# UK Nuclear Workforce

## Factsheet

By 2030 the UK nuclear workforce is expected to grow to

# 123,000

Average number of people the sector needs to recruit per year. That is the equivalent to filling the **Royal Albert Hall** more than three times.

# 18,000

The sector employs around **3,000** Project Controllers. An average of **500** per annum will be required over the next five years.

Engineers make up nearly **25%** of the nuclear workforce, with an additional **46,000** engineers needed by 2030.

## NSSG
nssguk.com

# Workforce projections

The NSSG's labour market insight uses predictive techniques to provide a robust evidence base to inform the strategic skills agenda.

| | 2023 | 2030 | 2035 | 2040 | 2043 |
|---|---|---|---|---|---|
| Programme demand | 93k | 123k | 112k | 128k | 161k |
| Required recruitment in year | 18k | 23k | 12k | 15.5k | 22k |

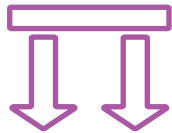Recruitment (cumulative) required by 2030

# 135,000

The size of the workforce in 2043
# 161,000

Faces an immediate shortfall (approximate)
# 10,000

## 1000 higher level skills
The increase in the number of science and technology graduates and PhDs required by 2028

Anticipated recruitment to meet growth and attrition over 20 years
# 350,000

* The difference between the current workforce and total programme demand 2023

# Scarce/critical skills

In 2022 the NSSG profiled the most significant skills risks. This resulted in the identification of 11 priority skill areas, which drives current activities.

| | |
|---|---|
| Nuclear Engineers | Nuclear Skills |
| Systems Engineers | Nuclear Skills |
| Health and Safety - Radiological Protection | Nuclear Skills |
| Project Planning and Control | Skills for Nuclear |
| Generation | Nuclear Skills |
| Welders | Skills for Nuclear |
| Trades Support (not otherwise counted) | Skills for Nuclear |
| IT and Telecoms | Skills for Nuclear |
| Civil and Structural Engineers | Skills for Nuclear |
| Nuclear Safety Case Preparation | Nuclear Skills |
| Mechanical Engineers | Skills for Nuclear |

**45%** of the existing workforce are skilled at **level 5** and above

**10%** of the current workforce aged **60** or above

# Workforce demographics

| Gender | | | Age | | |
|---|---|---|---|---|---|
| Male | Female | Non Binary | 20-29 | 30-49 | 50+ |
| 78.6% | 21.4% | <0.1% | 22.5% | 44% | 33.5% |

Nuclear workforce modelling based on a 16GWe Model and AUKUS Scenario. Excludes UKAEA and fusion workforce predictions.

# NSSG

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The Nuclear Skills Strategy Group is the employer-led skills lead for the nuclear industry and provides one voice to Government.

The NSSG brings together our nuclear sector to collaborate on common skills challenges. Using an evidence-based approach, we identify the key skills risks and develop effective prioritised interventions designed to mitigate critical skills gaps.