Energy, experience and commitment

MCR Engineering

Automation Door, Loading Bay and Lift Systems Industrial Cleanroom



About MCR Group

MCR Engineering are part of MCR Group, one of the largest providers of outsourced staff and services in Ireland. MCR Group provide a broad range of service solutions including Personnel, Cleaning, Security as well as Industrial Engineering services employing a workforce of over 2,000 employees.

MCR Engineering provide innovative engineering solutions with divisions responsible for:

- **Industrial Doors, Specialist Lifts, Gates, Dock and Loading Bays**
- **Automation**
- **Cleanroom Equipment**
- **Industrial Engineering**

Company Background

MCR Engineering currently provide services to over 500 sites nationwide including many large scale pharmaceutical and manufacturing facilities.

Below are some sample clients that we are providing services for:

- Abbott Ireland
- Aer Lingus
- Alexion
- Amazon
- Aryzta
- BD Medical
- Boston Scientific
- Bristol Myers Squibb
- BWG Foods
- Carroll Cuisine
- Dawn Farm Foods
- FMC Biopolymer
- Genzyme
- Glanbia
- GlaxoSmithKline
- Green Isle Foods
- Grifols
- Harvey Norman
- IKEA
- Irish Distillers
- Largo Foods
- Manhattan Peanuts
- Mylan
- Nypro
- Pepsi Cola
- Procter & Gamble Regeneron
- Biopharmaceuticals
- Rottapharm
- Rye Valley Foods
- Shamrock Foods
- Total Produce
- Uniphar

Financial and company history

1996	MCR Personnel established as a Construction recruitment company
2000	Turnover €15m achieved
2005	Turnover €45m achieved
2005	MCR Cleaning, MCR Security and MCR Engineering established and organically grown
2006	Group Turnover €61m achieved
2007	Group Turnover €75m achieved
2008	As construction output drops turnover reduces to €49m
2009	Group Turnover drops to €26m
2010	Group Turnover €25m
2011	Group Turnover €26m
2012	Group Turnover €27m
2013	Group Turnover €29m
2014	Group Turnover €35m
2015	Group Turnover €41m
2016	Group Turnover €50m
2017	Group Turnover €65m

MCR Engineering
Door, Loading Bay and Lift Systems

Loading Dock Systems
In today's environment, smooth efficient movement of goods in and out of your building is essential to enhance the profitability of your business operation. With over 30 Years' experience in the industry, MCR Engineering's experienced staff will assess your requirements and tailor our vast range of products to match your budgetary and loading dock needs.

Goods Lifts, Disabled Access Platforms and Bespoke Lifts
We understand efficient movement of your goods & services vertically throughout your premises is essential. MCR Engineering's innovative and experienced staff will assess your requirements and determine the best solution for your needs. With capacities ranging from 50Kg to 10,000kg, MCR Engineering have the product to service your needs.

Industrial Door Solutions
From Industrial to commercial, retail to processing, MCR Engineering have the door to suit your requirements. Our experienced staff have the depth of knowledge to provide all the necessary assistance in helping you select the right door for the right application.

Smoke & Fire Protection
Smoke & Fire protection within your building is of utmost importance in protecting both your product & your staff.

MCR Engineering have a number of solutions which can be tailored to suit your requirements. Our range includes the latest technologies allowing for discreet installations for both new & existing applications. All of our solutions provide our clients with an assurance of having certified fire and or smoke protection equipment

Specialist Doors
For extreme working conditions such as food industry working in sub-zero temperatures, medical & pharmaceutical our many specialists' doors provide the ideal solution to your access and isolation needs with guaranteed high quality performance.

Hermetically sealed, clean room and cold storage are some of the many types of high quality door products. These can be delivered and installed to meet the highest specifications for any 'specialist' application.

Automatic Gates, Traffic Barriers & Entrance Systems
MCR Engineering provide a complete range of products for controlled access to your premises including Automated Gates and Traffic Barriers.


CAUTION
STAND CLEAR
AUTOMATIC
GATE
CAUTION
STAND CLEAR
AUTOMATIC
GATE


Stobart






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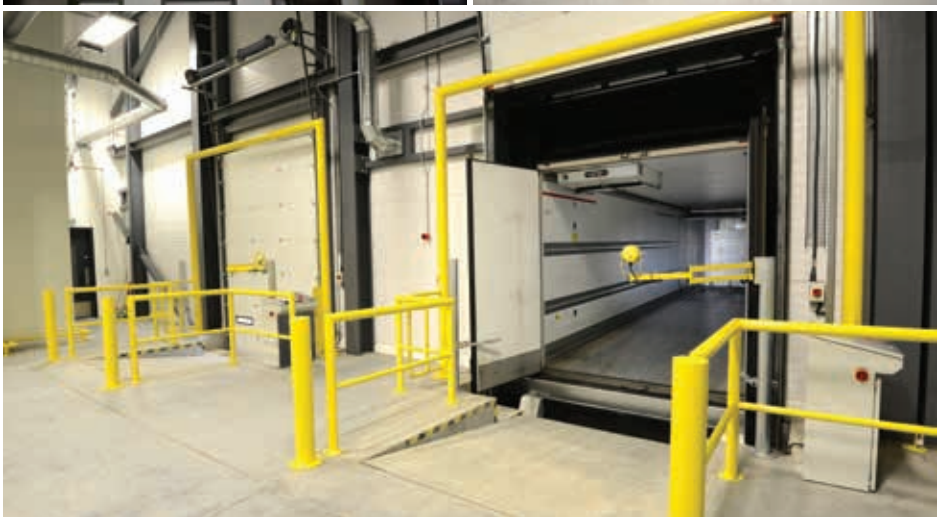


MCR Engineering: Esidock









MCR Engineering: Esidock

Esidock have revolutionised the drive-thru loading process where high levels of sanitation and energy conservation is demanded. Hygiene, temperature control and facility contamination during the loading and unloading processes are the major issues in food and pharma related transportation.

The Esidock unique design incorporates the fundamental principles for efficiency, safety and energy conservation whilst maintaining an unbroken seal between the docked vehicle and the loading dock. For the first time in the industry the doors of the docked vehicle can be opened into the loading bay, a flexible 4 sided environmental seal secures the cold chain and a vertically stored articulated dock leveller enables efficient drive-thru access onto the vehicle. The system is corrosion resistant and is specifically designed to allow for easy cleaning of the complete loading dock.

The Esidock can be integrated into an existing building or incorporated in a standalone dock pod; the pod can be insulated with a combination of door options depending on the application.

Esidock: The solution for unbroken cold chain.

- With Esidock you can provide an unbroken cold chain with provision to open docked vehicle doors into loading dock
- Esidock provides a secure environmental seal between docked vehicle and loading dock
- Esidock features retractable dock bumpers to allow unrestricted access into docked vehicle
- Esidock is designed to service the conventional range of refrigerated containerised vehicles
- Esidock components are easily accessed for cleaning

ClearDock
ClearDock is a fully automated system enabling the bumpers to retract by hydraulic rams providing efficiency for warehouse operators and for the truck driver. By enabling the opening of docked vehicle doors into the loading dock, ClearDock vastly increases loading and unloading productivity reducing turnaround times.

ClearDock provides a secure loading dock ensuring the truck can be docked into the loading bay and left there without opening truck or warehouse doors while the operator is preparing to attend the bay.

Constant Contact Seal
Constructed from robust but simple components the Constant Contact Seal solution is suitable for the majority of truck types and has multiple application possibilities. To ensure compatibility with the users' needs there are a variety of versions available.

EsiDock Constant Contact Seal has been designed for ease of fitment in both new build and retrofit applications. The Constant Contact Seal outperforms its inflatable competitor in both operational and economic terms.

Double Deck Vehicle Lift
The double deck lift provides a cost effective and highly efficient means of loading double deck trailers. The free standing design allows this lift to be installed in both new and existing sites. A wide range of finishes allow the lift to merge seamlessly with any building.

Esidock Air Doors
Unique air door products providing an invisible and impermeable entry barrier to freezer and chill rooms.



MCR Engineering: Automation

MCR Automation specialises in automated production line machinery supply. In particular we specialise in end of line packaging, automated transport systems AGV's, automated storage solutions and general materials handling products. Our design team will provide you a full turnkey solution for all product ranges including cases, plastic crates, trays, pallets, and many of other products. We can add modular packaging systems, relocate packing lines, and oversee the complete project from design to operation.

We work with brands like; Blueprint Automation, Pattyn Packaging Lines, Soco System, Endoline, Egemin, Christ Packing-Systems, Q-System, Toppy, Transpak, TAWI Vacuum Lifters & Cyklop. In addition, we perform Prototyping, Engineering and Design of new projects, study and realisation of equipment and related using the latest Cad, 3D Modelling and Engineering solutions according to the specifications dictated by the customer.

Systems Integrator
We are a 'systems integrator' bringing together the full package of machinery and controls for each engineering project, to give the complete solution. We have the technical expertise and the resources to deliver winning results – every time.

- Solutions and Unique Concepts
- Full Engineering Team Installation
- Project Management (by us)
- After-sales machinery servicing

Packaging Solutions
From individual machines to complete packaging systems, we have a huge variety of solutions that will maximize your packaging output

- Bag in Box Systems
- Carton Erectors
- Carton Sealers
- Wraparound & Sleeving
- Case Packing Pallet Technology

High tech manufacturing and warehousing should always operate at optimum efficiency. This is only achievable by using the best & very latest technology. Complete systems and even single machines will give major improvements, so if your operation needs to move, invert, wrap, stack, or load a pallet – we have all the pallet technology solutions you will need.

- Palletisers
- Pallet Handling / Inverting Pallet Conveying
- Strapping
- Stretch Wrapping

Automatic Guided Vehicles
MCR Engineering is at the forefront of automated fork lift and guided vehicle technology in Ireland. We offer systems that are designed, installed and serviced by our engineering team that will bring huge labour savings and a reduction of handling incidents to your business.

- Reduce Labour costs
- Guaranteed to perform as instructed
- Non-stop work (24hr)
- Consistent Handling Ability

Ergonomic Lifting and Handling Equipment
MCR Engineering ergonomic equipment will increase effectiveness and profitability within your company.

- Vacuum Lifters Lift & Tilt Tables
- Ergonomic Work Stations Pallet Managers
- Lift Aids Safety Barriers

Automated Washers
We have the experience and expertise needed for washing product and non-product containers. Our automated washers combine consistent levels of high quality washing, with labour saving automated operation. De-stacking and handling assist versions as well as many other options are available, to complete your project specifications.

- Tray & Small Parts Washing
- Pallet washing
- Drum washing
- IBC washing





MCR Engineering:
Industrial Engineering

The MCR Industrial Engineering division specialise in project management, design, manufacture and installation of industrial engineering solutions. Products range from one-off machined components to complete pharmaceutical production room and changing room fit-outs.

MCR Engineering work with precision and fine finish on every project. We set very high standards for ourselves and deliver time and time again to our customers. We have an extensive portfolio of Projects and Clients in particular within the Pharmaceutical and Food & Beverage sectors where standards are extremely high. In addition, we perform prototyping, engineering and design of new projects and the study and realization of equipment using the latest CAD 3D Modelling and Engineering solutions to client specifications.

We also have our own fabrication workshop and access to packaging technology, pallet technology, lifting and handling equipment, automated washers and automated guided vehicles through our Automation division.

Our fully qualified team work closely with our clients from design conception stage through to completion to ensure complete client satisfaction in our quality products. We continually strive to surpass the quality required by our clients.

Together with a team of Designers, Engineers and Installation Engineers, as well as long term relationships with multiple suppliers MCR industrial Engineering is ready to provide Industrial Engineering services to compliment other services which are currently provided as part of the MCR group

ERP utilising the latest SAP software:
- Project management
- Product planning
- Quality control
- Research & Development

3D Design utilising the most up-to-date SolidWorks, AutoCAD and Revit integration:
- Solid modelling
- 3D Rendering
- Prototyping

Workshop processes:
- Pharmaceutical Grade Stainless Steel Fabrication
- Precision machining
- Trespa – high pressure laminate

GMP Standards
MCR is proud of our total commitment to GMP principles from initial concept to final project handover.

For a detailed overview of our project portfolio please visit **www.mcrindustrialengineering.ie**







MCR Engineering:
Cleanroom Equipment

MCR Industrial Engineering is the leading supplier of Cleanroom Equipment to the Irish pharmaceutical and manufacturing industries. We are the proud Cleanroom Equipment partners of Palbam Class, Acorn Powell, Block Engineering and Kemmlit.

MCR provide high quality GMP stainless steel fabrications including full laboratory and cleanroom fit outs to clients from the food, pharmaceutical and manufacturing industries.

Within the Cleanroom Equipment Division, we supply a full range of Stainless Steel GMP compliant cleanroom solutions for all needs.

We work with top class manufacturers across the globe including:

- Palbam Class: Israel
- Acorn Powell: United Kingdom
- Block Engineering: Czech Republic
- Kemmlit: Germany

MCR supply a full range of Trespa Top lab furniture such as dispensers, cabinets and cupboards, manufactured in Germany. We carry a full range of standard stock products with a bespoke design service to meet any specifications for our clients.

Please visit **www.cleanroomequipment.ie** for more information

Cleanroom Equipment

Changing Rooms
- Seating
- Garment Storage
- Dispensers
- Accessories

Hygiene and Waste
- Waste Bag Holders
- Waste Receptacles
- Disposal and Recycle Units
- Wipe Down Units

Tables and Workstations
- Ergo Tables
- Heavy Duty Tables
- Custom Tables
- Accessories
- Height Adjustable Workstations
- Laptop and Flat Screen Workstations
- Keyboard Holders

Storage and Handling
- Cabinets and Cupboards
- Shelving
- Trolleys and Carts
- Steps

Sinks and Washrooms
- Sinks and Wash Stations
- Showering and Hygiene
- Taps, Valves and Accessories
- Drinking Fountains

Health and Safety
- Eye and Face Wash
- Drench Showers

Other Products Include:
- Stainless Steel Isolators and Fume Hoods
- Down Flow Booths
- Cleanroom Automation
- Cleanroom Doors



Cleanroom Equipment





MCR Engineering:

Sample Door, Loading Bay and Lift System Projects

- **Apple Computers:** Cork.
  Refurbishment of 17 loading bays. Value: €225k
- **Ardmac: Tech Group,** Dublin. Loading bay and Fast acting door installation. Value: €100k
- **BWG:** Dublin.
  MCR supplied and fitted 10 dock levellers, 18 Constant Contact Head Seals, civil and construction works, refurbishment of existing loading bays, 6 new loading bays, and upgraded 12 existing loadings bays, all with constant contacts and 2 air curtains. Value: €300k
- **Dawn Meats:** Waterford.
  Esidock installation, galvanized platform and fast acting doors. Value: €85k
- **Deane Roofing:** BMS, Dublin.
  Insulated roller shutter door installation. Value: €75k
- **Irish Distillers:** Dublin.
  Constant contact installation. Value: €50k
- **John Sisk and Son:** Microsoft Dub 5 and 6.
  Goods attendant lift Value: €200k
- **John Sisk and Son:** West Pharma, Waterford.
  Loading bay installation. Value: €160k
- **Mac Interiors:** BMS, Dublin.
  Insulated RSD installation. Value: €45k
- **MACE:** Microsoft, Holland. Goods.
  Attendant lift and 2 scissors lifts. Value: €190k
- **PJ Hegarty:** Regeneron, Limerick.
  Upgrading loading bays with 3 sectional doors and 1 Nergeco Fast acting door. Value: €100k
- **SIAC:** Covanta Waste to Energy Plant, Dublin.
  Door installation Value: €70k

Sample Esidock Projects

- **Aryzta:** Dublin. 18
  Constant Contact Dock Seals. Value: €65k
- **Finnebrogue Artisan Foods:** Down.
  4 Esidock systems with vehicle restraint system. Value: €180k
- **Glanbia:** Monaghan.
  2 Esidock Dock systems. Value: €75k
- **JSL:** Grifols, Dublin.
  7 Esidock loading dock systems. Value €200k
- **Lacpatrick:** Derry.
  1 Esidock system. Value €40k
- **Newcold:** Poland.
  17 Esidock systems. Value €450k
- **Newcold:** U.K.
  14 Esidock systems. Value: €370k
- **Pepsico:** Cork.
  1 Esidock dock pod system. Value: €45k
- **PJ Hegarty:** Regeneron, Limerick.
  4 Esidock Dock Pod systems. Value: €200k
- **Vitacress Salada:** Andover, U.K.
  13 Esidock Dock systems. Value: €455k

- **Red Electrical:** Dexion House, London. Installation of Mitsubishi VRF system to new Student Accommodation in Wembley. Value €220k.
- **Red Electrical:** Sherwood Court, London. Installation of 12 Toshiba Air Conditioning Units and 9 Heat Recovery Units. Value: €100K.
- **Troy Group:** Hoxton Hotel, London. Installation of Air Conditioning to all 209 bedrooms. Value: €300k.

Sample Automation Projects

- **Ballina Beverages** (Coca Cola Concentrates): Mayo. Fully Automatic Case Erecting and Sealing Machines, Value: €165k.
- **Dawn Meats:** Waterford. -30 Degrees Cold Room Conveyor Handling for McDonalds Burgers. Value €90k
- **FMC International Ltd:** Cork. Bag in Box Packaging Line for Bulk Powder Products. Value: €450k
- **GSK:** Cork. Pallet Conveyor System for Bulk Powder Denture Adhesive Products. Value €510k
- **Lakelands Dairies:** Cavan. Fully Automatic Case Erecting and Sealing Machines. Value: €100k
- **Nutrition Supplies & Services Limited:** Cork. Bag in Box Packaging Line. Value: €620k
- **Nypro Ireland Ltd:** Wicklow. Packaging line for Unilever Posh and Polaris Products. Value: €700k
- **Pepsi Cola:** Cork. Automated guided vehicle handling Lines, Box Forming Lines and Pallet Elevator Systems. Value: €850k
- **Pipelife:** Cork. Pipe Coil Handling Systems for Existing Coiler and New Spiral Film Wrapping System. Value €215k
- **Vistakon Ireland:** Limerick. High Speed Carton forming Lines. Value €110k

Sample Industrial and Cleanroom Projects

- **Allergan:** Dublin. Design, Manufacture and supply of bespoke GMP pharma grade equipment. Value: €150k.
- **Allergan:** Dublin. Design, manufacture and supply of stainless steel pharma grade production equipment. Value: €80k
- **Ardmac:** Alexion, Dublin. Design & Manufacture of Stainless Steel bollards, bump rails and corner protections, pharma GMP standards for cleanroom environments. Value: €200k.
- **Asgard Cleanroom Solutions:** BMS, Dublin. Design & Manufacture of Stainless Steel Built-In Enclosed Furniture, pharma GMP standards for cleanroom environments. Value: €500k.
- **Asgard Cleanroom Solutions:** BMS, Dublin. Supply of GMP standard Eye wash & safety showers for cleanrooms. Value excess: €100k.
- **Asgard Cleanroom Solutions:** BMS, Dublin. Supply of GMP standard Trespa high pressure laminate laboratory furniture. Value: €300k.
- **Becton Dickinson:** Dublin. Design & manufacture of industrial equipment. Value: €75k.
- **Creagh Medical:** Galway. Supply of GMP stainless steel cleanroom furniture. Value: €25k.
- **Depuy:** Cork. Supply of bespoke lift equipment. Value: €45k.
- **Mylan:** Dublin. Assessment and design of product contact GMP industrial solution for manufacturing. Value: €50k.
- **Pharmaceutical client:** Dublin site. Design & Supply of GMP standard Trespa high pressure laminate PAL furniture. Value: €420k.

"I would recommend MCR to any pharmaceutical manufacturer as they understand the practices of GMP cleanroom from a low to high risk environment. Their staff were trained in accordance with BD Medical expectations and guidelines."

Noel Loughnane,
Process Engineer, Packaging,
BD Medical

"We are delighted with our two new EsiDocks. These have proved a very practical solution to resolving the issue we had at our plant in Virginia. I see the EsiDock becoming industry standard before long. For Glanbia, it has provided us with industry leading hygiene standards in our warehouse operations. We have also noticed turnaround times are vastly improved and our shunter has become almost redundant."

Maurice Murphy,
Glanbia Ingredients
Engineering Manager

"We find MCR to be extremely reactive to our requirements and are able to provide a solution to our needs at very short notice. I would have no hesitation in recommending their services."

Chris Boylan,
Production Manager,
Allergan

"MCR carry out services at our Damastown Facility. MCR provide a very professional service. All of the works carried out are to a consistent and excellent standard."

Wesley Horan ,
Maintenance Manager,
Rottapharm

"When we were considering what dock system we wanted to install the first question, as always, is how efficient can we make them. I am happy to report that we are realising all of our aspirations. Despatching time of finished goods has improved by a massive 55% over our old method of loading. Our energy usage in the area has improved by 10%, but the actual improvement is much higher given that we have increased our despatch area by over 550m2. From an operational stand point the improvement of our H&S systems and technical processes is significant. No longer do we have lorry drivers stopping 5 meters short of the docks and walking around the back of their vehicles to open truck doors with the subsequent risk of a workplace transport accident. No longer do we have the technical risk of birds or insects flying into the back of the open trailer contaminating our products before the lorry backs on or away from the dock. This has all been eliminated thanks to the Esidock system.

I now look forward to the completion of our 2nd installation of the 3 additional Esidocks on our Raw Material intake bays."

Jonathan Fowler,
Managing Director,
Arctica



"Having availed of MCR Engineering on a broad range of projects we have admired their professional, 'can do' approach. Their principals are accessible at any time and they provide a high quality range of products, on time and at competitive market rates."

James Riordan,
Contracts Manager,
John Sisk and Son

"We find MCR to maintain a high standard of quality, integrity and innovation in all their operations. They can consistently meet programme and maintain a safe, motivated workforce. We would have no hesitation in using them on any of our projects."

Migdo Natal,
Industrial Engineering Manager,
Nypro Healthcare

"MCR Group have a longstanding relationship with Walls as one of our most prominent service providers. They are able to provide an excellent service with quality staff across all their divisions. This allows us to have one supplier for all our requirements."

Adrian Corcoran,
Construction Director, Walls.

"I have always found MCR to be flexible in their approach and the hands on knowledge and expertise of the staff on the ground is excellent."

Patrick Coady,
Bilfinger Site Manager,
Abbott Longford

"MCR have continuously provided a quality service to Ardmac across all of our clean build sites. We choose MCR time and time again due to their professionalism and the importance they place in delivering an end finish that both Ardmac and our clients will be satisfied with."

Jan De Groot,
Contracts Manager,
Ardmac

"MCR Group work with Stewart providing a number of services across a large range of sites. They recently provided the loading dock equipment at the new Grifols pharmaceutical plant in Grangecastle. They provide an excellent service at competitive prices, their staff are personable and professional and I am happy to recommend their ever expanding range of services."

Paul Stewart,
Managing Director,
Stewart.

"We avail of the full range of MCR services and right across the board they provide a top quality service. Their staff are proactive, their reaction times excellent and it makes sense for our site teams to have one point of contact. I can fully recommend MCR Group as they have grown to become a key partner for Bennett Construction."

Paul Bruton,
Managing Director,
Bennett Construction.

Key Clients include

- Abbott
- ABM Construction
- Aecom
- Aer Lingus
- Allergan
- An Post
- Apple
- Aramark
- Amazon
- Ardmac
- Aryzta
- Asgard Cleanroom Solutions
- Atlantic Industries
- Ballina Beverages
- Bam Contractors
- Becton Dickinson
- Bennett Construction
- Bristol Myers Squibb
- BWG Foods
- C&D Foods
- Cadburys
- Carroll Cuisine
- CBRE
- Central Mint
- Clancy Construction
- Clearsphere
- Collen Construction
- Covidien
- Culina Logistics
- Dairygold
- Danone
- Dansko Foods
- Dawn Farm Foods
- DePuy Ireland
- Designer Group
- Duggan Bros
- Finnebrogue
- FMC Biopolymer
- Forest Labs
- Frank Keane Motors
- Ganson Construction
- Gerard Labs
- Glanbia
- GlaxoSmithKline
- Gleeson Group
- Google
- Green Isle Foods
- HA O'Neill
- Holden Installations
- HSG Bilfinger
- Irish Country Meats
- Irish Distillers
- Jacobs Engineering
- John Paul Construction
- John Sisk & Son
- Johnson Controls
- JZ Flowers
- Kepak
- Kerry Foods
- Lake Region
- MAC Interiors
- Manley Construction
- MDY Construction
- Modubuild
- Mylan
- Mythen Construction
- Newcold
- Nutrition Supplies
- Nypro
- Penn Engineering
- PepsiCo
- Pfizer
- Pipelife Quality Plastics
- PJ Hegarty
- PM Group
- Procter & Gamble
- Purcell Construction
- Savills
- Siac Construction
- Structuretone
- Tech Group
- Tesco Ireland
- Total Produce
- Uniphar
- United Drug
- Valeo Foods
- Walls Construction
- Yves Rocher

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Belfast
Newry
London

MCR Group has been one of the largest providers of outsourced staff and services in Ireland since 1996.

MCR Group provides a broad range of service solutions through a number of professional subsidiary companies. In response to the market's growing demand for multi-service suppliers, we provide Labour, Cleaning, Security, Flooring and Engineering services nationwide, currently employing a workforce of over 2,000 employees.