



Project Engineer

Crowley Carbon is an energy efficiency company that runs engineering projects for our manufacturing plant and commercial building customers, saving them money on their energy bills and reducing their carbon footprint in the process.

Underpinning all of our project work is our IoT platform called C3 (C Cubed = Carbon Control Centre), that monitors the efficiency of our customer sites, confirms savings are still in place, and helps identify further savings.

Crowley Carbon are looking for a number of keen engineers to grow the C3 deployment team as our customer base worldwide continues to grow.

The Role

- Initial site audits - site audits for C3 energy management system design will require a knowledge of new and existing metering systems to be installed onsite to cover Measurement & Verification (M&V) of savings for each project work package, while also gathering enough information for a comprehensive energy management system.
- C3 design and pricing - design will comprise of meter selection including (electrical, mechanical, ultrasonic, utility etc.). Integrations into existing SCADA, BMS or EMS systems (we retrieve metering data from these systems into C3).
- Basic networking knowledge - a high-level networking knowledge is required to initiate networking discussions with the customer and if required design a private network onsite for data retrieval. This can include wireless and wired solutions. Networking onsite primarily allows our onsite computer access to each of the meter locations onsite.
- Build and installation oversight - it is the responsibility of the PM to ensure the works are complete but the project engineer must ensure they are completed to design specification.
- Direct dealings with Project Manager &/or customer - good communication skills both spoken and soft skills to ensure smooth delivery of install with and scheduling of works.

- Onsite work after install - all C3 solutions will require project engineer to travel to site after install to setup and commission meters, networks, onsite PC, onsite networking connections, offsite connections etc. Practical electrical knowledge is essential for this.
- Data retrieval to local PC - all data to be collected at local PC during install/commissioning stage. This involves setting up histories on all metering data points and ensuring integrity of the data. Testing of signals, comms protocols and networking is essential at this stage to ensure reliability of system and data.
- Data presentation on C3 dashboard - at this point the project engineer must work with the PM and C3 software team to ensure logical presentation of data on the customers C3 energy management system login. A clear and concise layout of data is achieved through following a design from the initial site audit stage and working closely with the project PM and C3 Software team.
- Monitoring and alerting rule design & development - design the energy rules specific to the customer project is completed by project engineer & PM before being handed over to Dev team for development of rules within C3. At this stage the project will be handed over to C3 support with a clear handover process from project engineer.
- Documentation - all documentation must be gathered and stored appropriately throughout project as it is required for handover during the handover stage. This includes: Initial site reports, C3 design and costings, CAD drawings, quotes, RAMS, commissioning docs, handover docs, technical datasheets, H&S forms etc.
- Communication skills - clear communications with team lead, project managers, account managers, customers, suppliers, contractors, C3 Dev team, C3 support team etc.

Skills & Experience Required

- Candidates are required to have a knowledge of EMS, BMS and SCADA systems
- Candidates are required to have a knowledge of IP Networks
- Candidates are required to have practical electrical knowledge/skills
- Candidates are required to have a good documentation & reporting skills including Google Docs
- Candidates are required to hold an Engineer Degree equivalent to or above NFQ Level 8
- Candidates are required to have a minimum of 2 years' experience in a similar role
- Candidates are required to have excellent communication skills

Location

We are based in [Powercourt House](#) near Enniskerry, in north Co. Wicklow. Our customer sites are spread throughout Ireland, the UK, Europe, the Middle East and North and South America. You'll need to be keen to do lots of travelling. And yes, we have quite possibly the coolest office space in the world. Check it out:



Cool Planet Experience

Opening in early 2018, the Cool Planet Experience will introduce Ireland's first interactive climate change experience! The foundation's work is supported by the staff and the profits of Crowley Carbon, and many other enthusiastic corporate sponsors. Find out more [here](#).

As well as working on your core role at the company, you will have a chance to contribute to this and other social and environmental responsibility projects happening at Crowley Carbon from time to time.

To apply for this role please send your cv to careers@crowleycarbon.com