

# Engineering and technology workforce

**6.4** million people work in engineering and technology jobs in the UK, that's 19% of all jobs

Engineering and technology jobs predicted to grow in all UK regions between now and 2030 faster than other occupations

**16.9%** of the workforce in engineering and technology are women vs. 56% in other occupations

**14%** of the workforce in engineering and technology are disabled vs 19% in other occupations

**14%** are from a minority ethnic background

**18%** in other occupations

Ethnicity	Engineering and technology occupations	All other occupations combined
Asian	8%	9%
Black	3%	5%
Mixed ethnic groups	1%	2%
Other ethnic groups	2%	2%
White	86%	83%

UK workforce breakdown

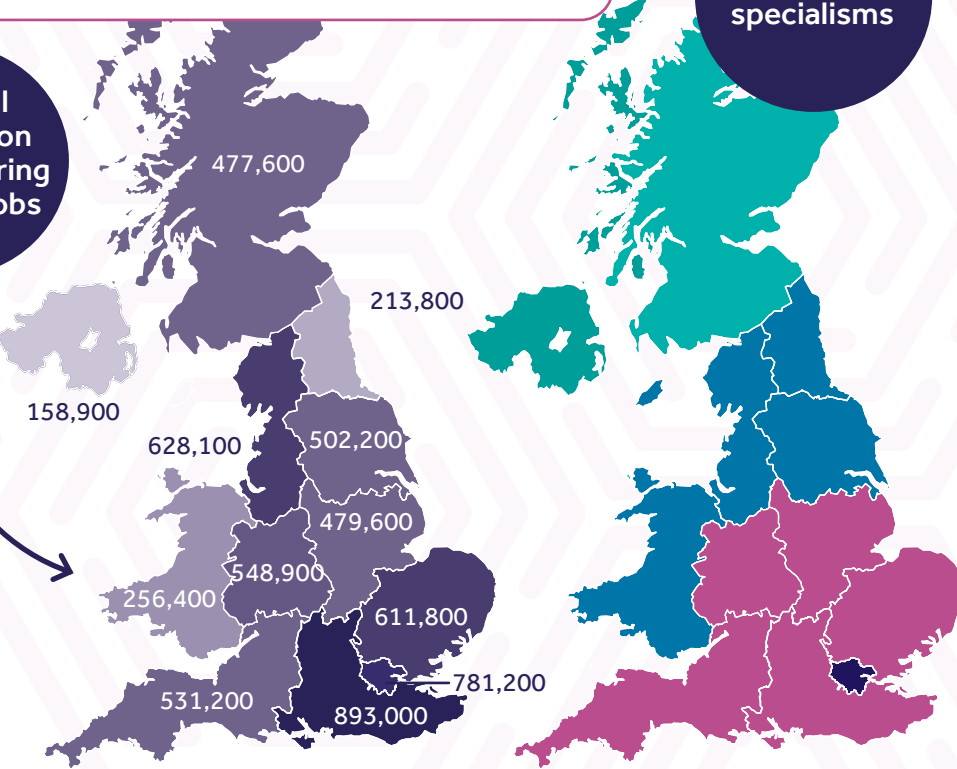
**13%** working as an engineer in the engineering and technology industry

**10%** working in the engineering and technology industry but not as an engineer

**6%** working as an engineer in a different sector

**71%** neither working as an engineer nor in the engineering and technology industry

Regional distribution of engineering and tech jobs



Geographical specialisms

- Environment, energy and earth occupations
- Skilled trades, industrial and general operative roles
- Mechanical and electrical
- ICT and civil engineering roles

Over 6m engineering and technology professionals are employed in the UK. Jobs are predicted to grow but the industry faces skills shortages and lacks diversity, with women the most underrepresented group.

Interest in STEM careers

Science	Technology
44% Girls	23% Girls
47% Boys	52% Boys
Engineering	Maths
29% Girls	32% Girls
63% Boys	45% Boys

**83%** of students were more interested in engineering jobs because of The Big Bang Fair

**31%** of students were more interested in science, engineering and tech because of The Big Bang Fair

**85%** of STEM teachers recommend a career in engineering

**19%** of students were more interested in engineering careers because of Energy Quest

What students and teachers say

**25%** of all job adverts are for engineering and technology roles

**1 in 5** jobs in the UK are in engineering, yet engineering vacancies account for 1 in 4 adverts

**48%** increase in job adverts mentioning 'green skills'

**55%** increase in job adverts for 'green engineering jobs'

Up to **725K** new jobs are needed to support the transition to net zero