

# 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

**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



## 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

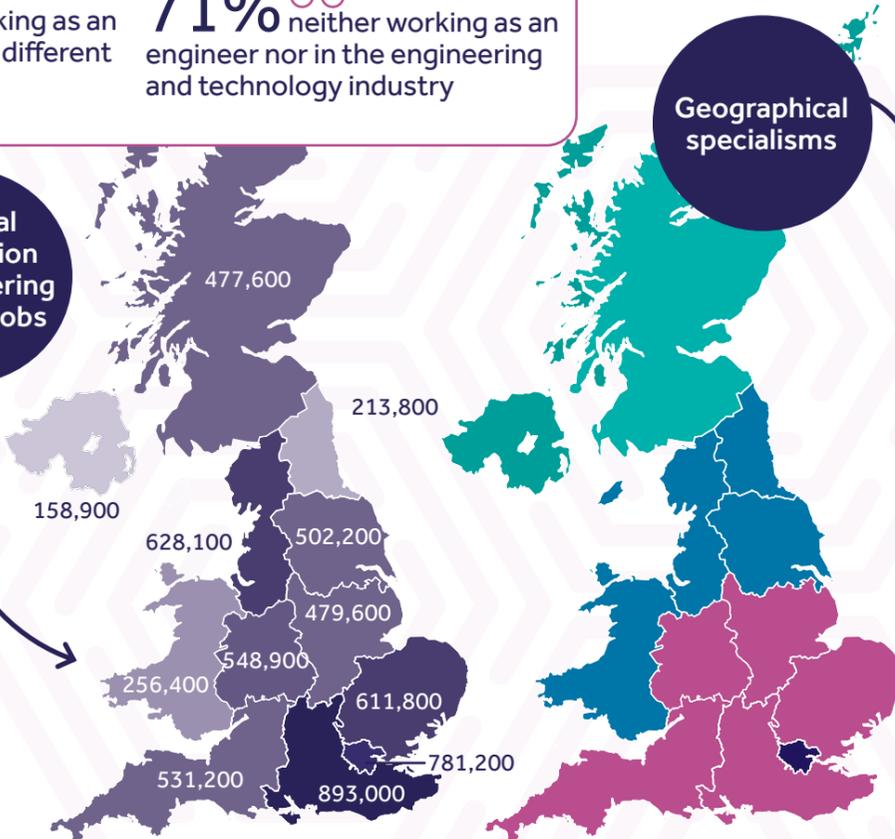
**71%** neither working as an engineer nor in the engineering and technology industry

**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%                            |

## 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



| STEM Career | Girls | Boys |
|-------------|-------|------|
| Science     | 44%   | 47%  |
| Technology  | 23%   | 52%  |
| Engineering | 29%   | 63%  |
| Maths       | 32%   | 45%  |

**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