

# Advanced Engineering in Manchester

Manchester City Region is leading the way in advanced manufacturing and engineering functions that are fundamental to the global supply chain. Manchester's strong industrial heritage has paved the way for high-value, knowledge and skill-intensive specialisms, as the city region strengthens its position as an industry pioneer.

## An Industry Stronghold

Manchester's engineering base develops and implements technologies across a broad spectrum of industry sectors including: aerospace, automotive, chemicals, construction, textiles, food & drink and energy.

Strong research and development places Manchester firmly at the forefront of world-leading innovation in the sector. Recent work in the field of advanced materials is set to permeate the entire global economy, revolutionising the way goods are produced and consumed.

Named **Europe's top city for business competitiveness** and ranked in the **top ten most cost competitive locations for manufacturing\***, Manchester has a proven track record of performing particularly well in the following industry operations;

- ✿ Precision Manufacturing; Precision Components
- ✿ Metal Components; Metal Machining
- ✿ Aerospace; Aircraft parts
- ✿ Automotive; Automotive parts
- ✿ Plastics; Plastic Products
- ✿ Agri-Food; Food Processing
- ✿ Chemicals

*\*Competitive Alternatives: KPMG's Guide to International Business Locations 2010*

## Key Sector Strengths

### Advanced Manufacturing

Manchester is home to considerable expertise in a number of areas of advanced manufacturing, most notably precision engineering. Globally, this is becoming an increasingly sought after skill, which is very difficult to outsource. Companies in Manchester City Region can offer excellent service to businesses in the tool making, aerospace, medical instrumentation, power generation and automotive sectors.

### Advanced Materials

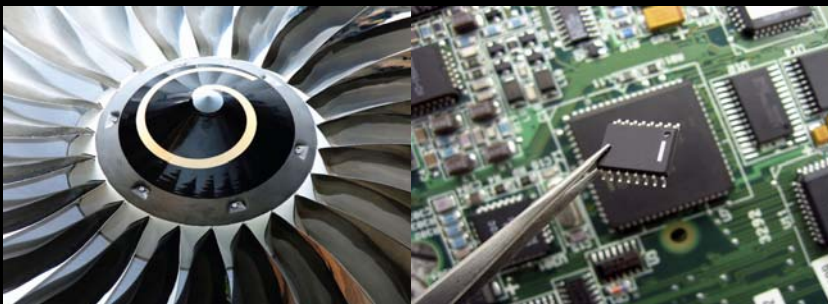
The strength of Manchester's universities and their robust links with industry has led to the creation of unrivalled local expertise in the field, most notably in the development of metallic systems, which, combined with strengths in composite materials, is driving the innovation of new lightweight and recyclable materials solutions for a wide range of markets.

### Design Engineering & Product Development

Manchester has the skills and infrastructure in situ to support firms involved in the design of products and components, from research and development through to commercialisation. The thriving independent design engineering cluster is a key component of the sector's business services in Manchester and supports innovation in a number of industry fields.

### Engineering Consultancy & Support Services

Manchester's infrastructure and its ability to facilitate easy access to markets in the UK, across Europe and beyond has made it a natural hub for some of the world's leading construction and engineering consultancies such as Atkins, Aecom and Jacob's Engineering.



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## Supporting your Operation

### Research & Development

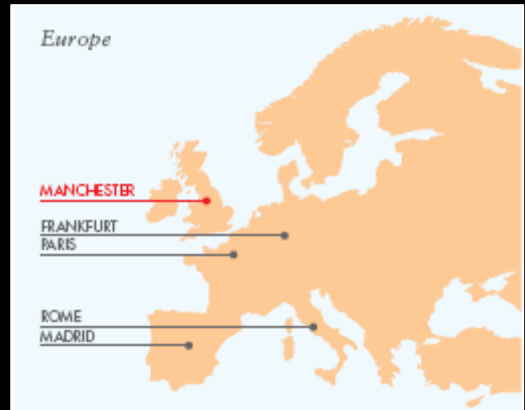
The University of Manchester has a long-established reputation for academic excellence in materials science. The university's School of Materials is ranked 1<sup>st</sup> in the UK for Research Power and works alongside leading companies such as Rio Tinto Alcan, Airbus, Jaguar Landrover, Electricité de France, Serco, Rolls Royce, Smith & Nephew and Johnson and Johnson.

### Physical Infrastructure

Manchester's location at the heart of the UK's motorway network, access to a deep sea shipping port and an airport connecting businesses to over 200 destinations worldwide, means the city region is ideally placed to be a central hub for distribution. Manchester's extensive property portfolio can support any accommodation requirement, balancing the need for a high quality facility with significant cost savings.

### Workforce Solutions

Engineering firms in Manchester are able to tap into a broad and deep talent pool, from operatives to senior engineers. Over 4,100 students from Manchester's five universities graduate each year in engineering and science-related subjects, with a further 44,800 students studying the subjects at universities located within an hour's drive of Manchester.



## Global Operations Thriving in Manchester

Siemens • Jacobs Engineering • ThyssenKrup  
Brother • Hitachi • BASF • Tyco • Thales  
Scapa • Total Petrochemicals • Renold  
Luxfer • PZ Cussons • Honeywell • AMEC  
Costain • AECOM • Milliken • Heimbach  
Albany International



MIDAS, Manchester's Investment and Development Agency, is tasked with securing significant levels of new investment and employment for the city region. This is achieved through the global business marketing of Manchester, targeting key markets and sectors, and the provision of an extensive, free and confidential package of advice and assistance to national and international companies that wish to relocate to – or expand within – Manchester City Region.

MIDAS has a proven track record in supporting advanced engineering businesses to establish new operations in Manchester. For further information on how MIDAS can support your organisation, please contact the MIDAS business development team:

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