The Nuclear industry provides employment for approximately 58,000 people. Of these 14,000 are in Defence and 44,000 are in the civil sector. The civil nuclear operators employ 24,000 people directly in the areas of Electricity Generation, Decommissioning, and Fuel Processing. The remainder is employed in the direct supply chain to the industry. Regions of concentrated operational employment include the North West (53%), the South West (15%), Scotland (12%) and the South East (9%).

New build Nuclear offers significant potential for workforce renewal. It will also induce job creation in the supply chain for construction and manufacturing. Without new build, the workforce is set to decline by 58% by 2025. Peer reviewed scenarios for new build suggest that the impact on employment could be equivalent of three London Olympics projects by 2026.

Critical Skills (New Build Supply Chain)\(^6\)

**Design & Planning**
- Project and Programme Managers
- Safety Case Authors
- Design Engineers (various)
- Geotechnical Engineers
- Regulators

**Equipment Manufacture**
- Manufacturing Engineers
- Control & Instrumentation
- Welders (high integrity, materials)

**Engineering Construction**
- Non-destructive Engineers

**General Nuclear Culture and Experience**
- The Project Management skills required to deliver effective projects
  - Adequate and relevant Capability/Experience of the sector

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**The Workforce**

**Employers and Employees by Size** \(^4\text{,}5\) (direct and indirect)

- Nuclear: 2008
- Employers: 2008
- Employees: 58,000

**Age Profile** \(^3\text{,}5\)

- 16-24: 5%
- 25-34: 17%
- 35-44: 21%
- 45-54: 20%
- 55-64: 19%
- 65+: 14%

**Occupational Distribution** \(^3\text{,}5\)

- Managers: 16%
- Professionals: 13%
- Associate Professional and Technical: 10%
- Administrative and Secretarial: 10%
- Skilled Trades: 8%
- Personal Service: 8%
- Sales and Customer Service: 7%
- Process, Plant and Machine Operatives: 7%
- Elementary: 9%

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**Skill Level of Civil Nuclear Workforce** \(^5\) (excl. Supply chain)

- Semi-Skilled: 23%
- Skilled: 24%
- Technician: 18%
- Professional: 18%
- Managers and Senior Management: 11%

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2. National Employers Skills Survey (NESS) 2009,
3. Labour Force Survey (LFS) 2009, ESIDS 2010
4. Cogent Industry Estimate
According to Nuclear Skills Oracle survey, the annual employment turnover in the Nuclear industry was 13% in 2010.

- The main recruitment routes into the sector were: ‘Agency Supply Workers’ (41%) and ‘Mature Entrants’ (34%).
- The main departure routes of the sector were: ‘other’ (71%), retirements (23%) and redundancies (6%).