



Your Energy Saving Net-Zero Partner



DIRECTORS' MESSAGE

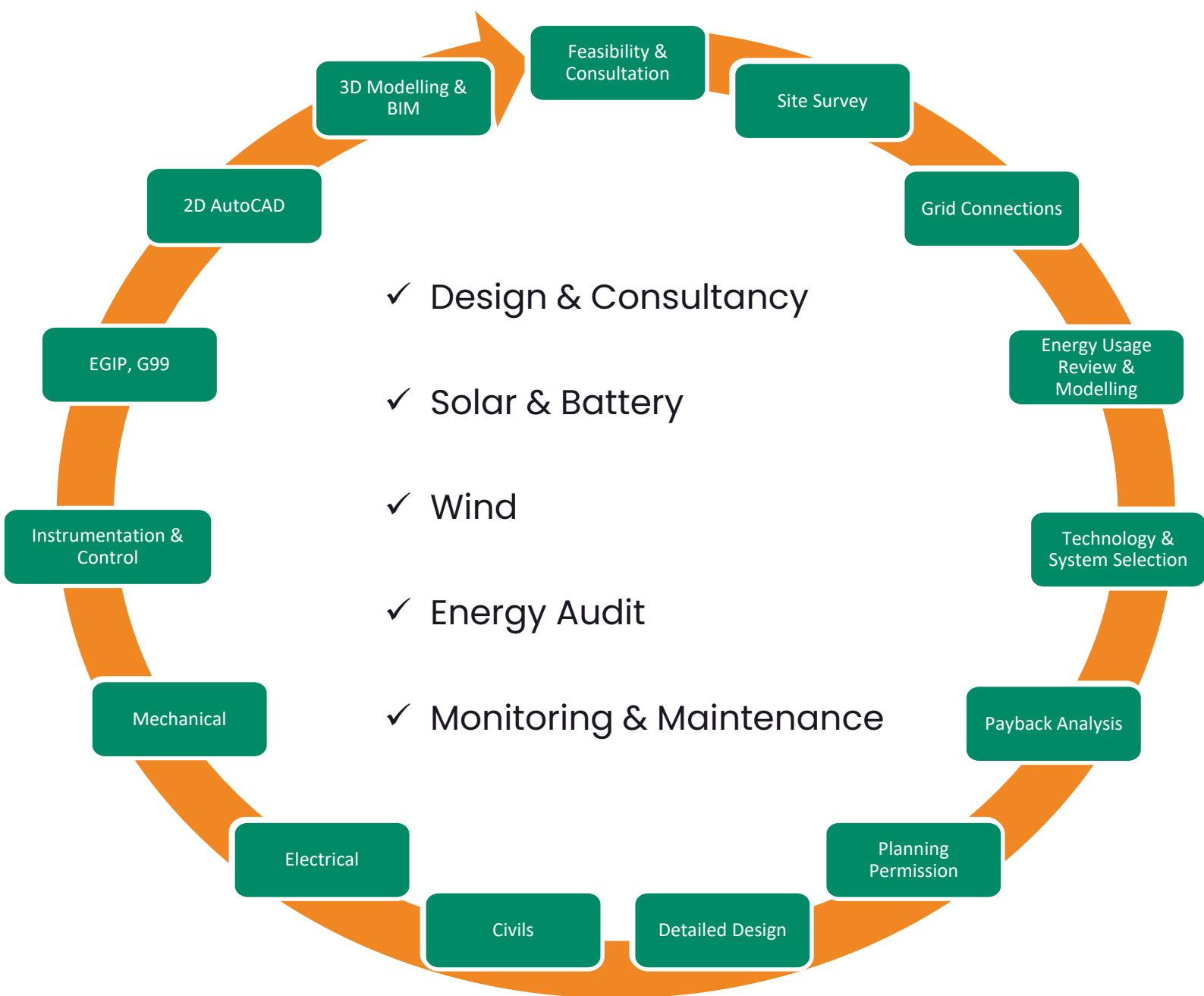


Copper Coast Renewables was established in 2023 with the goal of helping businesses strive towards Net-Zero using innovative renewable energy technologies.

We are dedicated to leading the charge towards a sustainable future by harnessing the power of renewable energy solutions. With a commitment to innovation and excellence, we specialise in developing and implementing cutting-edge projects that propel us towards a cleaner, greener world.

From large-scale solar farms to advanced wind energy solutions and energy-efficient technologies, we strive to exceed industry standards and drive meaningful change. Our passionate team of professionals bring together expertise, creativity, and dedication to deliver solutions that not only meet but surpass the expectations of our clients and partners. Guided by our unwavering commitment to environmental stewardship, we are shaping a world where clean, renewable resources power our communities and safeguard the planet for generations to come.

WHAT WE DO & HOW WE DO IT



OUR VISION

Our vision is to lead the change away from fossil fuels and transition to clean green energy for the benefits of our clients and future generations.

OUR MISSION

Our mission is to save your business money while reducing its carbon footprint.

Design & Consultancy

Our Design and Consultancy team offer a full range of services to take your renewable energy project from initial concept right through to completion.

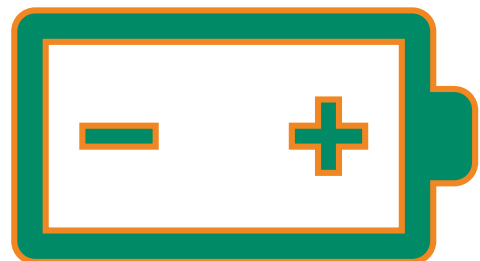
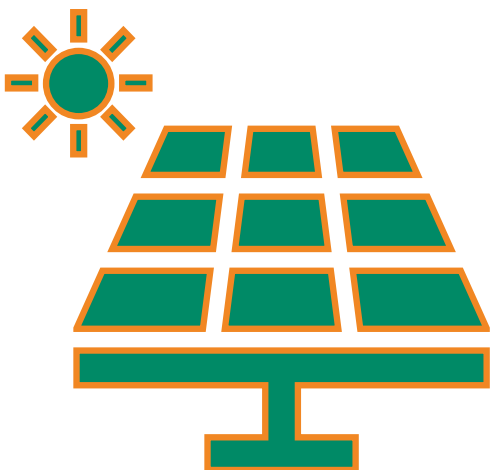
- System Scoping
- Grid Connection Feasibility Studies
- Planning Permissions
- Financial Modelling & Reporting
- System Design
- Production Modelling
- PSCS & PSDP
- Design Reviews
- Tender Generation, Project Management & Analysis
- Portfolio Management
- Fault Finding, Solutions & Mitigation Measures



SOLAR PV & BATTERY

We are an all-round solar partner for commercial, industrial and utility scale solar. We design, build, install and maintain systems to the highest standards. Copper Coast Renewables can assist businesses:

- Lower electricity bills
- Save on heating bills with hot water coupled systems.
- Store excess daily energy to reduce bills at night.
- 3-4-year payback with SEAI & TAMS grants
- Feed-in tariff for excess energy
- Lower carbon footprint
- Future proof against rising energy costs
- Boost the value of your business and buildings
- Durable, long-lasting and low maintenance



WIND

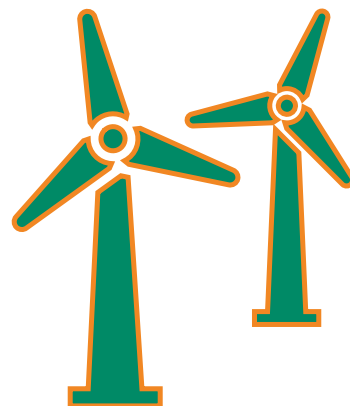
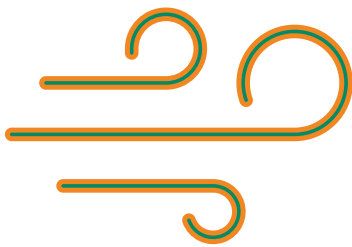
Copper Coast Renewables are leading specialists in behind the meter turbine installations from planning through to installation and commissioning as well as Operations and Maintenance.

Wind is one of Ireland's most abundant natural resource and when captured can have a significant impact on your energy usage and carbon footprint.

We offer a full turnkey package including financing and PPA options. Contact us to discuss your options and let's move to a more sustainable future together.

Advantages of Wind;

- Abundant Resource
- Operates 24 hours/365 days
- More Efficient Energy Conversion
- Cost Effective
- 4-5 Year Paybacks



ENERGY AUDITS

To assist you on your green journey, we require data. Without it, we cannot provide proper guidance. This is where our Energy Management System becomes essential. We will install the system, analyse the data, and offer recommendations for energy savings tailored to your business.

We can review all of your facilities Energy uses including; lighting, heating, power and water. We review existing equipment and advise on replacements or upgrades and provide you with a full report.

Steps to Net Zero;

- Gather Data - Bills, process & procedures, usage patterns, future plans for the business.
- Analyse Data - Look for trends, analyse rates & plans from current and alternative energy suppliers.
- Site Visit - See how things work/potential improvements
- Produce Report - With costed improvements, benefits and savings calculated.
- Implement and repeat to Net-Zero.



MONITORING & MAINTENANCE

As your partner, you can rest easy knowing that when we complete a project we are not going to walk away. We have an in house team of qualified experts who have the skills and knowledge to ensure your renewable energy equipment stays running long after initial commissioning. Get in touch to secure your maintenance plan for 2, 5 or 10 years!

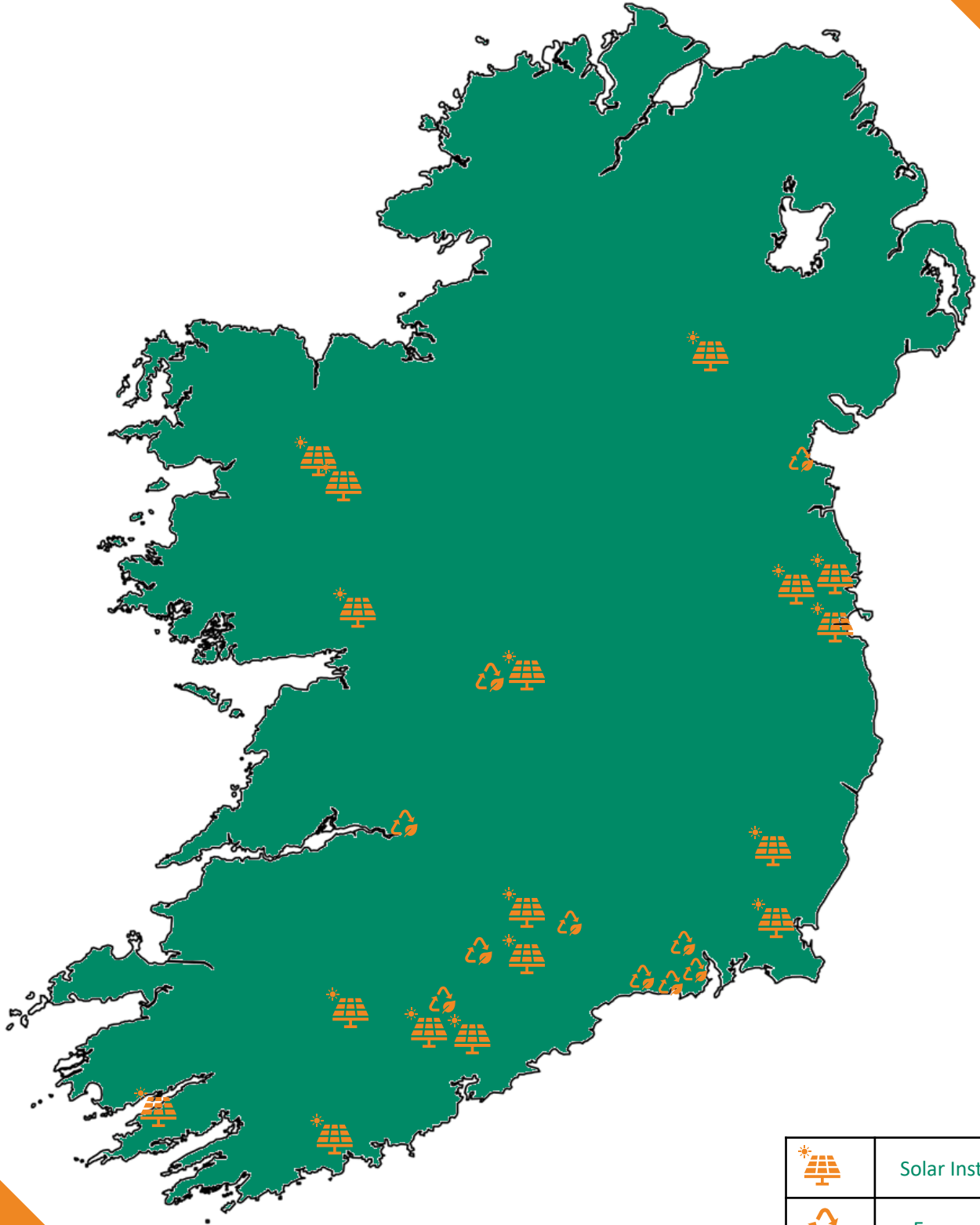
If you have an existing system and want to know if it's running in optimal condition? Call today to schedule a review with our maintenance team.

Typical Maintenance for Solar;

- Monthly Production Report vs. Predicted Model
- Fault Reporting
- Biannual inspection visits with drone imaging & electrical system checks, software upgrades etc.
- System Call Outs
- Optional in house Add-ons;
 - Thermal imaging
 - PV Panel Cleaning
 - Roof & Gutter Maintenance
 - Roof Repairs
 - Fall arrest inspections & certifications



PROJECT LOCATIONS



MONROE SOLAR FARM

System Details:

- 14MWP consisting of 20,052 670W Leapton Panels
- 27 x Huawei 330 KTL Inverters
- Siemens Switchgear
- 5MVA Bowers Transformers x 2
- Full Site Scada System
- Fencing, Ducting, Cabling & Civils works
- Praxia Mounting System

Project Overview:

Copper Coast Renewables carried out full turnkey EPC works for Monroe Solar farm including the utility connection. Nestled near Ard Finnan, Co. Tipperary, once operational it will power 10,000 homes for 20 years. It's 14 MWp capacity will offset carbon emissions equivalent to planting 7.26 million trees annually and ensure grid stability for the area for future generations.



9 WHITE DEER BREWERY

System Details:

- 30KWp with a 20kWh Solis Inverter
- 65 x JA Solar 460kWp Panels 27 totaling 140m²
- Van der Valk mounting system with a 10° pitch

Project Overview:

This project in Ballyvourney, County Cork, Ireland, showcases a 30 KWp solar system with a 20 kW Solis inverter. The panels are south-facing and mounted with a 10-degree pitch using the Van der Valk mounting system. A structural survey conducted by Punch Consulting, Limerick, ensured the system's integrity. With the support of an SEAI grant, the project boasts a payback period of 4.5 years, with an estimated energy production of 24 MWh per year. Commissioned on March 1, 2024, the system currently meets 70% of the client's overall energy load, thanks to the expertise of our in-house design and installation team.



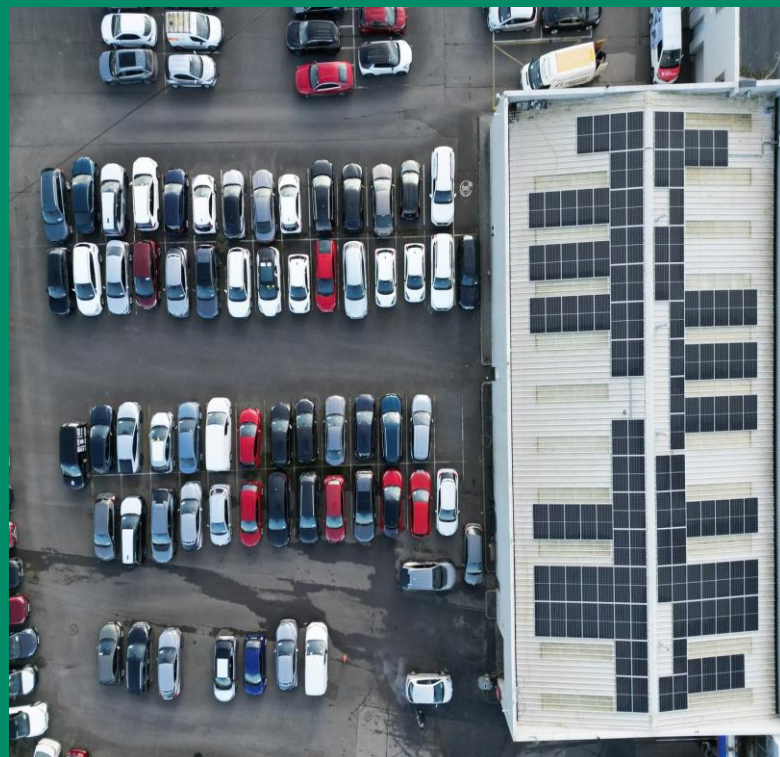
DENIS MAHONY TOYOTA M50 & KILBARRACK

System Details:

- 122kWp Solar system using JA Solar 500W PV panels
- 2 X 50kW Solax Inverter
- Estimated 95MWh production per annum
- Combination flat and trapezoidal roof utilizing RenuSol system

Project Overview:

These projects in Dublin were installed with support from an SEAI grant, the project boasts a remarkable payback period of just 3 years, with an estimated energy production of 95 MWh per year. The system currently meets 60% of the client's overall energy load. Our in-house design and installation team ensured the successful implementation of the project, resulting in a reduction of 16.12 tons of CO2 emissions so far.



LIGHT HARDWARE SUPPLIES

System Details:

- 40kWp Solar System
- 68 x JA Solar PV 590WP Panels
- 25kW Huawei Inverter
- 10kWh BESS
- Renusol Mounting System

Project Overview:

This project is a rooftop solar system with a capacity of 40 kWp, featuring a 25 kW Huawei Inverter. This system is expected to produce 32 MWh of clean energy annually, offsetting approximately 60% of the client's load. Commissioned in March 2024, the project was supported by an SEAI grant and executed by our skilled in-house installation team.



Folláin

System Details:

- 483kWp Solar System
- 819 x JA Solar PV 590WP Panels
- 2 x 115KTL & 1 x 100KTL Huawei Inverters
- Enerack Mounting System
- Full ESB G10 requirements, Import & Export Limitation and Reverse Power by our inhouse Switchgear team

Project Overview:

This is our second project in the community of Balyvourney. It boasts an impressive yield of 412MWh per annum covering 60% of the client's load. On weekends the site soaks up excess solar power for pre-heating of hot water for client services on Monday reducing the sites Gas usage by 15% per year



ENERGY AUDITS



Energy Audit	Total Savings Identified in Energy Audit	Total CO ₂ Savings After Energy Audit (t CO ₂ e)
Hegarty Solicitors	€4,838	6.04
Euro Tachograph Solutions	€13,462	14.88
Brill FRC	€23,892	18.87
Dunhill Eco Park	€18,774	18.09
HC 21 Blarney	€81,540	74.20
Horetown House	€31,528	27.15
Ballymacarbry Community Center	€10,649	11.17
Light Hardware Supplies	€27,420	28.74
Oriel Sea Salt	€28,957	20.75
APS MATERIALS INC	€52,122	47.09



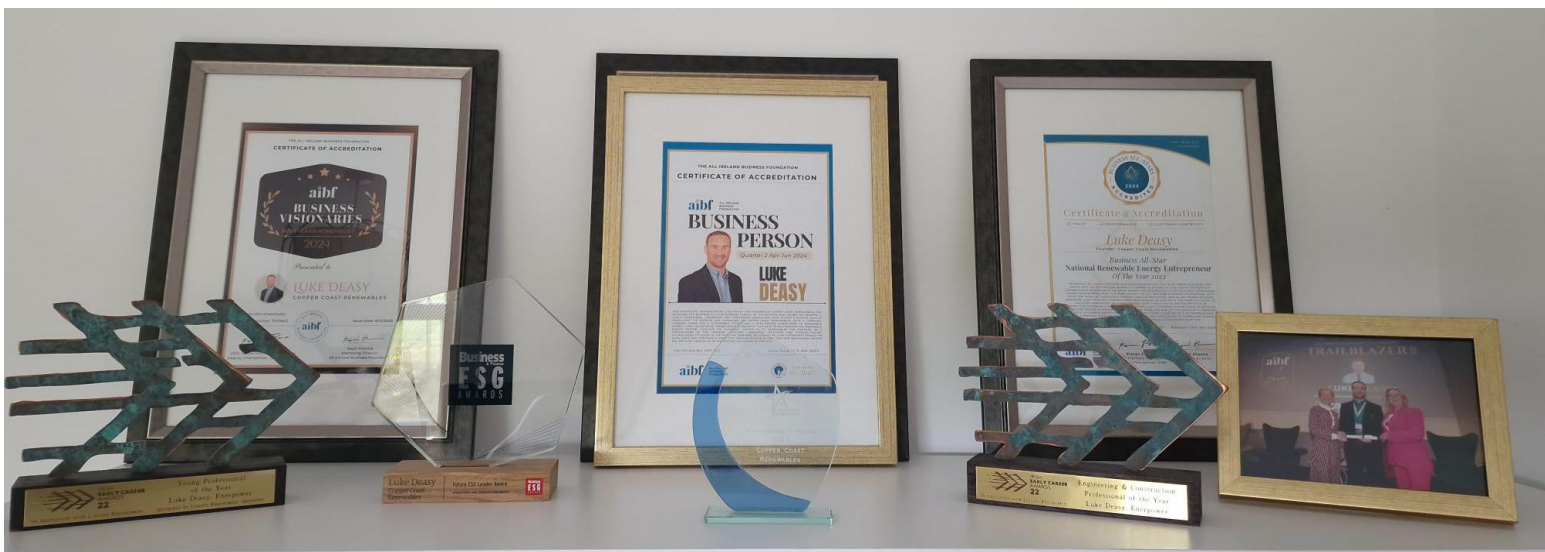
AWARDS & RECOGNITION



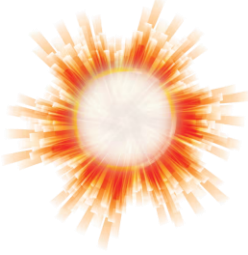
PRESENTED TO
COPPER COAST RENEWABLES



SHORTLISTED



AWARDS & RECOGNITION



Business Energy Achievement Awards 2024

Awards 2024



FACILITIES MANAGEMENT AWARDS



COPPER COAST RENEWABLES
YOUR NET-ZERO PARTNER

GET IN TOUCH



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