

# Sectoral Skills Assessment Construction

October 2023

#### **Sectoral Skills Assessments**

First launched in 2017, the purpose of the Sectoral Skills Assessments (SSAs) is to provide a robust evidence base to support partners in strategic skills investment planning. Skills Development Scotland (SDS) has worked with key partners and stakeholders in the production of SSAs to ensure an inclusive approach to their development, dissemination and utilisation.

SSAs include published data sets. Inevitably, when using published data there is a time lag, but the data contained is the most up-to-date available at the time of writing.

SSAs also include forecast data that has been commissioned through Oxford Economics. The Technical Note<sup>1</sup> provides full detail on the caveats that must be applied when using forecast data, but broadly, it should be noted that:

- Forecasts are based on what we know now and include past and present trends projected into the future.
- The more disaggregated they become, especially at smaller geographical units, the less reliable they are likely to be.
- Their value is in identifying likely directions of travel rather than predicting exact figures.
- The forecasts do not account for national or sectoral activities, initiatives or investments that are planned.

Industries and occupations used in the SSAs are defined by standard industrial classifications (SIC) and standard occupational classifications (SOC). The Office for National Statistics have SIC<sup>2</sup> and SOC<sup>3</sup> hierarchy tools that can be used to understand the classifications in more detail. **This SSA infographic is for the Construction sector.** The sector underpins Scotland's economy, providing housing for Scotland's population; developing the transport infrastructure; and making a significant contribution to the sustainability of the built environment. Please see Appendix 1 for the SIC definition used in this report.

Key Sectors are central to our Skills Investment Planning approach. Each Key Sector has a tailored Skills Investment Plan (SIP) which outlines trends in skills and qualification supply and employers' perspectives on the skills issues affecting the sector. Regional SIPs have also been developed and are available alongside SIPs on the SDS website.<sup>4</sup>

The SSAs are part of a suite of Labour Market Insight publications by SDS. Other products in the suite include:

**Economy, People and Skills** provides succinct and up-to-date evidence on Scotland's economy, business and people. It is updated monthly.

Regional Skills Assessments provide a coherent evidence base to inform future investment in skills, built up from existing datasets and forecasts for Regional Outcome Agreement areas, Rural Scotland and all City and Growth Deals regions. It is updated annually.

The **Data Matrix** is an interactive tool offering data from a variety of sources in a visually engaging format. It is updated frequently.

Alongside the suite of Labour Market Insight publications, SDS also produces a wide range of reports such as statistics on the Apprenticeship Family and the Annual Participation measure for 16-19 year olds. Further information can be found on the <u>Publications and Statistics</u> section of the SDS corporate website.

For any further information or queries on the SSAs or any of our other products, please contact: **RSA@sds.co.uk** 

We value user feedback on the Sectoral Skills Assessments. If you would like to provide feedback on the SSAs please do so <u>here</u>.

We held a series of sectoral webinars to complement the publication of the Sectoral Skills Assessments.



The recording of the Construction webinar can be found on the SDS YouTube Channel <u>here</u>.

You can also watch the webinars for other key sectors and regions in Scotland <u>here</u>.

#### The Context for Scotland's Labour Market and Sectoral Insight

Within the last 10 years, the economy has faced disruption due to events such as the pandemic, Brexit, the war in Ukraine, and the cost of living crisis. In addition to these events, megatrends around demography, technology, and the environment have continued to shape Scotland's economy and labour market.

This section provides an overview of five key drivers of the Scottish labour market, highlighting that an agile and responsive skills system is vital to respond to the challenges and opportunities that exist in the economy, to support and attract inward investment, to increase productivity and to tackle inequality and deprivation.

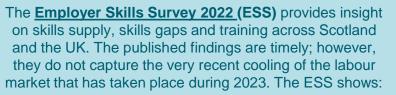


The Economy

Scotland and the UK have been hard hit by rising inflation, tight monetary policy, and subdued economic performance. The impact of the war on Ukraine, increased energy prices, and a tight labour market have resulted in inflation reaching a 40-year high in 2022. At the time of writing, inflation has started to fall, but at a slower pace than previously anticipated. By the end of 2023, the Bank of England expect inflation to be 4.9%, falling to within the 2% target by Q2 of 2025.<sup>1</sup>

Interest rates have increased to combat rising inflation, and rates are likely to remain higher for longer than expected as inflation proves challenging to address. This has weighed on economic growth and the outlook for Scotland and the UK remains uncertain, with downside risks. Forecasts predict Scotland<sup>2</sup> and the UK<sup>3</sup> will see weak economic growth between 2023 and 2026.<sup>3</sup> International growth is also expected to be weak by historical standards, with global growth of 3% forecast for both 2023 and 2024.<sup>4</sup> However, the success of Scotland's economy is not solely based on GDP. There has been growing commentary on the need to evaluate the economy on measures other than GDP growth, such as how the economy serves society and sustains the environment. The Scottish Government's National Strategy for Economic Transformation (NSET) noted a commitment to a 'Wellbeing Economy' – 'a society that is thriving across economic, social and environmental dimensions'.<sup>5</sup>

#### Skills Shortages and Skills Gaps



- Supply challenges have worsened across Scotland and the UK, and vacancies have become harder to fill.
- There has been a sizeable rise in skills shortages, 10% of establishments in Scotland reported a Skills Shortage Vacancy (up from 6% in 2017).
- Skills gaps have decreased slightly in Scotland, 15% of establishments reported a skills gap (-1 pp) while 4.8% of employees in Scotland were not fully proficient, which was the lowest level recorded.
- Training activity has decreased across Scotland, access to training offered by employers was at the lowest recorded level since the survey began in 2011.



Technology and automation have been major disruptors and drivers of the Scottish labour market and economy over the past few decades. Ongoing advances and technological change are expected to continue to have a great impact on the global economy, particularly with the prominence of Artificial Intelligence. <sup>6</sup> This will shape consumer behaviour, modify commercial models, and drive innovations in ways of living, working and learning.

While Artificial Intelligence is expected to result in changes to the world of work, many jobs are expected to evolve rather than disappear.<sup>7</sup> However, around a third of jobs may see a large share of their tasks being automated and changed. The technological revolution has highlighted the importance of uniquely human meta-skills around self-management, social intelligence and innovation.<sup>8</sup>

As well as risks to certain jobs, technology may also create new jobs and enhance existing roles to support smarter and more agile ways of working. However, employers are already reporting digital skills gaps in the workforce.<sup>9</sup> The <u>Digital Economy Skills Action Plan</u> aims to address the digital economy skills challenge through upskilling and reskilling, to help realise the potential of Scotland's digital economy.<sup>10</sup>

SDS is exploring the potential labour market impact of Automation and Artificial Intelligence through new research. The findings from the research will be published at the beginning of 2024 and will include breakdowns of the risk of automation by gender, income and occupation.

#### The Context for Scotland's Labour Market



# Climate Change

The Climate Emergency has been recognised by governments across the world, with the Scottish Government being one of the first to do so in 2019. Recognising the gravity of the situation, the Scottish Government has set a target to achieve a net zero carbon economy by 2045.<sup>1</sup>

Growing recognition of the importance of protecting the environment will have a significant impact on the labour market. Changes in legislation and consumer behaviour will mean growing demand in some areas and a fall in others. Demand for green jobs (and green skills) is expected to increase rapidly as a result of policy and legislative drivers, and consumer choice.<sup>2</sup>

Scotland's skills requirements for the Climate Emergency are set out in the **Climate Emergency Skills Action Plan**. It outlined the need for action to ensure that current and future skills investment in support of net zero is strongly evidence based.<sup>3</sup>

The CESAP Pathfinder is a direct response to this, led by Skills Development Scotland (SDS) in collaboration with the Scottish Funding Council (SFC) and forms part of the <u>Shared Outcomes Framework</u>. The CESAP Pathfinder advances the evidence base used to identify current and future skills demand, establishes a baseline of green skills provision and identifies nine opportunities for action needed across the skills system. A suite of reports to share insights, intelligence and lessons learned is due to be published in Autumn 2023.



# Demographic Change

Scotland's population is ageing. By 2045, the number of people of pensionable age in Scotland is expected to increase, while the working-age population is projected to decline, and migration is expected to be the only source of population gain in Scotland.<sup>4</sup> Demographic change could contribute to a tighter labour market in the future, and increase pressure on the demand for public services and the funds available from tax and National Insurance to provide them.

Whilst it was initially thought that Brexit would lead to falling levels of migration, the Office for National Statistics estimated that net migration to the UK hit a record high in 2022.<sup>5</sup> Migration has been driven by non-EU citizens, while more EU citizens left than arrived in the UK. Migration from outside of the EU has been driven by a number of factors, including humanitarian schemes such as those available. to Ukrainians; higher levels of migration for study; and people coming to the UK for work. Changes to migration policy and the UK's points-based migration system could further impact migration flows.

With populations ageing, the global economy is likely to see more people working for longer due to increases in the state pension age.<sup>6</sup> Advances in medicine and technological innovations are expected to enhance the health of the older population, which in turn will likely change working habits and preferences. As a result, some targeted upskilling and reskilling may be required to enhance older workers' experience and knowledge to enable the transition into new and growing careers.<sup>7</sup>



Scotland's Census 2022<sup>8</sup>

Scotland's population was estimated to be 5,436,600 in March 2022, which marks the highest population ever recorded by Scotland's Census. The Scottish population has grown by 2.7% since the previous census, however, this growth rate was slower than the period between 2001 and 2011, when the population grew by 4.6%.

Although Scotland's population increased over the past ten years, this growth was largely driven by migration, as the number of deaths exceeded the number of births. Without migration, Scotland's population would have declined by around 49,800.

The proportion of females (51.4%) and males (48.6%) in Scotland has remained relatively unchanged compared to the previous census in 2011 (51.5% and 48.5% respectively). However, **there are now more older people in Scotland than ever before**. The number of people aged 65 and over increased by 22.5% between 2011 and 2021, while the population aged 0-14 and 15-64 decreased by 2.5% and 1.1% respectively.

#### The Context for Scotland's Labour Market and Sectoral Insight



# Inclusive Growth and Equality

Across Scotland, significant economic inequalities exist, especially for disadvantaged groups. For example, more women than men earned less than the Real Living Wage in 2022<sup>1</sup>, the disability employment gap<sup>2</sup> remained high (29.6 percentage points) in 2023, meaning people with a disability are less likely to be employed, and in the same year, the employment rate gap for the ethnic minority population compared with the white population was 9.2 percentage points.<sup>3</sup>

The Scottish Government's commitment to fairness and greater equality is reiterated in the National Strategy for Economic Transformation (NSET). One of the strategy's key ambitions is creating a fairer society – '*Ensuring that work pays for everyone through better wages and fair work, reducing poverty and improving life chances*'.<sup>4</sup>

A 'Fairer and More Equal Society' is also one of the five programmes of action outlined in the NSET. This programme of action looks to *'reorient our economy towards wellbeing and fair work'* with key aims including higher rates of employment and wage growth, and reducing poverty.<sup>5</sup>

The Scottish Government's targets are set against the challenging backdrop of the cost of living crisis and the pandemic, affecting groups already impacted by inequality the most: low-income households, young people, disabled people, and people from ethnic minority backgrounds.<sup>6</sup> Research from the Joseph Rowntree Foundation found that eight in ten single parents, large families and low-income households in Scotland had to go without one or more essentials (such as food or heating) in spring 2023.<sup>7</sup>



Market confidence can best characterised as mixed, and this term was captured in a recent report by the Federation of Master Builders State of Trade Survey. Areas such as new build housing are experiencing a decline and major building projects both public and private are being impacted by budgeting and financial constraints that have led to delays, some cancellations and "value engineering"

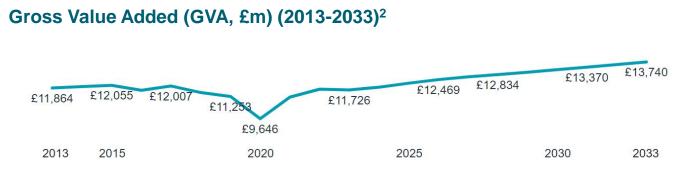
There is a greater emphasis on Heat Decarbonisation/ retrofit across the sector and reports within key Trade Associations of an increase in member companies moving to these areas as "early adopters". While numbers are increasing not yet mainstream. The Programme of Government 2023/24 committed to consulting on proposals for a Heat in Buildings Bill that will bring indicators of likely work and timescales and support to the public. This is expected to lead to an increase in companies looking to engage in this evolving work area.

CITB ONS data covering 2023–27 showed an increase in the Annual Recruitment Rate (ARR) figure, which is the gap from average new entrant numbers to the numbers that are needed to meet workloads, this is now at 4,550 a year. The previous time period was 3,910. This indicates a likely increase in future skill shortages. The CITB data shows occupational and regional variations. Construction is pioneering the <u>Accord model of</u> Industry and public sector engagement. The aim of the Accord is to support positive transformation that has a positive impact on the Industry and workforce and on linked areas including Customers and the Environment.

An Industry transformation plan is in development for a launch before the end of 2023. Critical to the Accord is cross cutting engagement across a range of areas including Skills & Workforce, Fair Work, Data, Net Zero, MMC, Quality, Digital and Procurement to drive change.

It is important to note that the forecasts used in this Sectoral Skills Assessment are policy and investment neutral. This means the figures present a baseline outlook that takes into account historical trends and external economic conditions, but the figures do not reflect investment or policy that is unconfirmed or at planning/development stage. Therefore, the forecasts should be used in conjunction with other sources, and readers are encouraged to overlay the forecasts with their own local and sectoral knowledge.

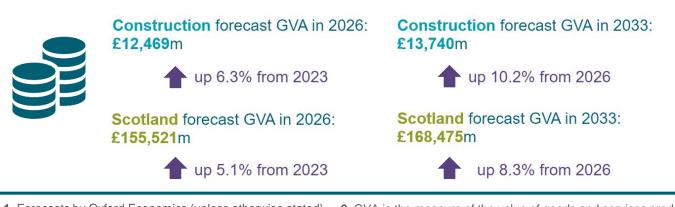
#### The Economy<sup>1</sup>



In 2023, GVA in the Construction sector was forecast to be £11,726m, generating 7.9% of Scotland's total economic output. Between 2013 and 2023, GVA in the sector grew by 0.1% on average each year, compared to growth of 1.0% across Scotland over the same period.

In 2022, the Construction sector experienced economic growth of 5.1%, which was above the Scottish economy as a whole (4.3%). GVA is estimated to contract by 0.4% in 2023, due to challenging economic conditions.

GVA in the Construction sector is forecast to grow on average 1.6% each year between 2023 and 2033, slightly above Scotland's average. In 2033, the Construction sector is forecast to account for 8.2% of Scotland's total economic output.



#### 1. Forecasts by Oxford Economics (unless otherwise stated). See Page 13 for full list of source references

**2.** GVA is the measure of the value of goods and services produced within the economy and is an indicator of the sector's health. GVA in constant 2019 prices.

#### Productivity (GVA per job)<sup>3</sup>

In this report, we have used Oxford Economics measure of productivity, which is calculated by dividing total sectoral GVA by total sectoral employment (measured by jobs). Please note, there are different ways of calculating productivity, and the pandemic has created new challenges in how productivity is accurately measured. Caution is needed when interpreting productivity data presented in this report, and it must be considered in the context of other data and insight.

In 2023, productivity in the **Construction** sector was forecast to be  $\pounds 51,500$ . In comparison, the Scottish average was  $\pounds 52,600$ .



**3.** Productivity is the measure of goods and services produced per unit of labour input. The Oxford Economics forecasts of productivity shown here have been calculated by dividing total sector GVA by total sector employment (measured by jobs).

#### **Current Demand<sup>1</sup>**



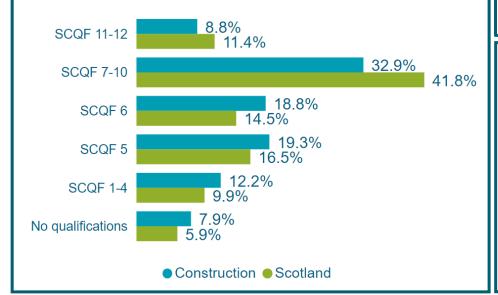
## Workforce size 2023: 197,400 people

The workforce **declined** by -8.4% or -18,100 people between 2013 and 2023. During this 10 year period, the pandemic had a notable effect on the workforce, as it declined by -19.1% or -45,800 people between 2019 and 2021.

This compares to a Scotland wide increase of 4.0% or 99,400 people between 2013 and 2023. Between 2019 and 2021, the workforce declined by -2.2% or -56,900 people across Scotland.

#### Workforce Qualifications, 2023

Construction has a lower proportion of the workforce educated to SCQF Level 7 and above, and a higher proportion educated to SCQF Levels 5 and 6 compared to Scotland.<sup>2</sup>



1. Forecasts by Oxford Economics (unless otherwise stated) 2. See SCQF Framework for further information on SCQF gualification levels

3. The proportion of the workforce in the Local Authority employed in sector is calculated by dividing the sectoral employment in the area by total employment in the area.

economies, as a higher proportion of the local workforce is employed in the sector.

The Construction sector was most prominent in the North Lanarkshire (13.5%), Aberdeenshire (12.9%), West Lothian (12.1%) and Midlothian (11.1%) local authorities.

sector may be more important to some local

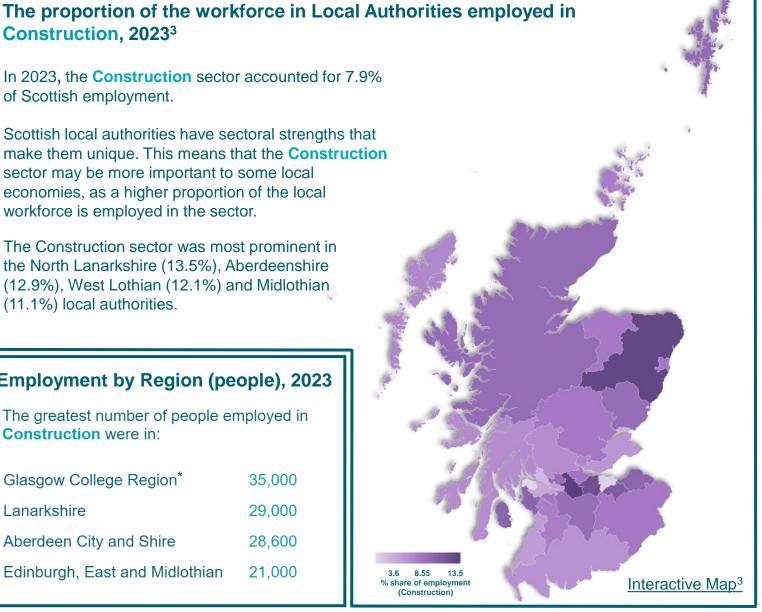
Construction, 2023<sup>3</sup>

of Scottish employment.

#### Employment by Region (people), 2023

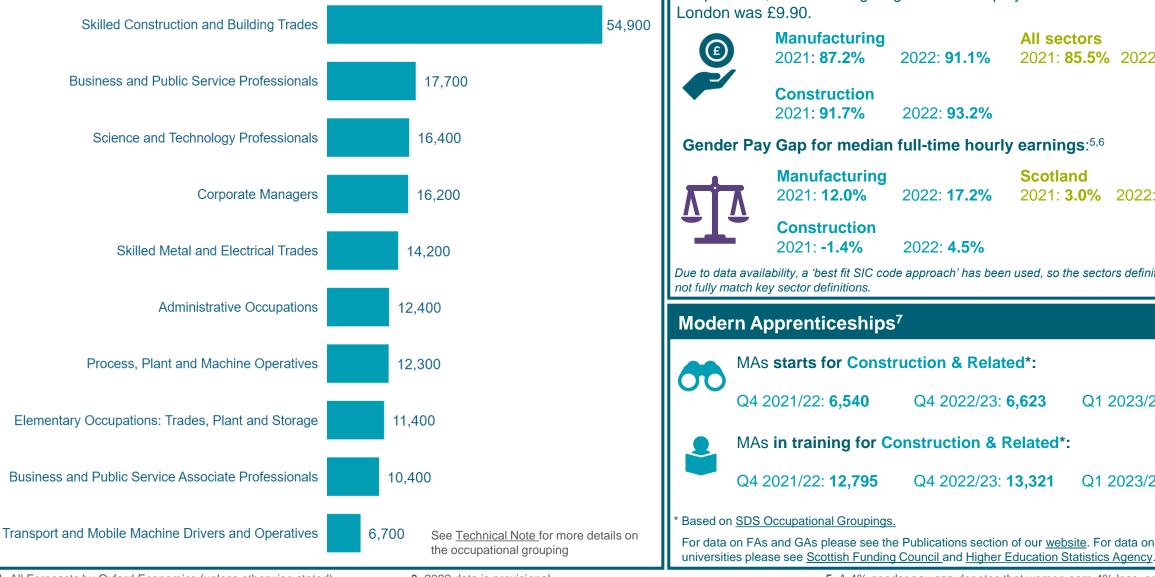
The greatest number of people employed in Construction were in:

Glasgow College Region*	35,000
Lanarkshire	29,000
Aberdeen City and Shire	28,600
Edinburgh, East and Midlothian	21,000



\*Glasgow College Region covers East Dunbartonshire, East Renfrewshire and Glasgow City local authorities.

### Top 10 Employing Occupations (people), 2023



#### Real Living Wage and Gender Pay Gap<sup>2,3</sup>

Individuals earning Real Living Wage or more:<sup>4</sup>

In April 2022, the real living wage rate for employees who did not work in London was £9.90.



Manufacturing 2021: 87.2%

2022: 91.1%

All sectors 2021: 85.5% 2022: 91.0%

Construction 2021: 91.7%

Manufacturing

2021: 12.0%

2022: 93.2%

Scotland 2021: **3.0%** 2022: **3.7%** 

Construction 2021: -1.4% 2022: 4.5%

Due to data availability, a 'best fit SIC code approach' has been used, so the sectors definitions may not fully match key sector definitions.

2022: 17.2%

#### Modern Apprenticeships<sup>7</sup>

00	MAs starts for Construction & Related*:		
	Q4 2021/22: <b>6,540</b>	Q4 2022/23: <b>6,623</b>	Q1 2023/24 <b>: 856</b>
2	MAs in training for Construction & Related*:		
	Q4 2021/22: <b>12,795</b>	Q4 2022/23: <b>13,321</b>	Q1 2023/24 <b>: 12,298</b>
Based on SDS Occupational Groupings.			
For data on FAs and GAs please see the Publications section of our website. For data on colleges and			

1. All Forecasts by Oxford Economics (unless otherwise stated) 2. Due to data availability, a 'best fit SIC code approach' has been used, so the sectoral definitions and totals in this section may vary from those we have used elsewhere.

3. 2022 data is provisional.

4. The real living wage rates have been independently calculated by the Resolution Foundation according to the cost of living based on household goods and services and are overseen by the Living Wage Commission.

5. A 4% gender pay gap denotes that women earn 4% less, on average than men. Conversely, a -4% gender pay gap denotes that women earn 4% more, on average, than men.

## Job Postings<sup>1,2</sup>

## Spotlight on... Plumbers and Heating and Ventilation Engineers<sup>3</sup>

Between January 2023 and June 2023, there were 1,500 job postings

Top Locations:Image: Glasgow City 350 job postingsImage: Glasgow City 350 job postingsImage: Glasgow City 350 job postingsImage: Glasgow City 250 job postingsImage: Glasgow City 350 job postings	<ul> <li>Specialised skills and knowledge:</li> <li>Plumbing and Boiler Repair</li> <li>Heating, Ventilation, and Air Conditioning</li> <li>Maintenance Testing</li> </ul>	Top Locations:Image: Glasgow City 350 job postingsImage: Glasgow City 350 job postingsImage: Glasgow City 350 job postingsImage: Glasgow City 	<ul> <li>Specialised skills and knowledge:</li> <li>Civil and Structural Engineering</li> <li>Project Management</li> <li>Engineering Design Process</li> <li>AutoCAD</li> </ul>
Median real-tim	ne advertised salary: £36,000	Median real-tim	e advertised salary: <b>£42,100</b>
Spotlight on Roofers, Roof Tilers and Slaters <sup>5</sup> Spotlight on		Spotlight on Stonemasor	ns <sup>6</sup>
Between January 2023 and June 2023, there were 200 job postings		Between January 2023 and June 2023, there were 50 job postings	
Top Locations:	Specialised skills and knowledge:	Top Locations:	Specialised skills and knowledge:
Glasgow City 70 job postings	<ul> <li>Roofing and Tilling</li> </ul>	Glasgow City 20 job postings	<ul> <li>Stonemasonry</li> </ul>
Edinburgh City	<ul> <li>Cladding</li> </ul>	Edinburgh City	<ul> <li>Power Tool Operation</li> </ul>
40 job postings	<ul> <li>Operations and Project Management</li> </ul>	20 job postings	<ul> <li>Hazard Analysis And Critical</li> </ul>
West Lothian 10 job postings	<ul> <li>Safety Audits and Site Inspections</li> </ul>		Control Points
Median real-tim	ne advertised salary: £30,000	Median advertised sala	ary for Bricklayers and Masons: £30,500
1. Lightcast 2023. Online job postings data pro the health of the jobs market. It is important to			s based on SOC 5313 for the whole of Scotland. Median salary n 24% of job postings.

the health of the jobs market. It is important to note that the data does not capture all activity, so it should be considered as an estimate of activity. 2. Job postings are rounded to the nearest 10 or 100.

- based on 41% of job postings.
- 4. Data is based on job titles for the whole of Scotland. Median salary based on 35% of job postings.

6. Job posting data is based on job titles for the whole of Scotland, while median salary is based on SOC 5312 and on 13% of job postings.

## Spotlight on... Civil Engineers<sup>4</sup>

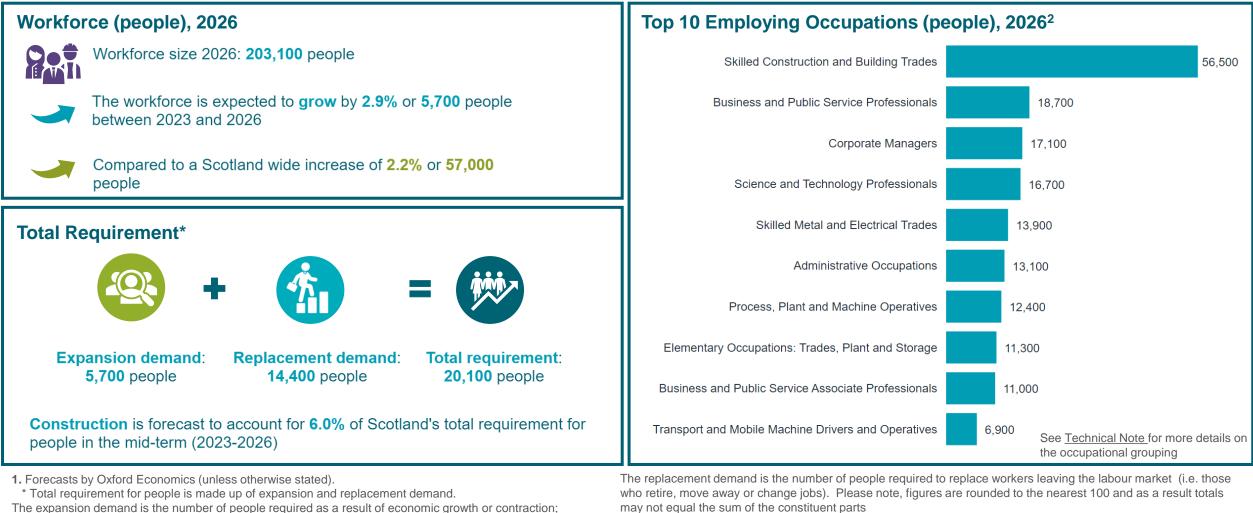
Between January 2023 and June 2023, there were **700 job postings** 

#### Future Demand: Mid-term (2023-2026)<sup>1</sup>

In the mid-term (2023-2026), the number of people in employment is forecast to grow by 2.9% (5,700 people) in the Construction sector. This is a larger percentage growth than is forecast overall across Scotland where employment is predicted to rise by 2.2% (57,000 people).

In 2026, the top employing regions in the sector are forecast to be Glasgow College Region and Lanarkshire, the same as in 2023. Similar to 2023, the largest proportion of the workforce is forecast to be educated to SCQF 7-10, SCQF 5 and SCQF 6. The top employing occupation is forecast to be Skilled **Construction and Building Trades.** 

Forecasts for the mid-term (2023-2026) suggest there could be demand for 20,100 people in the sector, as a result of the need to replace workers leaving the labour market and opportunities created through expansion demand. Whilst positive, caution is needed as a wide range of factors may impact the future labour market.

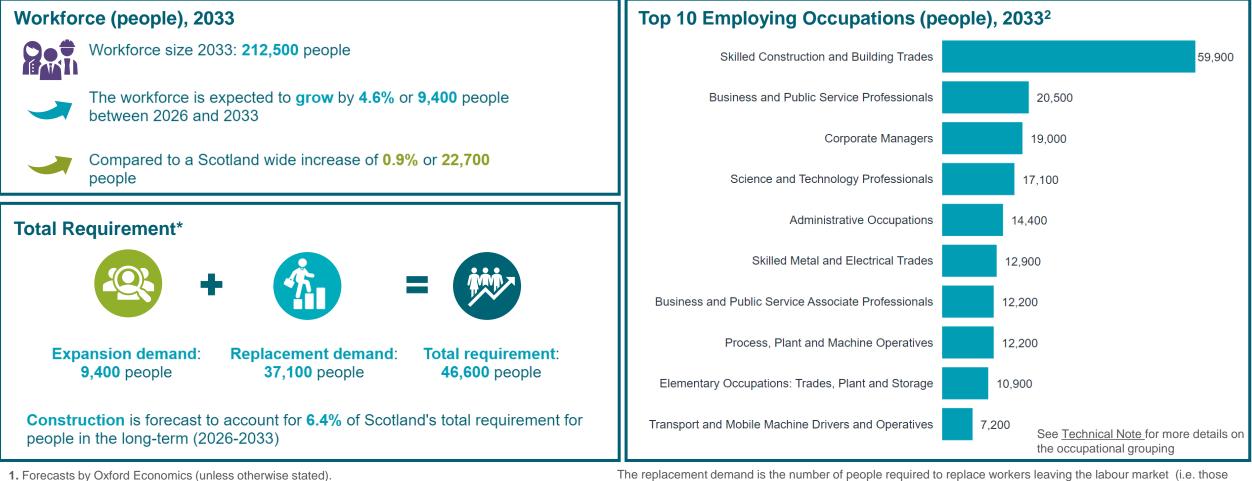


The expansion demand is the number of people required as a result of economic growth or contraction;

#### Future Demand: Long-term (2026-2033)<sup>1</sup>

Employment growth in the **Construction** sector **is forecast to continue, with an increase of 4.6% (9,400 people)** in the long-term (2026-2033). This is a larger percentage growth than is forecast overall across Scotland where employment is predicted to rise by 0.9% (22,700 people).

In 2033, **Glasgow College Region** and **Lanarkshire** are forecast to remain the top-employing regions in the sector. The largest proportion of the workforce employed in the sector is **forecast to be educated to SCQF 7-10**, followed by **SCQF 5 and SCQF 6**, and **Skilled Construction and Building Trades** is forecast to remain the most in-demand occupation within the sector. Forecasts for the long-term (2026-2033) estimate that **46,600 people** could be required in the sector. This will be driven by **the need to replace workers** leaving the labour market **and the creation of opportunities** through expansion demand.



\* Total requirement for people is made up of expansion and replacement demand.

The expansion demand is the number of people required as a result of economic growth or contraction;

The replacement demand is the number of people required to replace workers leaving the labour market (i.e. those who retire, move away or change jobs). Please note, figures are rounded to the nearest 100 and as a result totals may not equal the sum of the constituent parts

#### Appendix 1: Construction Sector Definition (SIC 2007)

#### SIC Name

#### 02.2 Logging

- 08.11 Quarrying of ornamental and building stone, limestone, gypsum, chalk and slate
- 08.12 Operation of gravel and sand pits; mining of clays and kaolin
- 16.23 Manufacture of other builders' carpentry and joinery
- 20.30/1 Manufacture of paints, varnishes and similar coatings, mastics and sealants

#### 20.30/2 Manufacture of printing ink

- 22.11 Manufacture of rubber tyres and tubes; retreading and rebuilding of rubber tyres
- 22.19 Manufacture of other rubber products
- 22.23 Manufacture of builders' ware of plastic
- 23.32 Manufacture of bricks, tiles and construction products, in baked clay
- 23.41 Manufacture of ceramic household and ornamental articles
- 23.42 Manufacture of ceramic sanitary fixtures
- 23.43 Manufacture of ceramic insulators and insulating fittings
- 23.44 Manufacture of other technical ceramic products
- 23.49 Manufacture of other ceramic products
- 23.51 Manufacture of cement
- 23.52 Manufacture of lime and plaster
- 23.61 Manufacture of concrete products for construction purposes
- 23.62 Manufacture of plaster products for construction purposes
- 23.63 Manufacture of ready-mixed concrete
- 23.64 Manufacture of mortars
- 23.65 Manufacture of fibre cement
- 23.69 Manufacture of other articles of concrete, plaster and cement
- 25.11 Manufacture of metal structures and parts of structures
- 25.12 Manufacture of doors and windows of metal
- 25.21 Manufacture of central heating radiators and boilers
- 25.29 Manufacture of other tanks, reservoirs and containers of metal
- 25.3 Manufacture of steam generators, except central heating hot water boilers
- 26.11 Manufacture of electronic components
- 41.10 Development of building projects
- 41.20/1 Construction of commercial buildings
- 41.20/2 Construction of domestic buildings

SIC	Name
42.11	Construction of roads and motorways
42.12	Construction of railways and underground railways
42.13	Construction of bridges and tunnels
42.21	Construction of utility projects for fluids
42.22	Construction of utility projects for electricity and telecommunications
42.91	Construction of water projects
42.99	Construction of other civil engineering projects n.e.c.
43.11	Demolition
43.12	Site preparation
43.13	Test drilling and boring
43.21	Electrical installation
43.22	Plumbing, heat and air-conditioning installation
43.29	Other construction installation
43.31	Plastering
43.32	Joinery installation
43.33	Floor and wall covering
43.34/1	Painting
43.34/2	Glazing
43.39	Other building completion and finishing
43.91	Roofing activities
43.99/1	Scaffold erection
43.99/9	Specialised construction activities (other than scaffold erection) n.e.c.
46.13	Agents involved in the sale of timber and building materials
46.63	Wholesale of mining, construction and civil engineering machinery
46.73	Wholesale of wood, construction materials and sanitary equipment
71.11/1	Architectural activities
71.11/2	Urban planning and landscape architectural activities
71.12/1	Engineering design activities for industrial process and production
71.12/2	Engineering related scientific and technical consulting activities
71.12/9	Other engineering activities (not including engineering design for industrial process and production or engineering related scientific and technical
11.12/5	consulting activities)
74.90/2	Quantity surveying activities

Roford	References		
Page 2	<ol> <li>SSA Technical Note (2023)</li> <li>Office for National Statistics UK Standard Industrial Classification (SIC) Hierarchy. Available online at: <u>https://bit.ly/3eMy1V9</u></li> <li>Office for National Statistics UK Standard Occupational Classification (SOC) Hierarchy. Available online at: <u>https://bit.ly/3F3xQQ0</u></li> <li>Skills Development Scotland Skills Investment Plans. Available online at: <u>https://bit.ly/3gOntFi</u></li> </ol>		
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