinating wind turbine asset inspections, including intrusive borescope assessments, drive train vibration assessments, external and internal blade inspections, factory inspections and turbine technology reviews. He has track record in negotiations with OEMs on behalf of asset owners spanning from single project owners to large international developers and his expertise in onshore and offshore wind turbines, drive train tribology, vibration assessment and Root Cause Analysis, and wind turbine End of Life assessments.

### Cian O'Donnell - Head of Client Services - Renewables

Cian is responsible for renewables services and also offers technical assistance to biogas developers from conception, through construction and commissioning to the ever-important operational phase. Involved in various innovative long-term export contracts to match bespoke funding requirements for large UK solar and wind installations. Also developed innovative solutions for corporate green gas purchase agreements, including management of a 60GWh arrangement with a top London based commercial real estate development. His client-first approach has meant that we have a 100% retention rate of our renewable client base to date.

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