Engineering Consulting
ECC is based in Dundalk, Co. Louth, Ireland with clients across Ireland, the UK and mainland Europe. The company’s portfolio includes four main services –

- Engineering Consulting
- Surveying
- Architectural Design
- Energy Consulting
Engineering Consulting

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ECC has an experienced and enthusiastic team of Engineers who provide design and project management services for residential, commercial and public developments.
BIM

ECC BIM (Building Information Modelling) department is working on a number of data centre projects throughout Europe. BIM allows ECC to create and manage information on construction projects across the project lifecycle. One of key outputs of this process is the Building Information Model, the digital description of every aspect of the build asset.

This model draws in information assembled corroboratively and updated at key stages of a project. Creating a digital Building Information Model enables those who interact with the building to optimise their actions, resulting in a greater whole life value for the asset.

ECC also have an in-house 3D Laser Scanning department that supply our BIM management team with as built surveys to allow our BIM team to clash detect, examine and update building models.

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Resident Engineering

As part of the site management team ECC will ensure that designs are applied correctly and work closely with the client, architect, engineers and sub-contractors.

ECC co-ordinate and supervise all technical aspects of the project and provide status reports on a regular basis. ECC supply engineers to a number of large projects across Europe.

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Building Certificates / Inspection

ECC take care of all documentation that is required for the Building Control Certification. This involves proofing the compliance to building regulations and achieving full certification through the statutory process.

From initial drawings to on-site inspections, ECC ensure compliance to all regulations including Building, Health & Safety, Planning, etc.

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Building Management Systems (BMS) Engineers

As part of the site management team ECC provide Building Management Systems (BMS) Engineers and Commissioning Engineers. They work on the latest computer-based control systems installed in buildings such as Data centres, Hospitals and so on.

BMS controls and monitors the building’s mechanical and electrical equipment such as, the power systems, security systems, fire systems, ventilation and lighting. These BMS controls are paramount to building performance and the insights acquired in the early design, install and commissioning stages can be deployed effectively through handover and into the operation and maintenance phases of the building.

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Project Management

As engineers, project management occupies a large part of ECC working life. ECC base our Project management on five areas; Initiating, Planning, Executing, Monitoring & Controlling, and Closing.

ECC offer a professional project management service for all aspects of the Building process from one off dwelling houses to larger commercial projects.

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Mechanical & Electrical Engineering

ECC mechanical and electrical engineering division design bespoke energy efficient projects with a prime focus in quality to ensure cost security to all works.
Engineering Consulting
• BIM (Building Information Modelling).
• Resident Engineers / Package Managers / Site Engineers.
• Building Certification / Building Inspections.
• BMS (Building Management Systems). Engineers / Commissioning Engineers.
• Project Management.
• Environmental Reporting.
• Mechanical & Electrical Engineering.

Surveying
• Topographic Surveying.
• 3D Laser Scanning.
• Drone Surveying UAV.
• Setting Out.
• Site Engineering.
• Underground Utility Surveying.
• Hydrographical Surveying.
• Legal Mapping.

Architectural Design
• Conceptional Design.
• 3D Modelling.
• Project Management.
• Planning Consultancy.
• Fire Safety Certification.
• Environmental Waste Management.

Energy Consulting
• Energy Assessments of Existing and New Buildings.
• Building Compliance Specification and Certification.
• Air Tightness Testing.
• Sound Testing.
• Thermal Imaging.
• Mechanical & Electrical Engineering.

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