

Engineering and technology workforce

6.4

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



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 only 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



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

Occupation and industry

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

6% working as an engineer in a different sector

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

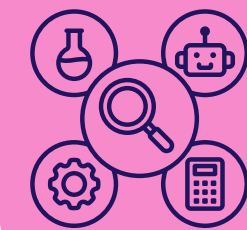
71% neither working as an engineer nor in the engineering and technology industry

Engineering and technology occupations All other occupations combined

Ethnicity		
Asian	8%	9%
Black	3%	5%
Mixed ethnic groups	1%	2%
Other ethnic groups	2%	2%
White	86%	83%

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

44% Girls 47% Boys

Technology

23% Girls 52% Boys

Engineering

29% Girls 63% Boys

Maths

32% Girls 45% Boys

Geographical specialisms



Environment, energy and earth occupations



Skilled trades, industrial and general operative roles

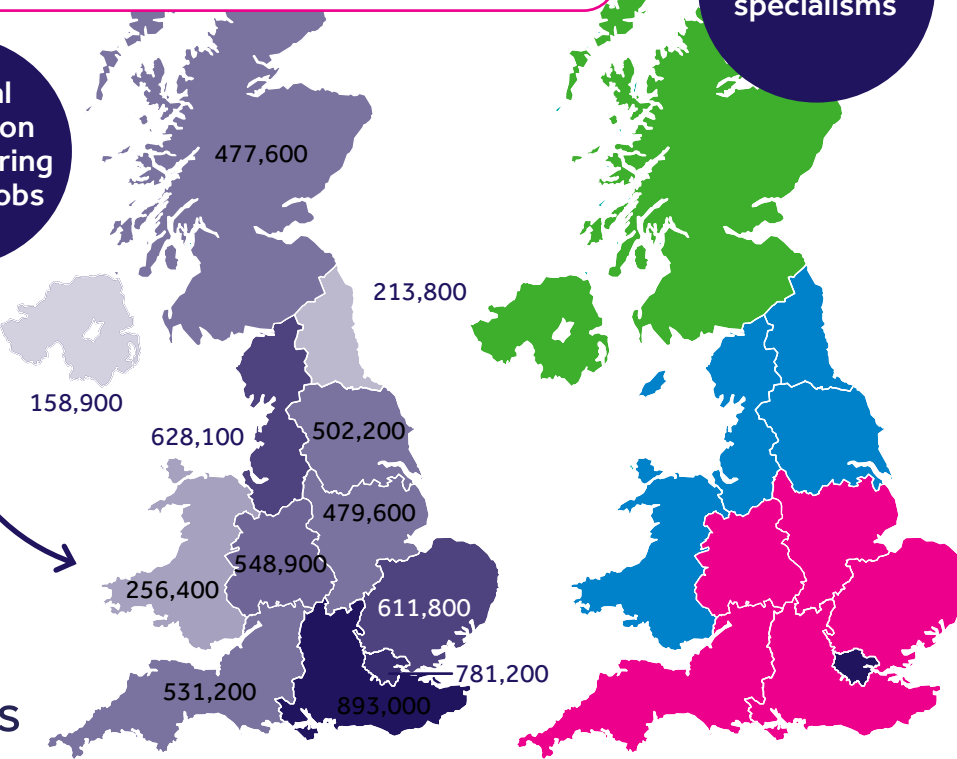


Mechanical and electrical



ICT and civil engineering roles

Regional distribution of engineering and tech jobs



83% of students were more interested 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% were more interested in engineering careers because of Energy Quest

What students and teachers say