

# Labour Market Information (LMI) Employer & Further Education Toolkit

## ENGINEERING AND MANUFACTURING



Greater Manchester  
Chamber of Commerce



Greater Manchester  
Learning Provider Network

**EDUCATION & TRAINING  
FOUNDATION**

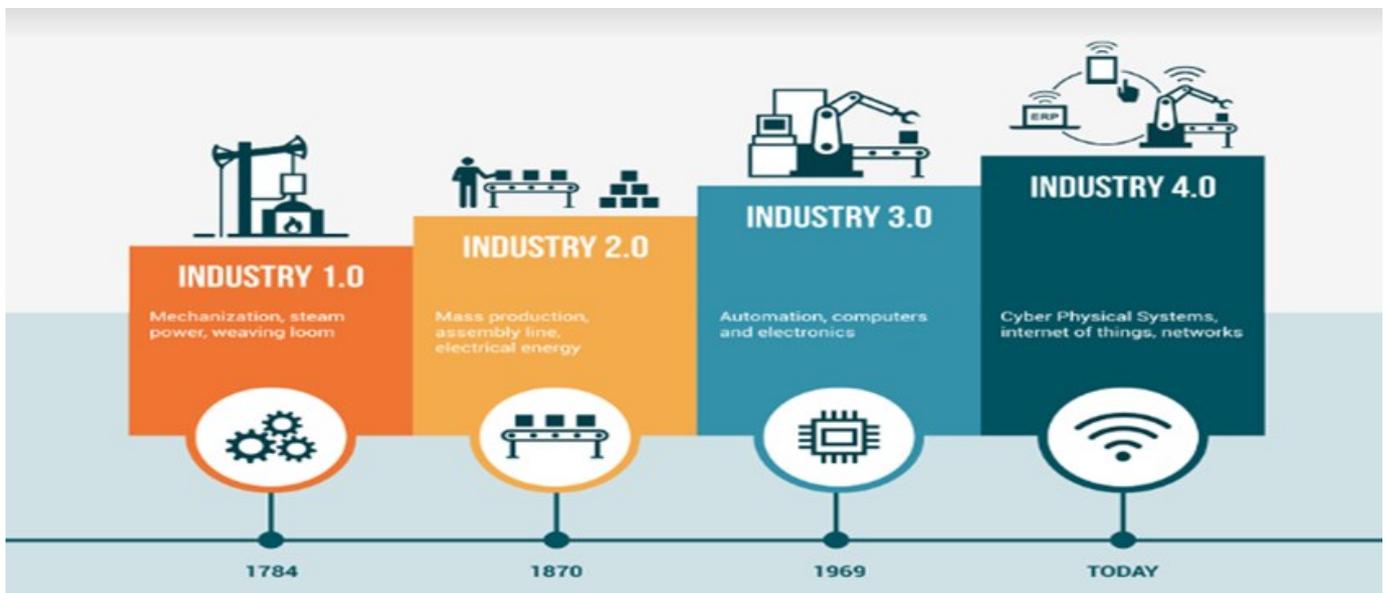
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# Greater Manchester Overview of Education & Employment in the Engineering & Manufacturing Sector\*

Greater Manchester provides companies with access to some of the best talent in manufacturing and engineering. Over 114,000 people are employed in the sector working in areas as diverse as aerospace, chemicals, defence, electronics systems, precision medical instrument manufacturing, software engineering and transport. The region's workforce is highly skilled with 50,000 employed in advanced manufacturing, and the level of productivity surpasses the national average. Our talent pipeline is further complemented by over 14,000 students studying engineering and other STEM subjects.

From the first industrial revolution, 'Industry 1.0', represented in the diagram below, to the present day, 'Industry 4.0', the skills needed in the engineering and manufacturing sector are ever evolving:



Greater Manchester's four world-class universities: 1) University of Bolton, 2) University of Salford, 3) Manchester Metropolitan University and 4) University of Manchester, have a track record of working with industry to deliver innovation across major industrial sectors, including aerospace, automotive, technical textiles and the nuclear industries.

They are home to some of the world's leading research institutes including Europe's largest materials science research centre, BP's International Centre for Advanced Materials, the National Graphene Institute, Dalton Research Institute, National Composites Certification and Evaluation Centre, Aerospace Research Institute, Institute for Materials Research and Innovation, North West Composite Centre, and the Centre for Autonomous Systems and Robotics.

With investments of nearly £500m including the development of the Sir Henry Royce Institute for Materials Research and Innovation, the region is a centre of excellence. These assets help to place Greater Manchester at the heart of future growth in the UK's engineering and manufacturing sector.

\* For more information, please see the '*Manufacturing and Engineering Factsheet*' published by Manchester Investment Development Agency Service: <https://www.investinmanchester.com/dbimqs/MIDAS%20Sector%20Factsheet%20Adv%20Manufacturing%20v2.pdf>

# What is the average salary for Manufacturing/Engineering jobs in Greater Manchester?

## Engineering:

- ◇ The average salary for Engineering jobs in Manchester is £52,500.
- ◇ In March 2019, the average salary for Engineering jobs in Manchester rose by £5,791 (5%).

## Manufacturing:

- ◇ The average salary for Manufacturing jobs is £57,500.
- ◇ In March 2019, the average salary for Manufacturing jobs rose by £1,541 (10%).

For the latest salary information: <https://www.cwjobs.co.uk/salary-checker/average-manufacturing-salary>

## What is LMI?

Greater Manchester Chamber of Commerce and the Greater Manchester Learning Provider Network helps businesses and further education providers make informed workforce development and employment decisions through real-time LMI, including statistics, projections and trends on employment, occupations, labour supply and demand, earnings, population and demographics.

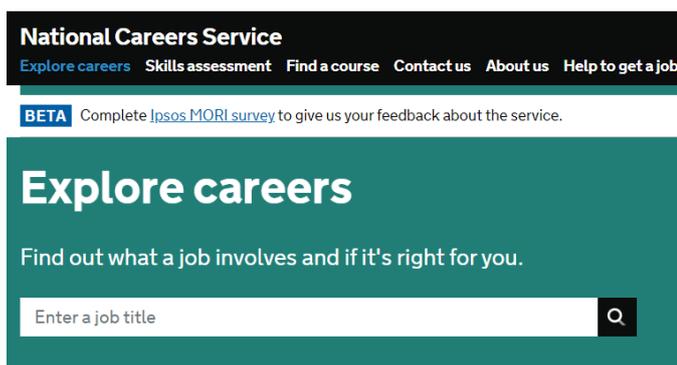
## Use LMI to help your business, teaching staff and students:

- ◇ Determine workforce development opportunities
- ◇ Learn about fair wages and earning potential
- ◇ Explore the types of jobs available
- ◇ Identify where the jobs and businesses are located
- ◇ Find training opportunities

## Where to find current Labour Market Information:

### 1) National Careers Service

<https://nationalcareers.service.gov.uk/>



The screenshot shows the top navigation bar of the National Careers Service website. It includes the logo 'National Careers Service' and a menu with links: 'Explore careers', 'Skills assessment', 'Find a course', 'Contact us', 'About us', and 'Help to get a job'. Below the navigation bar is a 'BETA' badge and a message: 'Complete Ipsos MORI survey to give us your feedback about the service.' The main content area has a teal background with the heading 'Explore careers' and the text 'Find out what a job involves and if it's right for you.' At the bottom of this section is a search input field with the placeholder text 'Enter a job title' and a magnifying glass icon.

### What is it?

The National Careers Service, is a web-based LMI delivery system that provides information, advice and guidance to help you make decisions on learning, training and work.

## How can I use it?

The National Careers Service provides information job roles in engineering & manufacturing and what skills are needed to do them. The National Careers Service is best used for students considering a career in engineering & manufacturing or individuals who are considering a change of career and are new to the sector.

## 2) The Science, Engineering and Manufacturing Technologies Alliance (Sector Skills Council):

<https://semta.org.uk/>

### What is it?

Semta Group exists to help engineering and manufacturing learners, employers and individual workers to develop the skills they need to succeed, in order to create a vibrant UK economy.

### How can I use it?

Semta Group has number of services and initiatives for people to learn more about the sector and become involved in, including expert guidance, skills solutions and employment focused initiatives to empower you and/or your organisation. This includes, 'Engineering Talent', a new platform, based on the principles of retaining and training, that has been specifically designed to support those who want to work in the engineering and manufacturing industries.



## 3) Greater Manchester Bridge

<https://bridgegm.co.uk/labour-market-information>



### What is it?

Whether you're a learner, teacher or a business leader GM Bridge aims to provide you with the best information and resources to help you bring careers into the classroom and workplace.

## How can I use it?

GM Bridge provides unique insights and helpful figures, helping bring lessons to life at school, enhancing the curriculum, career sessions & employer visits. It also provides real-world examples of how specific subjects and skills in Engineering and Manufacturing are vital for future employment in the Greater Manchester region.

## 4) Institution of Civil Engineers (ICE): <https://www.ice.org.uk/>



## What is it?

ICE supports civil engineers and technicians throughout their careers. They award professional qualifications that are the industry standard, lead the debates around infrastructure and the built environment and provide an unmatched level of training, knowledge and thinking.

## How can I use it?

ICE has an online 'career builder', which details a huge range of jobs and all types of engineering. Importantly, the online resource focuses on an all age career, so whatever the age of the person accessing the information, there are resources to help. ICE advocates that as civil engineers come from all different backgrounds, spending years training, learning and getting qualifications, it is important to share success stories in what is often, an extremely rewarding career.

## 5) Advanced Manufacturing Institute <https://www.manufacturinginstitute.co.uk/>

## What is it?

The Advanced Manufacturing Institute helps manufacturing businesses make significant and lasting improvements to their businesses through education, training and onsite support services.





## How can I use it?

There are hundreds of different apprenticeships to choose from. 'Find an Apprenticeship' helps learners, parents, carers and teachers look at what apprenticeships are available in their chosen subjects or geographical area. The on-line resource is useful for anyone over the age of 16 who is considering an apprenticeship, whether at the start of career, considering changing career direction, or returning to work after a break.

## T– Levels

T Levels will be delivered from September 2020 and are a new two-year technical programme for young people aged 16 to 19, developed in collaboration with employers and businesses to ensure the content prepares students for work and that it meets industry need.

T Levels will become one of the three main choices for students after GCSEs alongside Apprenticeships and A levels.

Students will complete a two-year classroom based vocational qualification delivered by Further Education Providers. 80% classroom based, 20% industry placement.

Although the first T Levels will be delivered from September 2020, Engineering and Manufacturing is scheduled for delivery in September 2022 :

- ◇ Engineering & Manufacturing – Maintenance, Installation & Repair; Manufacturing, Processing and Control; Design and Development

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