

CORNET Call for Proposals: International Collective Research
--- Organisation profile ---

Organisation:	Clir Renewables	
Website address:	https://clir.eco	
Organisation typology:	<input checked="" type="checkbox"/> SME Association <input type="checkbox"/> University <input type="checkbox"/> Research Centre <input type="checkbox"/> Other (please specify)	
Sector:	<input type="checkbox"/> Materials <input checked="" type="checkbox"/> Process Engineering, Energy Technology and Environment <input type="checkbox"/> Business Management and Organisation <input type="checkbox"/> Construction and Production <input type="checkbox"/> Chemistry, Textile, Food, Health and Medical <input checked="" type="checkbox"/> Measurement and Information	
Field of specialisation:	<p>Clir develops AI software that maximizes the performance, profitability, and lifespan of renewable power infrastructure (wind-farms, solar-farms). We empower participants in renewable energy with interactive analytics that are not only reactive to performance-changes in renewable assets but proactive, offering clear upstream solutions to downstream inefficiencies in power production.</p>	
Expertise offered:	Wind Engineering <ul style="list-style-type: none"> - Farm permitting & contracting - Wind farm noise modeling - Site suitability analysis - Turbine icing control algorithms - SCADA connection & data retrieval - Dynamic & Static Yaw Modeling - Preconstruction energy yield analysis - Power Curve Analysis - Predictive Component Failure analytics - Wind-to-Power forecasting - Statistical failure mode analysis 	Software & Automation Engineering <ul style="list-style-type: none"> - Cloud infrastructure & data science - Software development methodology - Machine learning and artificial intelligence - Database design - Wind power & solar power analytics - Cloud infrastructure - Software development methodology - Machine learning and artificial intelligence - User Interaction design
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