

STEEL FABRICATION FOR **MODERN CONSTRUCTION**

OFF-SITE FABRICATION SOLUTIONS:

- FEATURE STAIRS
- MODULAR BALCONY SYSTEMS
- INDUSTRIAL ACCESS SYSTEMS & WALKWAYS



O'CARROLL
ENGINEERING

www.ocarrollengineering.com

Enabling our customers manage their metalwork projects more efficiently and cost effectively.

We combine over 25 years' fabrication experience with a digitised 'design through to installation process' to produce tailored, value engineered fabrication solutions. These solutions encompass both the product (*material and structure*) as well as efficient installation methods specifically suited to modern construction techniques & technology.

BIM and in-house 3-D survey capabilities means we capture the exact reality of site conditions and integrate that digital information with our drawing packages, cutting tools, communication and scheduling systems. This enables us to communicate and collaborate with clients more efficiently, to compress the design process and schedules as well as identifying and eliminating potential conflicts and costs.



FEATURE ARCHITECTURAL METALWORK

Structurally certified, fully designed, feature metal fabrication solutions. Using BIM or 3-D survey, site information is captured exactly, drawings are shared in 3-D format and decision making process expedited through teamviewer sessions. Potential issues or conflicts are identified and eliminated, site programmes can be streamlined and schedules compressed.

Signature Stairs



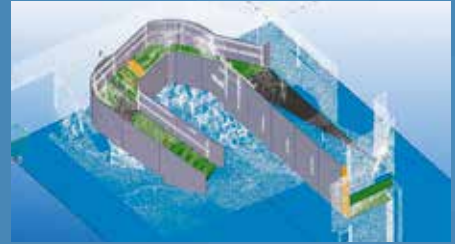
OFF-SITE MODULAR BUILD PRODUCTS

Complete value engineering, from product structure and materials through to efficient installation methods. We don't just focus on the product, we take a holistic view of every project, examining both product designs and installation method. Solutions are then tailored to client build methods and requirements. Quality, on-time, fully finished balconies, cantilever stair panels, stackable stair cores, lift shafts etc.



The benefits to client of our digitised 'design-to-fabrication' process

- Emphasis is put on early engagement and full information, key deliverables are identified and rework or duplication through the process greatly reduced.
- Solutions are tailored to client requirements and project build methods to maximise efficiency.
- Information is shared in a 3-D format, enabling teams to collaborate and communicate more effectively. We use 'TeamViewer' sessions to expedite approvals.
- **Potential conflicts or mistakes are identified and avoided** (*potentially huge cost saving for clients*).
- Site preparations can be streamlined as site works can be completed in advance of installation of products. Installation times are reduced and no trial fit required.
- Digital workflow scheduling brings transparency to timelines with milestone dates for all stakeholders.
- Consistency and quality of finish significantly enhanced.
- Safer working conditions in controlled environments – we bring your site 'digitally' to our facility.
- Decreased material waste and carbon emissions.



STANDARD ARCHITECTURAL METALWORK

High volume, standard fabrication products and solutions. Our advanced cutting machinery, work processes, and finishing capabilities enable us to produce large quantities of standardised tailored railings, stairs, frames, custom pipe trays, skids and security railings etc. On-time delivery at competitive prices.

INDUSTRIAL SOLUTIONS, ACCESS SYSTEMS AND WALKWAYS

Specialist in industrial access systems and walkways, as well as metal stairs structures, balustrading and guard railings. Suited to a number of markets, our extensive range of Industrial products can be customised to your needs and delivered within short lead times, certified and fully regulation compliant. Flat-pack or fully fabricated ready to install options available.



SERVICES

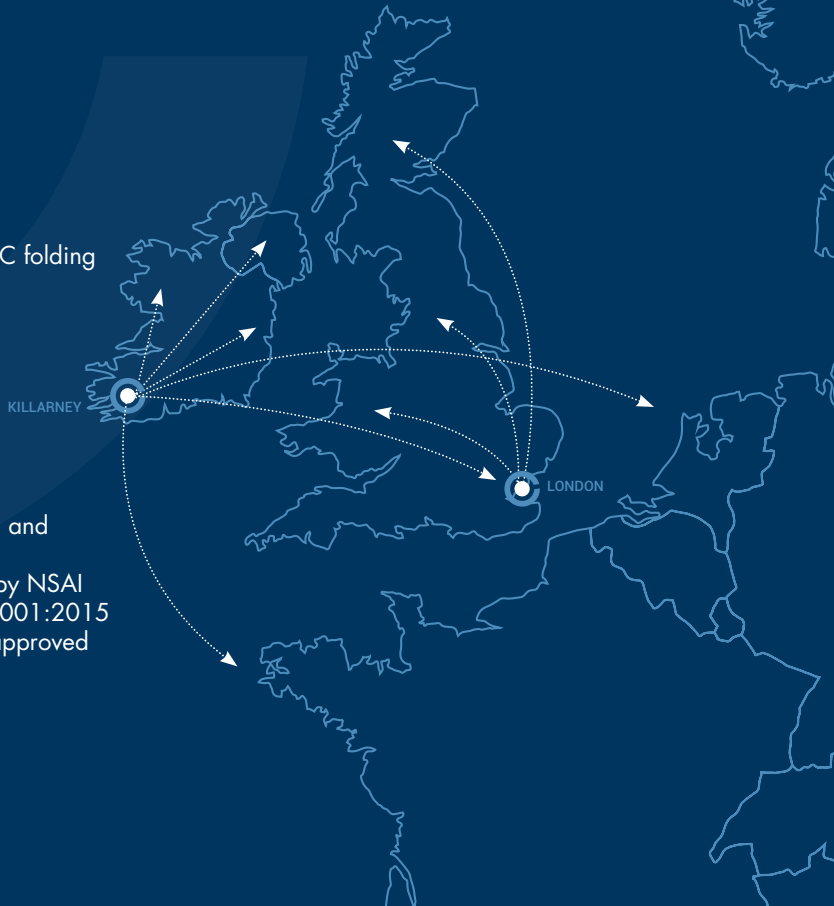
- Design & structural certification, professional indemnity & product insurances.
- BIM ready
- 3-D site survey (capturing exact 'as built' dimensions)
- Detailed 3-dimensional rendered drawings
- Unambiguous quotations | value engineered solutions
- Flat pack, supply only or site installation services

RESOURCES

- 130+ employees in a 7,500 m2 technologically advanced 'lean manufacturing' facility.
- 3-D laser technology – next generation laser cutting.
- CNC 3-D plasma profile cutting, CNC drilling line, NC folding
- Robotic welding
- Mild & stainless steel, aluminum and glass
- Shot-blast and wet spray finishing

STANDARDS

- O'Carroll Engineering's commitment to quality, health and safety are paramount
- Our standards have been independently recognised by NSAI in the achievement of the ISO quality certificate ISO9001:2015
- O'Carroll Engineering are CE mark – EN1090 FPC approved
- Total traceability of materials, material and welding certificates available as required
- Validated by Achilles Building Confidence Advanced



BRITISH STAINLESS
STEEL ASSOCIATION



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