



APPRENTICE AND TRAINEE CENTRE

WORKFORCE DEVELOPMENT

Careers in Manufacturing



4X4 ACCESSORIES



LIEBHERR



**APPRENTICE AND
TRAINEE CENTRE**

WORKFORCE DEVELOPMENT

- We place apprentices and trainees with host organisations across all states and territories.
- We are a proud partner to more than 200 host organisations including some top Australian household names.

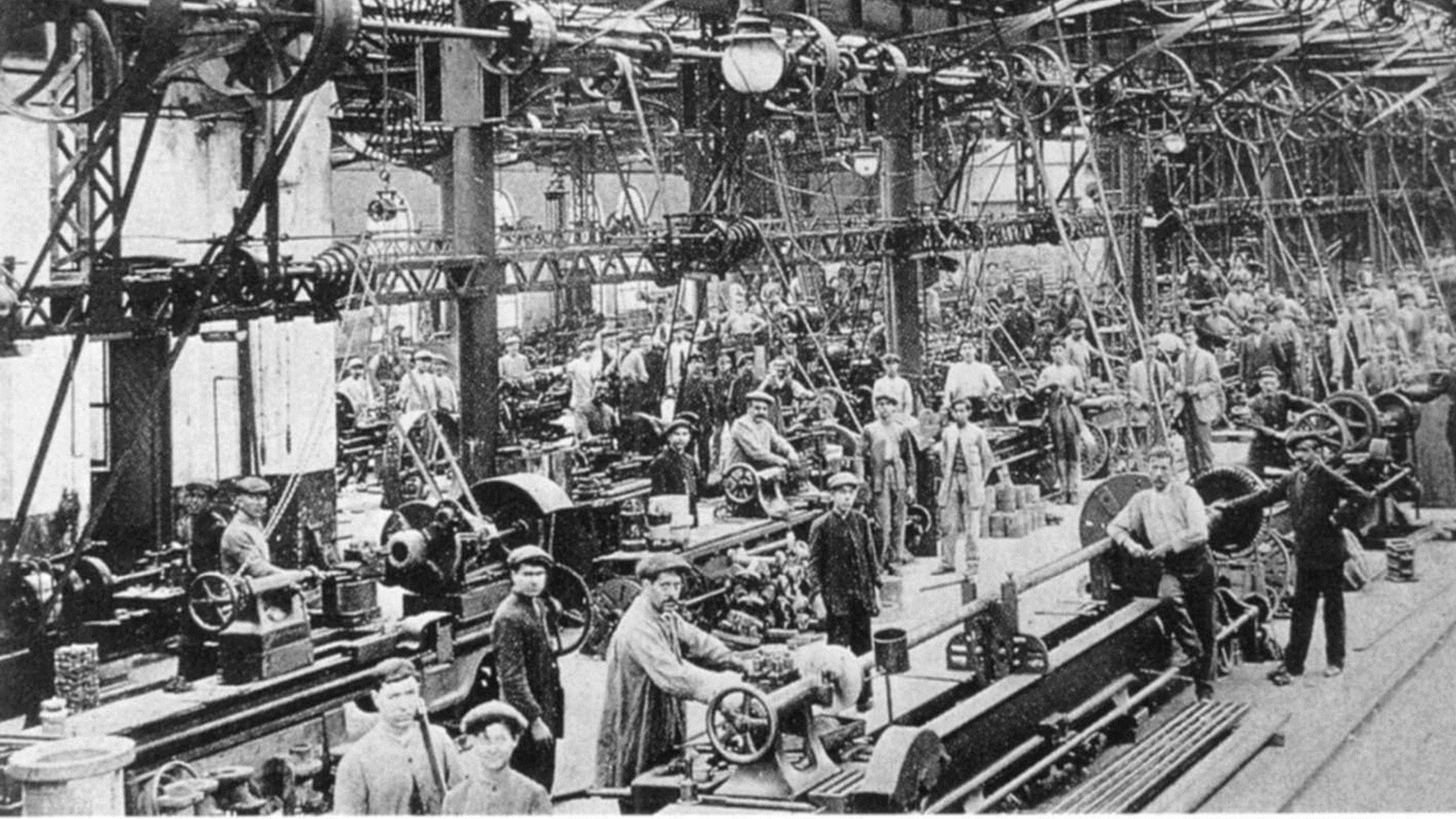
Apprenticeships in Engineering and Manufacturing?



- Maintenance Fitter
- Electronics / Mechatronics
- Welders / Welding (Boiler Maker)
- Sheet metal
- Process Manufacturing
- Refrigeration Mechanic
- Fitter & Turner
- Fitter Machinist
- Warehousing and Logistics
- Electrical (Industrial)
- Cabinet Making (manufacturing)



Who wants to work in Manufacturing?





Then



Now



Changing ways to learn

Where are we currently at in Manufacturing?

Perception that Manufacturing is doomed in Australia

E.g: Car Industry (Assembly line closures)

However:

Increases in Food services and localised manufacturing

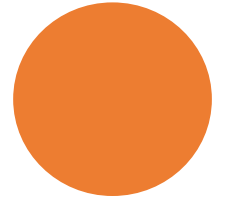
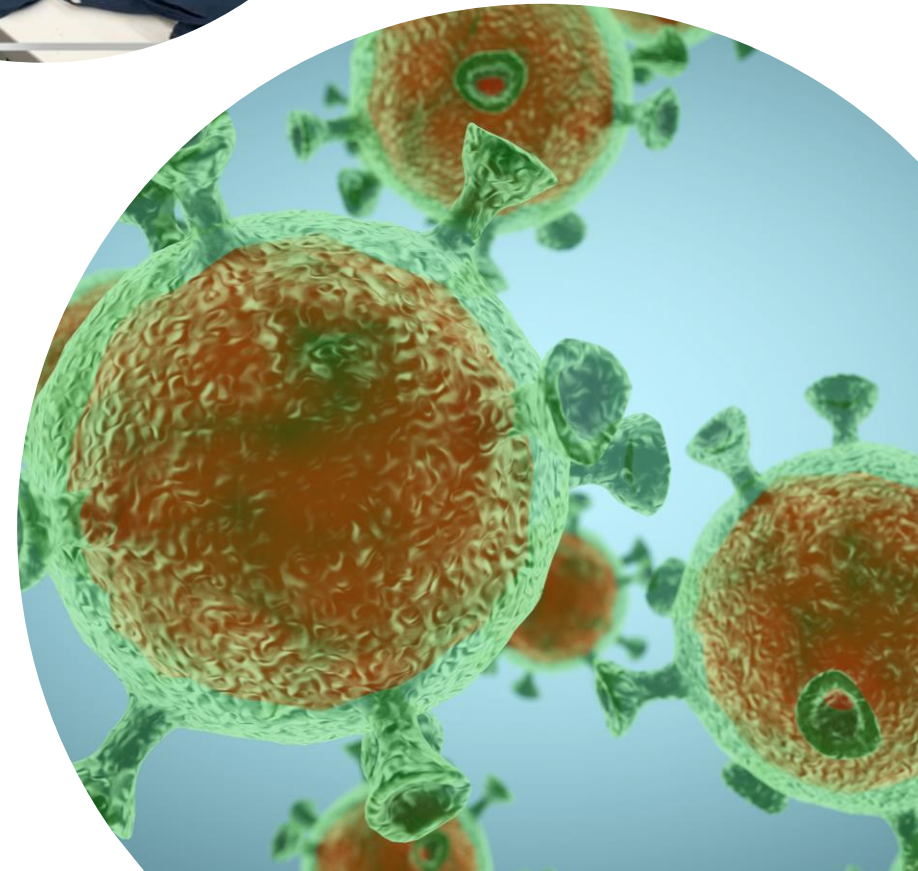
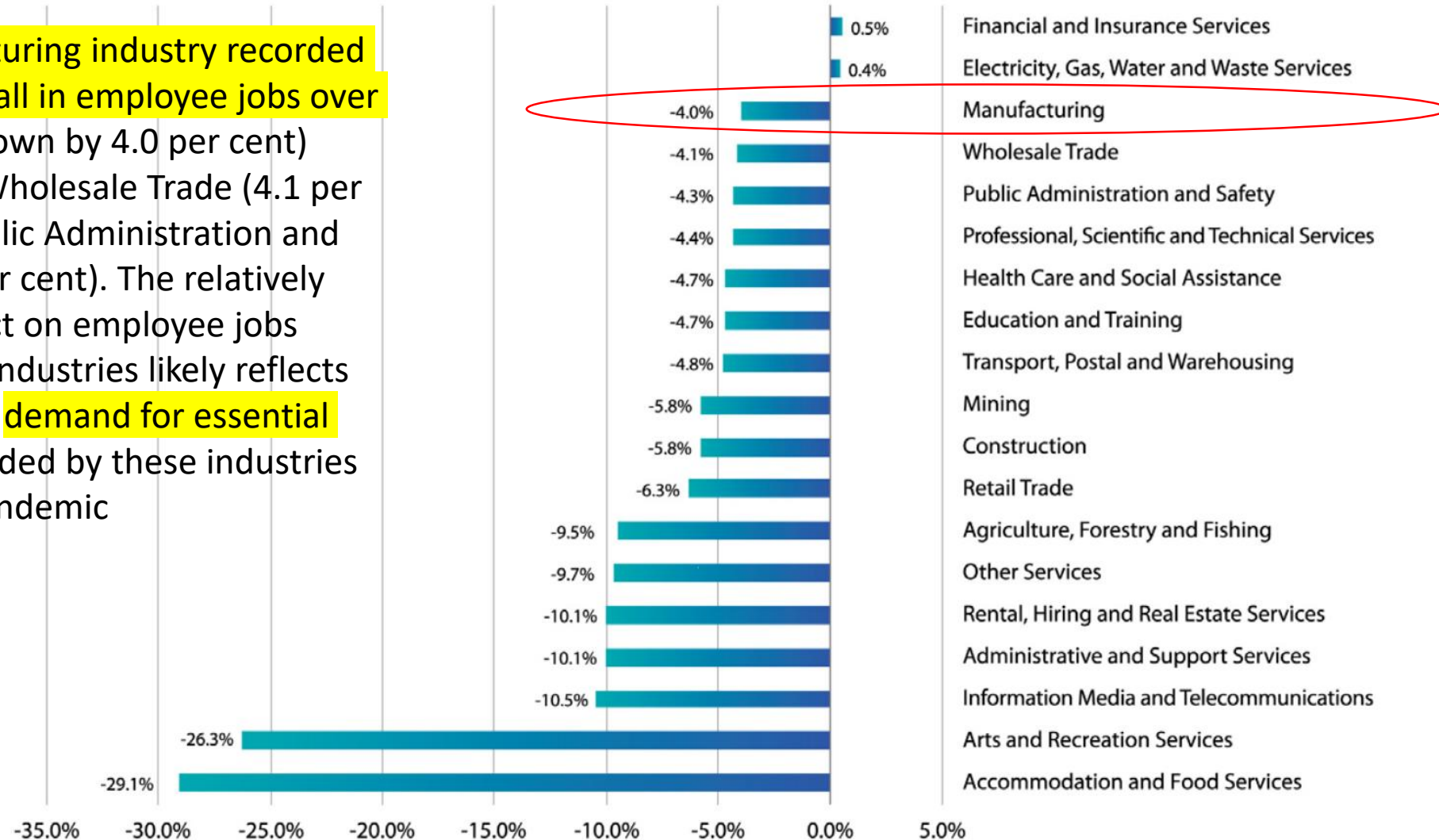


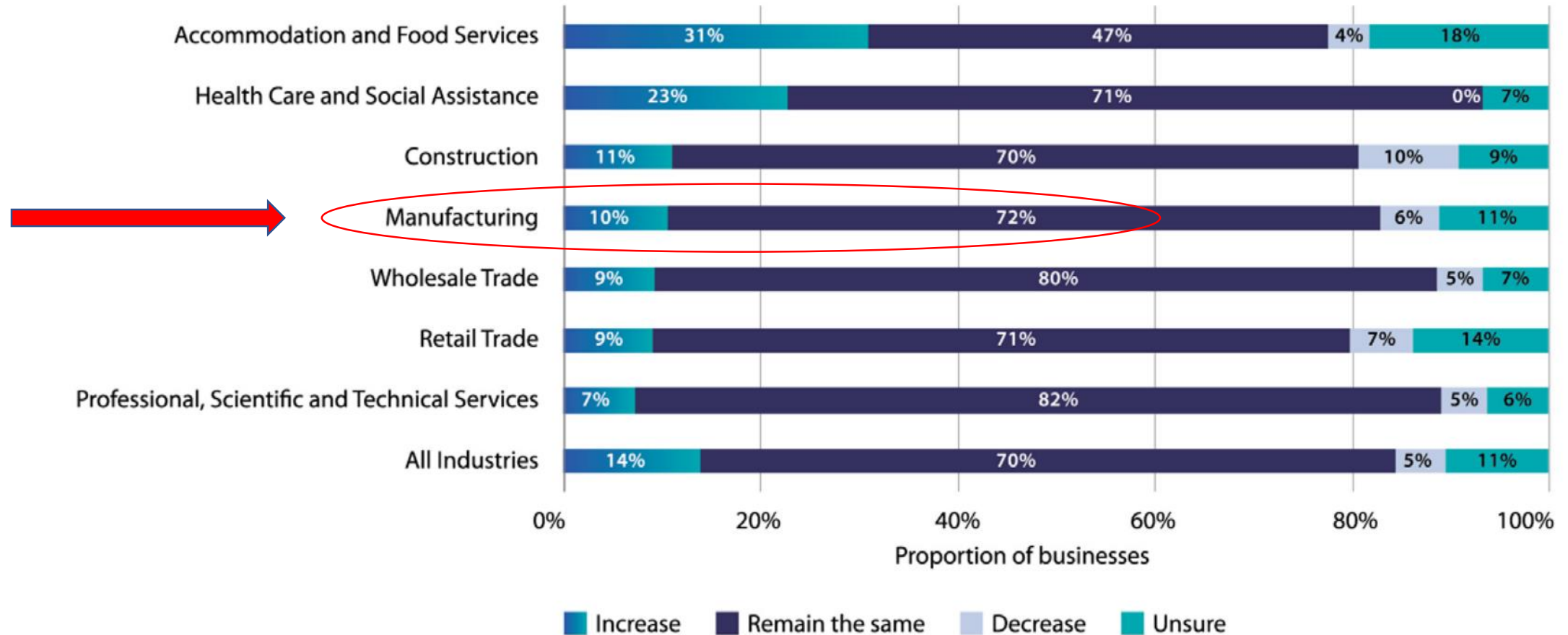
Chart 1: Percentage change in employee jobs between 14 March and 30 May 2020

The Manufacturing industry recorded the smallest fall in employee jobs over the period (down by 4.0 per cent) followed by Wholesale Trade (4.1 per cent) and Public Administration and Safety (4.3 per cent). The relatively smaller impact on employee jobs within these industries likely reflects the sustained demand for essential services provided by these industries during the pandemic



Source: ABS, Weekly Payroll Jobs and Wages in Australia, Cat. No. 6160.0.55.001, week ending 30 May 2020

Staffing expectations in the coming months, selected industries



Source: NSC, *Impacts of COVID-19 on Businesses survey*, businesses surveyed in the four weeks to 22 May 2020



New Careers in
Manufacturing

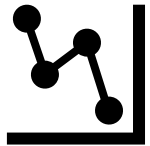
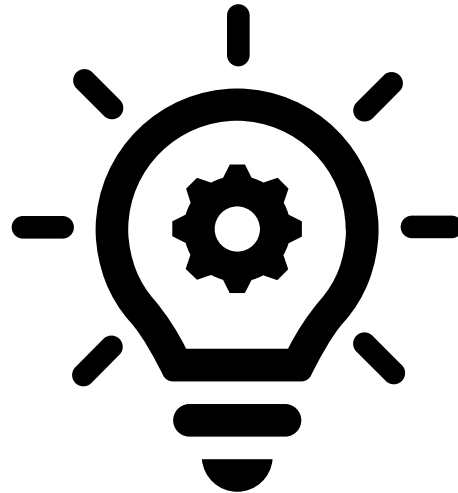
Investigating new jobs in manufacturing.



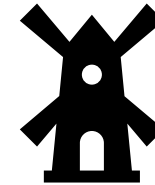
Green building materials (plastics, chemicals, cement, steel) for construction and infrastructure



Artificial production of protein and food products to replace inefficient livestock farming.



Software-based energy monitoring and planning systems to reduce overall energy consumption.



Enhanced waste recovery systems (e.g. steam from heat used to power steam turbines).



Supercapacitors and efficient batteries for hybrid and electric Vehicles. (Australia holds most of the worlds lithium in raw form)



Waste material from metal product manufacturing processed into feedstock for 3D printing.

Where are we seeing skills shortages?



Source: Department of Jobs and Small Business 2019

Higher Apprenticeships



- Traineeship Contract of training, recognised by State Training Authorities
- Pay rates reflected in the Manufacturing Award.
- Nationally recognised
- Articulation to higher level qualifications like Associate Degree of Applied Technilgies



Apprenticeship – Trade

Cost to do: Nil

Time frame: 3-4 years

Rewards:

- Paid throughout \$\$\$
- Training fees paid for
- Skills gained.
- Opportunity to start your own business. +more

Higher Apprenticeships

Cost to do: Nil

Time Frame: 3-4 Years

Rewards:

- Best of both pathways
- Hands-on skills training provided in workplaces
- Higher level of training off the job
- More relevant training for future industry needs
- Focus on applied technologies.

University

Cost to Do: \$20-\$50,000

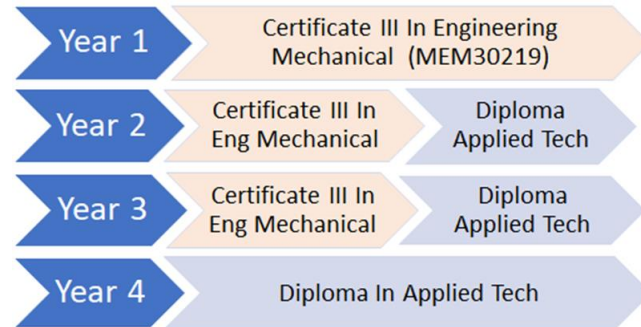
Time frame: 3-4 years

Rewards:

Degree
Extensive knowledge of certain subjects
Potential opportunity for Higher paying roles.

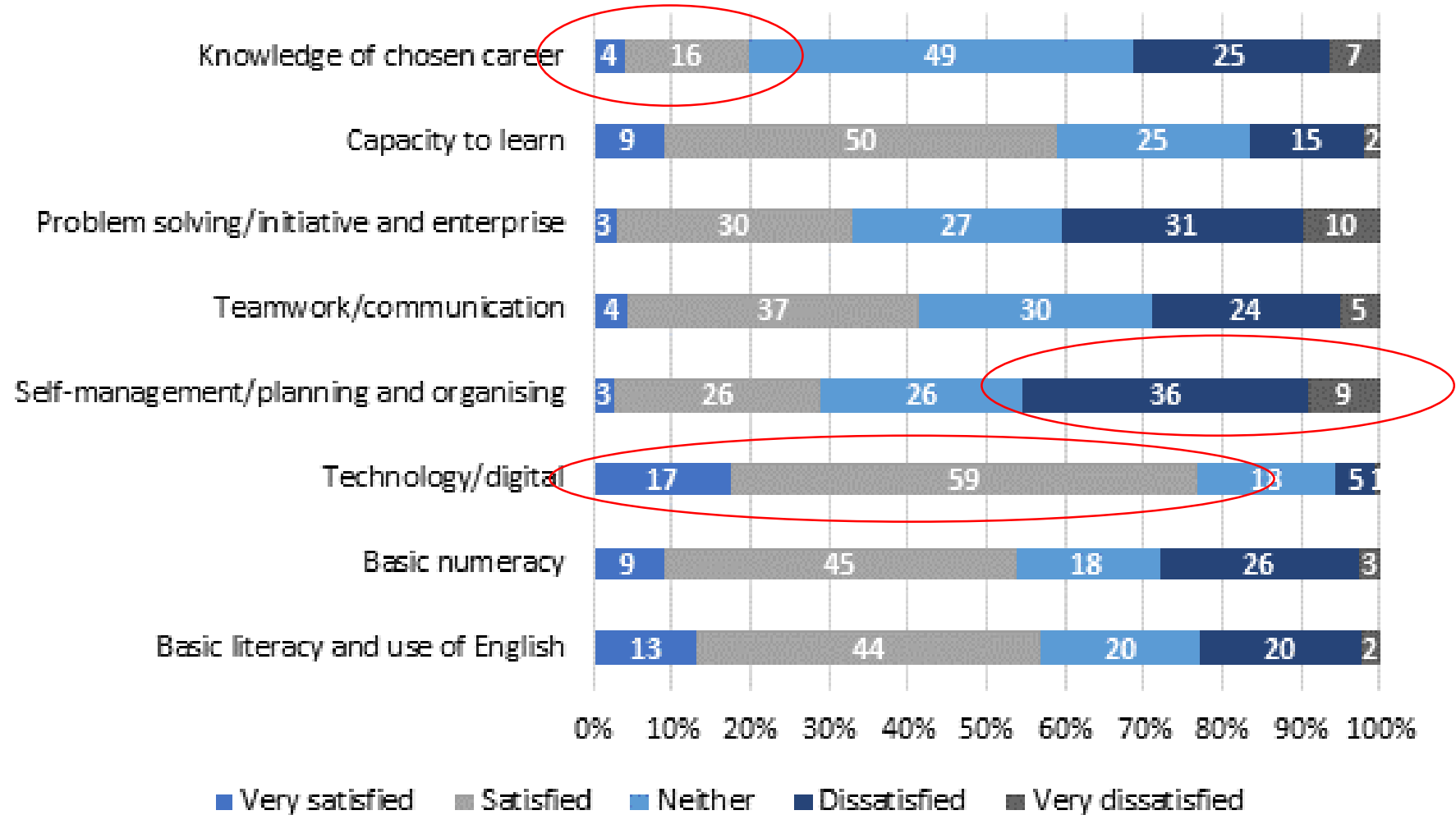


Case Study



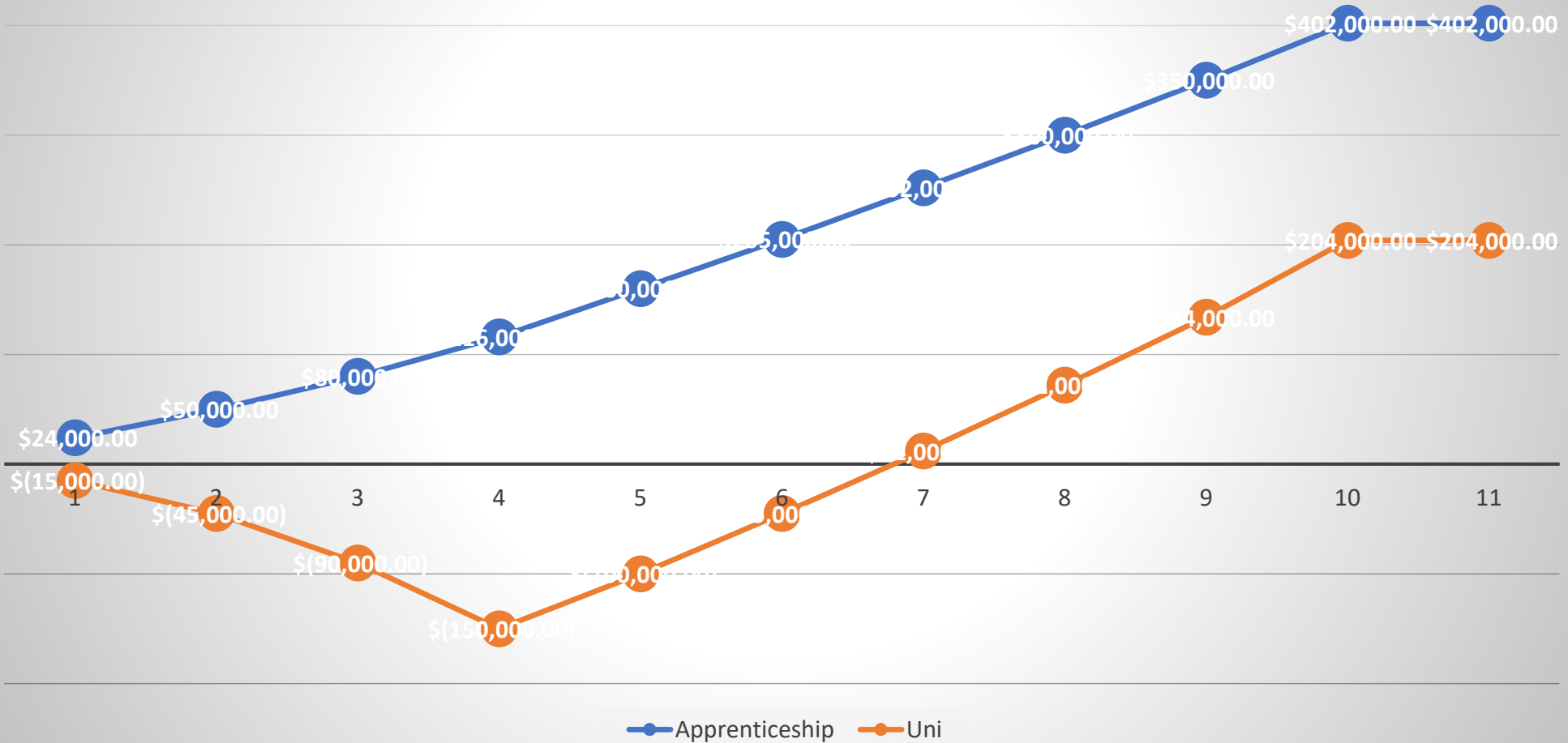
- Host: Ecotech
- Apprentice: Werner Kurth
- Commenced: January 2020

Employer satisfaction with school leaver applicants



Source: Ai Group, *Skilling: A National Imperative*, Workforce Development Needs Survey, 2018

wage comparison



\$24,000	\$26,000	\$30,000	\$ 36,000	\$ 44,000	\$ 45,000	\$ 47,000	\$ 48,000	\$ 50,000	\$ 52,000		\$402,000
-\$15,000	-\$30,000	-\$45,000	-\$ 60,000	\$ 50,000	\$ 55,000	\$ 57,000	\$ 60,000	\$ 62,000	\$ 70,000		\$204,000

Ai Group Apprentice & Trainee Centre

YOUR PARTNER IN PRODUCTIVITY

[Current Vacancies](#)



Looking to Build an Apprenticeship or Traineeship Career?