

A white bus is driving through a tunnel with orange, curved walls. The bus is viewed from a front-quarter perspective. Overlaid on the bus is the text 'C21' in large white letters, with 'MOVING PEOPLE' in smaller white letters below it.

**C21**  
MOVING PEOPLE

# THE INDUSTRIAL AND SOCIAL IMPACTS OF AUTONOMOUS VEHICLES



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Deep long term policy discussion

V's

Shallow short term issues fix

# FEDERAL GOVERNMENT INQUIRIES



- Future work and workers - September 2018
- Social issues related to land based automated vehicles in Australia – June 2018

# HOW IS WORK CHANGING?

- 5 generations working for the first time
- 4 out of 5 Australians employed in the service sector generating 70% of GDP
- Technological changes has changed what we do for work
- Agriculture was 25% of the workforce at the start of the 20th century – 3% today

# HOW IS WORK CHANGING?

## EMPLOYMENT GROWTH IN THE NEXT 5 YEARS

- 25.1% Health care and social assistance
- 12.7% Professional and technical services
- 12.3% Construction
- 11.6% Education and training
- 4.0% Transport, postal and warehousing

# HOW IS WORK CHANGING?

- Life expectancy if born today 93.6 for woman 91.5 for men
- Ageing population but healthier and more active
- Over 65 years 4 more times more likely for health claims
- 25% increase in health care and social assistance jobs
- Working longer = assistance to transition to new jobs and training for new jobs

# HOW IS WORK CHANGING?

- Gender equality and more women in work
- Millennials = vulnerable, overeducated, transitional, unstable
- Rural and regional job decline
- Increase in non standard work and flexible work hours

# TECHNOLOGY AND WORK

- Automation anxiety – end of the world
- More jobs than jobs at risk
- Changing how not where people work
- Augmenting the work of humans
- Opportunities for new jobs



# WORKFORCE DEVELOPMENT STRATEGY AND TECHNOLOGY



- 'Put fences at the top of the cliff not ambulances at the bottom'
- Helping people after they have lost there job or workforce transition?

# POINTS SPECIFIC TO THE BUS INDUSTRY AND AUTONOMOUS VEHICLES



- Driver or supervisor – changing how not where we work
- Transitioning to new roles not jobs
- Public transport buses and dedicated priority and infrastructure
- Standardised road infrastructure and signage
- Autonomous public transport bus trials
- Autonomy and accessibility