

Joshua Ronald Rowe

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EMPLOYMENT RECORD

ENERGIA RENEWABLES

DUBLIN, IRELAND

Operations Engineer

January 2021 – Current

- Manage multiple windfarms sites with Enercon, Siemens, Nordex and GE turbines supervising proactive and preventative maintenance to adhere to industry and health & safety standards.
- Collaborate with senior management to design an asset management software that both aligns with the company's strategic goals and streamlines current workflows.
- Maintain and build relationships with stakeholders, Original Equipment Manufacturers (OEMs) and landowners.
- Upgrade existing assets by effectively installing emerging technologies that reduce reactive maintenance.
- Develop systems and processes for emerging battery and hydrogen technologies, researching industry standards and integrating with company structures. Always looking to adopt new technologies and ways of working.
- Acquired an understanding of NI and ROI energy market by liaising with NIE and EIR grid on maintenance of equipment, outages and services available i.e. DS3 payment schemes

CATERPILLAR INC.

LARNE, NORTHERN IRELAND

Electrical Design Engineer

August 2017 – August 2018

- Designed circuits, on AutoCAD, for bespoke electrical generation systems using technical knowledge of large-scale power generation and control logic.
- Tested, implemented, and oversaw manufacturing changes within electrical panels that reduced the time taken to build a panel by 2%.
- Created and continuously improved an Excel-based pricing configurator that leveraged previous generator builds to enhance the pricing accuracy of future generation solutions.
- Researched the ISO standards and introduced a new compliant product range for motor control electrical panels reducing both the footprint and the cost of the panel.

LEADERSHIP EXPERIENCE

OMMS RESEARCH GROUP

UNIVERSITY OF BATH, ENGLAND

Project Manager

September 2018 – June 2019

- Managed a team of 7 students across multiple disciplines, assigning and managing work to develop a feasibility study on the commercialization of current CAR-T immunotherapy.
- Presented findings on the modular immunotherapy system to a panel of leading researchers, outlining the improvements and innovations needed to develop a cost-effective product compared to industry standards.

UNIVERSITY OF BATH HOCKEY CLUB

UNIVERSITY OF BATH, ENGLAND

Hockey Captain

September 2019 – June 2020

- Lead a university hockey team consisting of 18 players, organising strategy and team-bonding sessions that enabled our team to win the league.

ONBOARDING NEW ENGINEERS

ENERGIA RENEWABLES, DUBLIN

People Management

August 2022 – Current

- Managed new junior engineer's workload. Teaching them processes, integrating them with Energia and developing my management style.

EDUCATION

University of Bath, England

2015-2020

Meng (Hons) Integrated Design Engineering with Placement in 3rd year of study

- Upper Second-Class Honours

SKILLS & INTERESTS

Skills: Microsoft Office (Excel, PowerPoint), Coding (Python, C, MATLAB), CAD (AutoCAD, Inventor, SolidWorks)

Interests: Process Improvement, Sustainability, Analytics, Design (Software, CAD, electronics), Charity, Computers, Hockey, the Outdoors

Accreditations: ISO 55001 Asset Management, HV Substation Access, Wind Energy Ireland Career Development Program