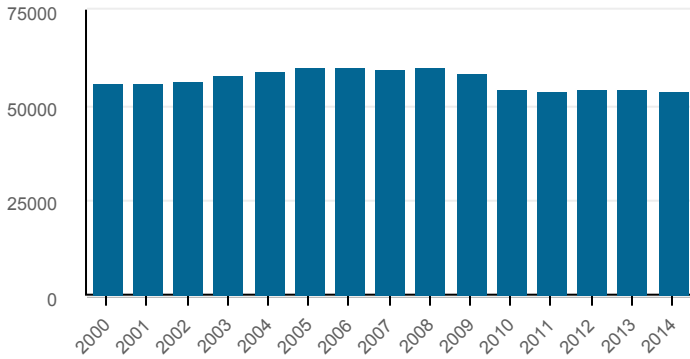


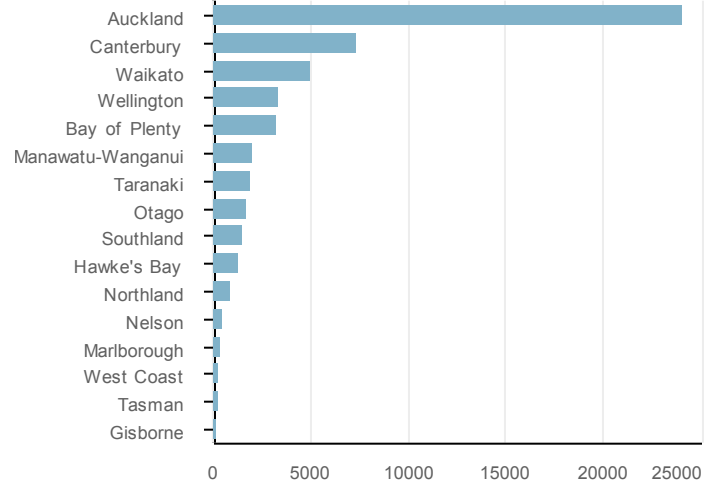
total employment

54,280 filled jobs | **2.4%** of NZ jobs | in **2014**



	Filled jobs		Change p.a.
	2004	2014	
General Manufacturing	59,122	54,280	-0.9%
Total economy	1,976,648	2,229,679	1.2%

regional employment



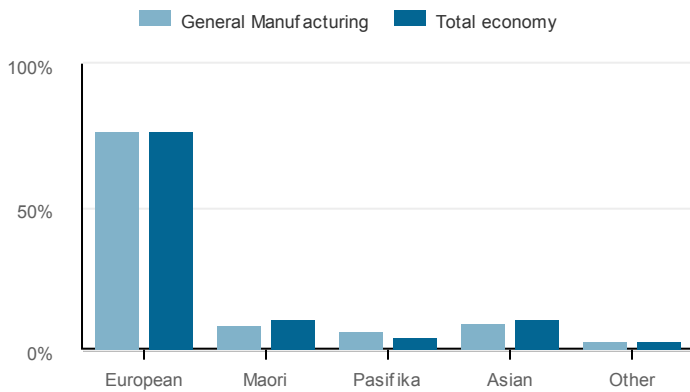
occupational employment

Jobs in top 5 occupations	2004	2014	Change
Labourers nec	2,648	2,055	-593
Chief Executive or Managing Director	1,962	1,933	-29
Sheetmetal Trades Worker	2,228	1,911	-316
Welder	1,652	1,811	159
Sales Representatives nec	1,632	1,634	1

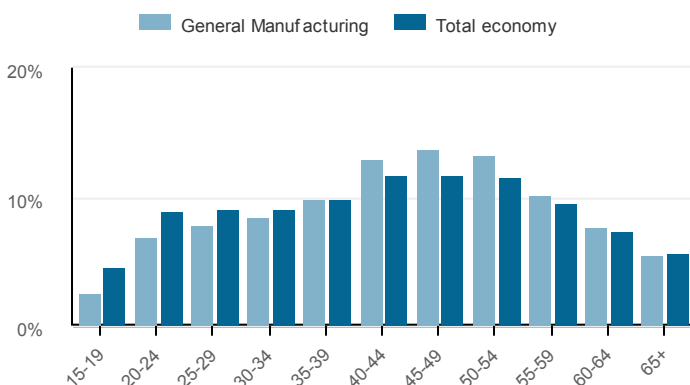
demographics of employees

87% General Manufacturing | **76%** Total economy | in **2013**

ETHNICITY



EMPLOYMENT BY AGE



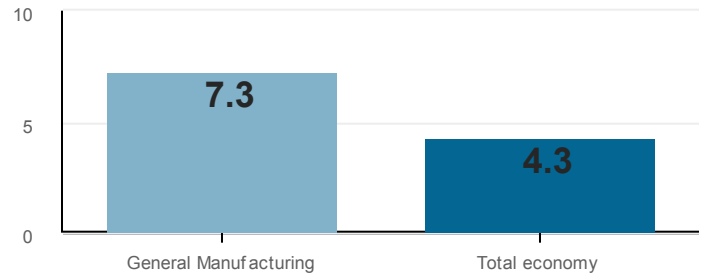
economic contribution

\$5,859m GDP | **2.8%** of NZ GDP | in **2014**

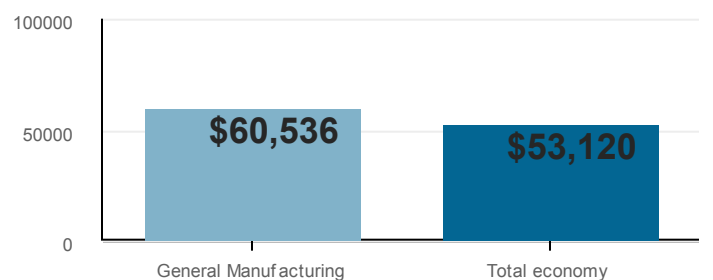
business units

7,443 business units | **1.4%** of NZ | in **2014**

AVERAGE EMPLOYEES PER BUSINESS UNIT

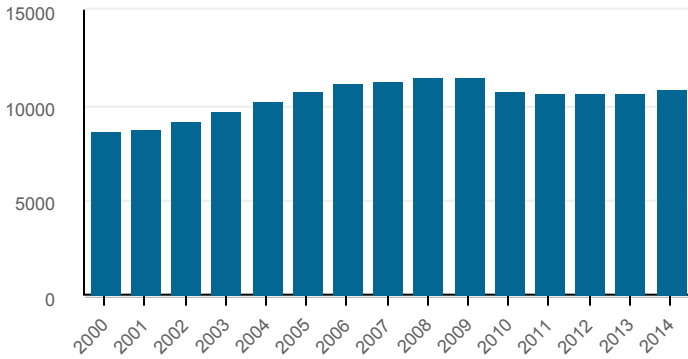


average earnings 2013



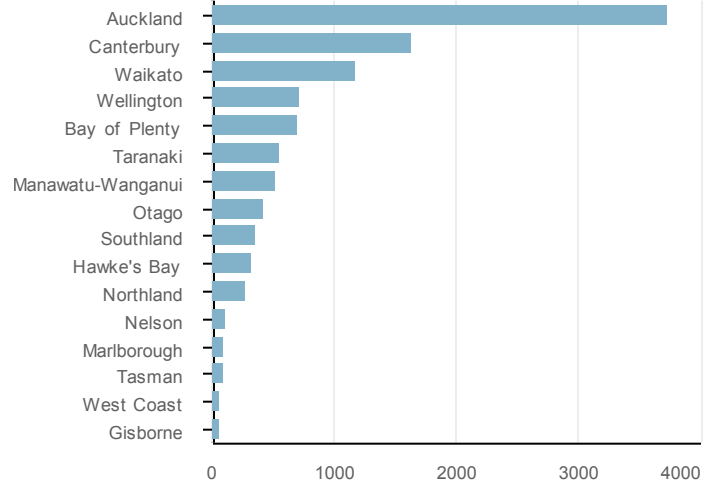
total employment

10,893 filled jobs | **0.5%** of NZ jobs | in **2014**



	Filled jobs		Change p.a.
	2004	2014	
Engineering Fabrication	10,236	10,893	0.6%
Total economy	1,976,648	2,229,679	1.2%

regional employment



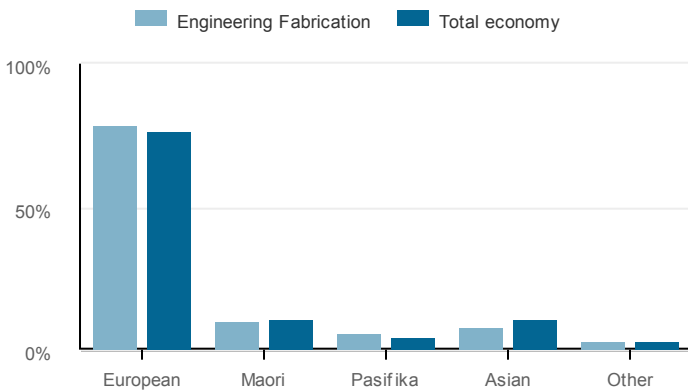
occupational employment

Jobs in top 5 occupations	2004	2014	Change
Welder	3,366	3,795	429
Sheetmetal Trades Worker	3,890	3,779	-111
Metal Fabricator	2,669	3,119	450
Metal Polisher	308	201	-107
Pressure Welder	4	0	-4

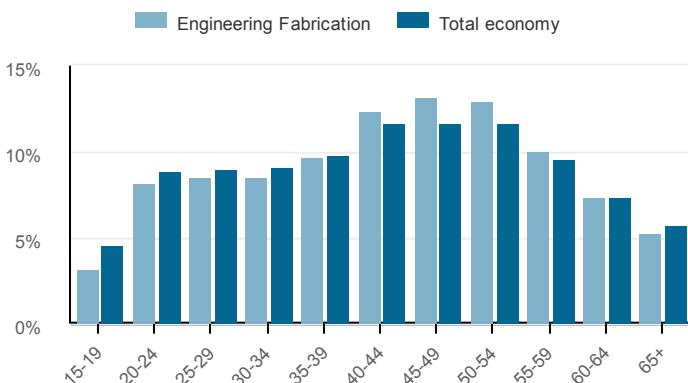
demographics of employees

88% Engineering Fabrication | **76%** Total economy | in **2013**

ETHNICITY



EMPLOYMENT BY AGE



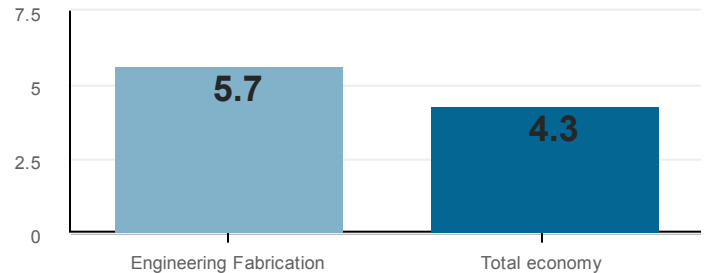
economic contribution

\$988m GDP | **0.5%** of NZ GDP | in **2014**

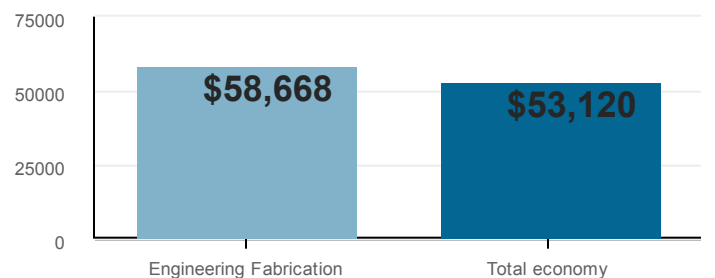
business units

1,906 business units | **0.4%** of NZ | in **2014**

AVERAGE EMPLOYEES PER BUSINESS UNIT

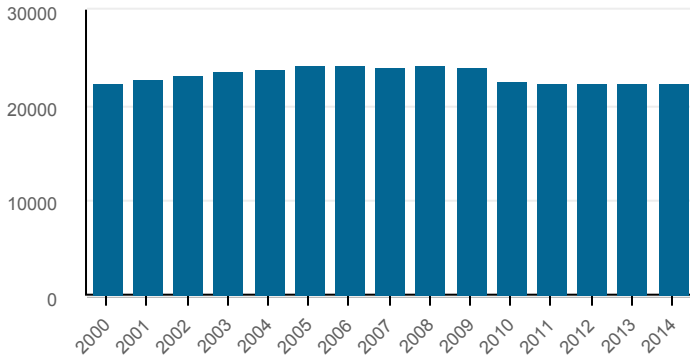


average earnings 2013



total employment

22,466 filled jobs | **1.0%** of NZ jobs | in **2014**

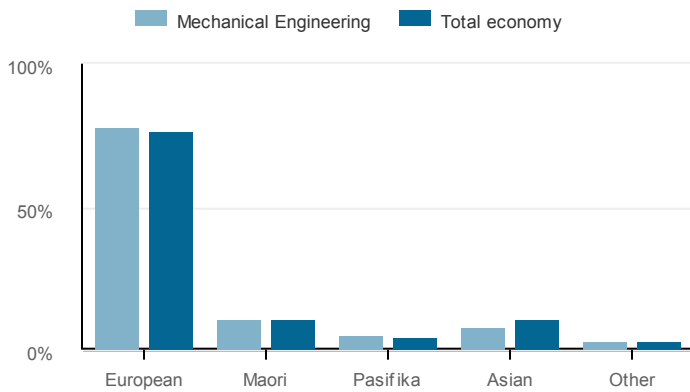


	Filled jobs		Change p.a.
	2004	2014	
Mechanical Engineering	23,940	22,466	-0.6%
Total economy	1,976,648	2,229,679	1.2%

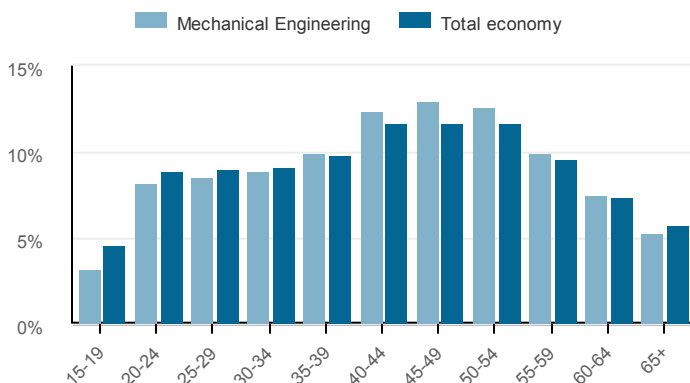
demographics of employees

87% Mechanical Engineering | **76%** Total economy | in **2013**

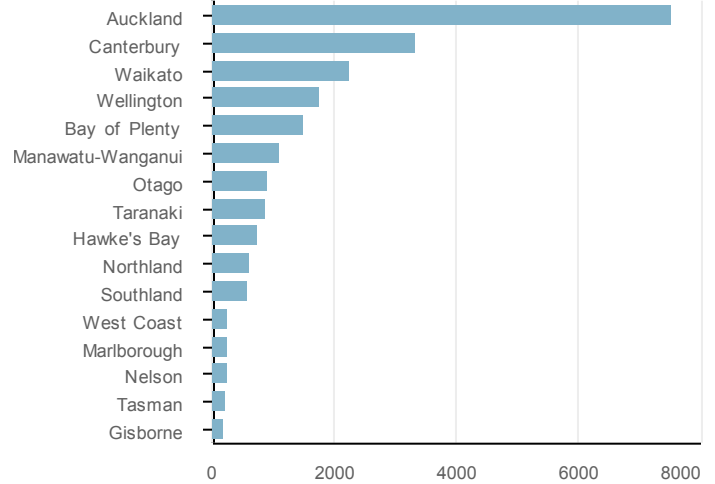
ETHNICITY



EMPLOYMENT BY AGE



regional employment



occupational employment

Jobs in top 5 occupations	2004	2014	Change
Fitter (General)	7,816	7,568	-249
Mechanical Engineer	3,527	4,479	953
Fitter-Welder	3,675	2,594	-1,081
Fitter and Turner	2,650	1,862	-789
Mechanical Engineering Technician	1,317	1,615	299

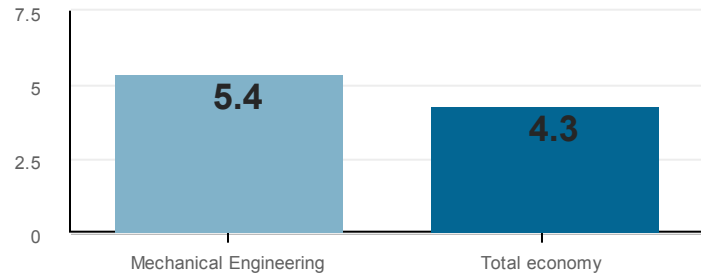
economic contribution

\$2,390m GDP | **1.1%** of NZ GDP | in **2014**

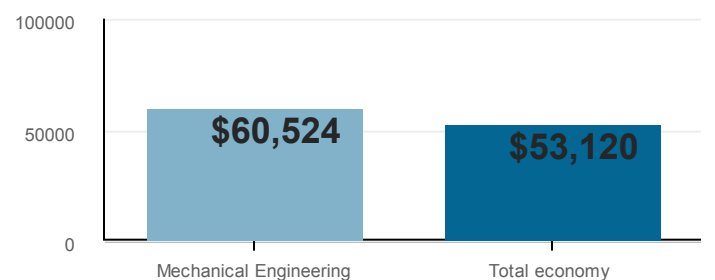
business units

4,137 business units | **0.8%** of NZ | in **2014**

AVERAGE EMPLOYEES PER BUSINESS UNIT



average earnings 2013



NOTE – UNLESS OTHERWISE STATED, 2015 DATA IS USED

Sectors for *Got a Trade? Got it Made!*

Competenz Sectors

Mechanical Engineering

- 1) There were 23,100 filled jobs in the Mechanical Engineering sector in 2015. Employment in the sector grew by 580 (2.6%) between 2014 and 2015, slightly faster than overall employment growth on 2.4%.
- 2) Auckland (7,700 jobs), Canterbury (3,540 jobs), Waikato (2,300 jobs) and the Wellington (1,800 jobs) region account for two-thirds of employment in the sector.
- 3) The Fitter (General) occupation accounts for a third of employment in the sector with just under 7,800 jobs. Other large occupations in the sector include Mechanical Engineer (4,700 jobs) and Fitter-Welder (2,700 jobs).
- 4) 5,400 new people are needed in the sector by 2020 to meet employment growth and replacement demand.
- 5) Looking out to 2020, an average of 338 people are needed to fill Fitter (General) jobs each year due to employment growth and replacement demand. For other key occupations the annual number of people required are: Mechanical Engineer = 262 new people per annum and Fitter-Welder = 142 new people per annum.
- 6) Annual average earnings in the Mechanical Engineering sector were \$64,000 in 2015, \$8,000 higher than annual average earnings in New Zealand (\$56,000).
- 7) The Mechanical Engineering sector contributed \$2.4 billion to New Zealand's GDP in 2015. This equates to 1.1% of total GDP in New Zealand.
- 8) Asian workers make up 8% of the Mechanical Engineering sector workforce, compared to 11% of the total New Zealand workforce (2013 data). With the Asian population forecast to have strong population growth over the coming decades, particularly in Auckland, there is scope to increase the proportion of Asian people employed in the sector (2013 data).
- 9) The majority of people in the sector work full-time (80%). On average, people work 44 hours a week in the sector.
- 10) Women make up only 3% of mechanical engineering sector workers. This suggests that there are avenues for the sector to increase the proportion of women employed in the sector over the coming years.
- 11) Around 20% of Mechanical Engineering sector workers have a Level 4 certificate qualification. There are a range of low-skilled to high-skilled jobs in the sector, meaning that there are opportunities for young people to enter the sector in a lower skilled occupation and undertake training to move into higher skilled occupations.

Manufacturing

- 1) There were 226,300 filled jobs in the Manufacturing sector in 2015. An additional 4,800 jobs were created in the sector between 2014 and 2015.
- 2) Manufacturing employment is largely concentrated in Auckland (77,300 jobs), Canterbury (35,800 jobs) and the Waikato (22,100 jobs).
- 3) Labourer is the largest occupation in the Manufacturing sector with 12,500 jobs. Other large occupations in the sector include Chief Executive/Managing Director (5,800 jobs) and Manufacturing Production Manager (5,100 jobs).
- 4) 40,000 new people are needed in the sector by 2020 to meet employment growth and replacement demand.
- 5) Looking out to 2020, an average of 478 people are needed to fill Labourer jobs each year due to employment growth and replacement demand. For other key occupations the annual number of people required are: Meat Processing Worker = 314 new people per annum and Sales Assistant (General) = 237 new people per annum.
- 6) Annual average earnings in the Manufacturing sector were \$60,300 in 2015, \$4,300 higher than average New Zealand earnings (\$56,000).
- 7) The Manufacturing sector contributed \$22.4 billion to New Zealand's GDP in 2015. This equates to 10% of overall New Zealand GDP.
- 8) Maori and Pasifika workers account for 22% of employment in the Manufacturing sector. In the total economy, Maori and Pasifika workers account for 16% of the economy. This indicates that there are a range of opportunities for young Maori and Pasifika to gain employment in the sector (2013 data).
- 9) Women make up 30% of manufacturing sector workers. This suggests that there are avenues for the sector to increase the proportion of women employed in the sector over the coming years.
- 10) Jobs in the Manufacturing sector range from low-skilled right through to high skilled jobs. This indicates that it is possible for young people to enter the sector in lower skilled occupations and upskill over time through training into more high skilled jobs.

Engineering Fabrication

- 1) There were 11,255 filled jobs in the Engineering Fabrication sector in 2015. An additional 350 jobs were created in the sector between 2014 and 2015.
- 2) Engineering Fabrication employment is largely concentrated in Auckland (3,680 jobs), Canterbury (1,730 jobs) and the Waikato (1,240 jobs).
- 3) Welders (3,925 jobs) and Sheetmetal Trades Workers (3,900 jobs) each accounted for a third of all employment in the sector. Metal Fabricator is the other large occupation in the sector with 3,200 jobs.
- 4) 2,500 new people are needed in the sector by 2020 to meet employment growth and replacement demand.
- 5) Looking out to 2020, an average of 210 people are needed to fill Sheetmetal Trades Workers jobs each year due to employment growth and replacement demand. For other key occupations the annual number of people required are: Welder = 187 new people per annum and Metal Fabricator = 131 new people per annum.

- 6) Annual average earnings in the Engineering Fabrication sector were \$61,600 in 2015, \$5,600 higher than average New Zealand earnings (\$56,000).
- 7) Asian workers make up 8% of the Engineering Fabrication sector workforce, compared to 11% of the total New Zealand workforce. With the Asian population forecast to have strong population growth over the coming decades, particularly in Auckland, there is scope to increase the proportion of Asian people employed in the sector (2013 data).
- 8) 80% of workers in the sector work full-time. On average, people work 45 hours a week in the sector (2013 data).
- 9) Only 1% of employees are female in the Engineering Fabrication sector, meaning there are avenues for the sector to increase the proportion of women employed in the sector over the coming years.
- 10) Level 4 qualifications are the most common qualifications for workers in the Engineering Fabrication sector. These qualifications typically gained in the workplace, meaning you can earn while you learn on the jobs (2013 data).