
 This image cannot currently be displayed.

# THE IMPERATIVE FOR CHANGE

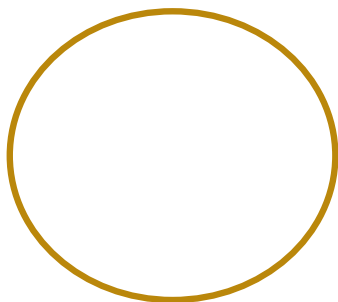
✖ This image cannot currently be displayed.

- ✓ To drive excellence not dependence
- ✓ To create an economy that ensures Australia's long-term prosperity
- ✓ To identify economic sectors that act as centrepieces of Australia's gross value add
- ✓ To ensure these sectors lift their global competitiveness and translate innovation into commercial outcomes

 This image cannot currently be displayed.


# SIX INDUSTRY-LED GROWTH CENTRES HAVE BEEN ESTABLISHED TO DRIVE NATIONAL ACTION ON KEY ISSUES

 This image cannot currently be displayed.



**The purpose of AMGC is to work with  
Manufacturing industry to lift its  
competitiveness**

 This image cannot currently be displayed.

 This image cannot currently be displayed.

# THE NATURE OF GLOBAL MANUFACTURING HAS CHANGED AND SO MUST OUR VIEWS AND APPROACH


 This image cannot currently be displayed.

Source: Curve adapted from: 'Interconnected economies benefitting from global value chains', OECD 2013

# HOW AMGC DEMONSTRATES MANUFACTURING IN A NEW WAY

- ✓ START TO THINK ABOUT SOLUTIONS AND LESS ABOUT PRODUCTS
- ✓ CHANGE BUSINESS MODEL PARADIGM FROM B-C TO C-B
- ✓ WORKFORCE TRANSFORMATION TO HUMAN CAPITAL WITH TRANSFERABLE SKILLS

## Technical Leadership: Transportation


 This image cannot currently be displayed.

**Connection into global supply chains:**  
75% of global trade is in intermediate goods

**Quickstep:**  
Carbon fibre fender into German high-performance vehicles

**Collaboration between industry and research with commercial outcomes**

## Servitisation: Social good

 This image cannot currently be displayed.


**Consumer ↔ Business radical transparency of supply chain:** end customer can track entire supply chain

**Water Source:**  
Mobile water purification unit to produce potable water in remote locations with real-time data feedback


**Collaboration between industry and research with commercial outcomes**


# EMERGING TECHNOLOGY AND COLLABORATION IN THE DEFENCE SECTOR


## Dassault Systèmes Virtual Shipyard


 This image cannot currently be displayed.


 This image cannot currently be displayed.

 This image cannot currently be displayed.

 This image cannot currently be displayed.

 This image cannot currently be displayed.


 This image cannot currently be displayed.

 This image cannot currently be displayed.

 This image cannot currently be displayed.


Industry 4.0 maturity program for 16 Australian manufacturing SMEs to meet global value chain capability requirements in order to participate in future naval shipbuilding projects



 This image cannot currently be displayed.

# THERE REMAINS SIGNIFICANT ROOM FOR AUSTRALIAN MANUFACTURERS TO INCREASE THEIR ADOPTION OF ADVANCED CHARACTERISTICS

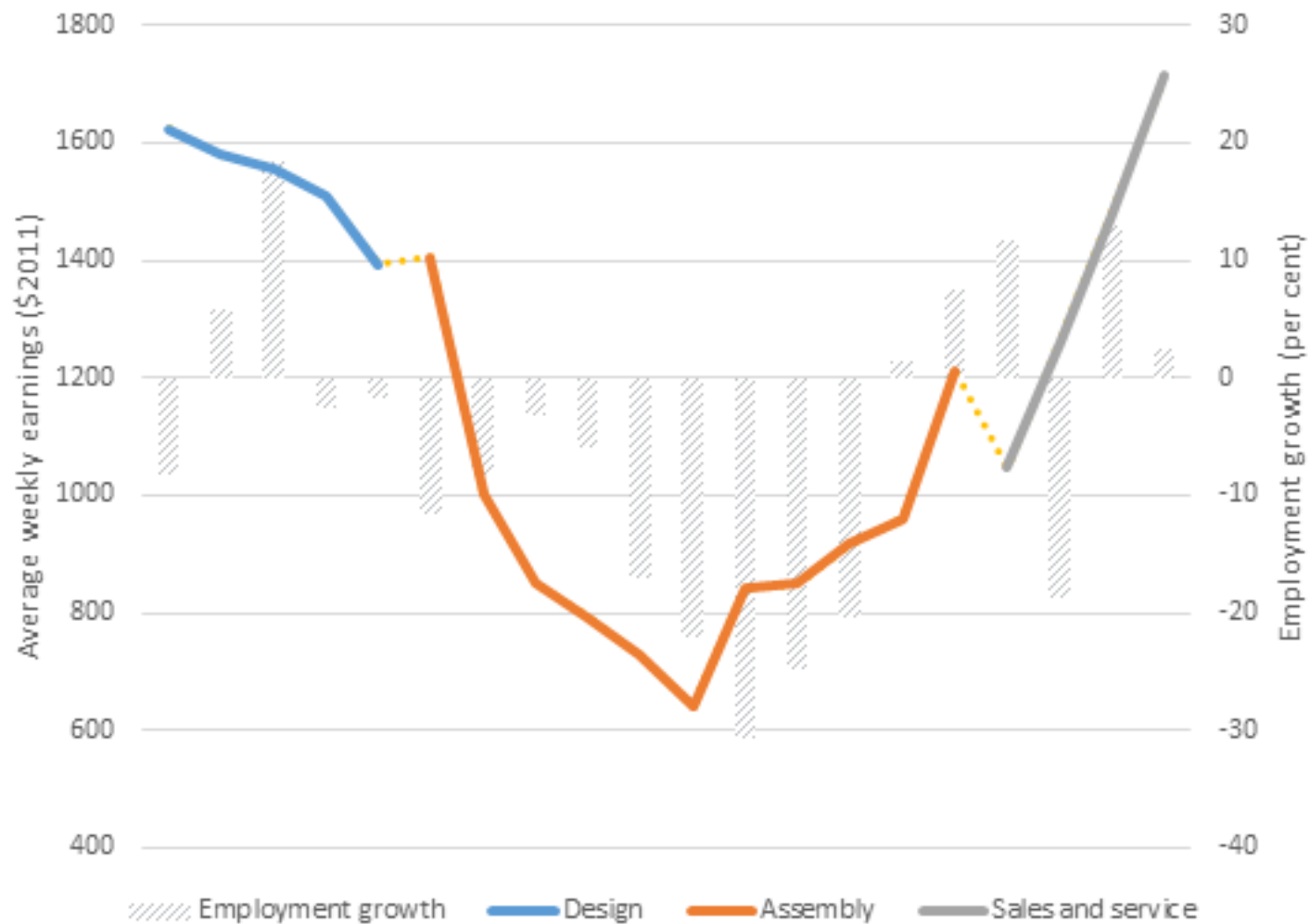
 This image cannot currently be displayed.


 This image cannot currently be displayed.

# NEARLY HALF OF JOBS IN AUSTRALIAN MANUFACTURING ARE OUTSIDE TRADITIONAL PRODUCTION ROLES

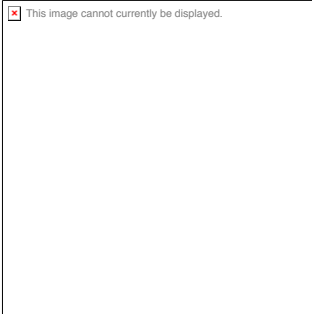
 This image cannot currently be displayed.

# THE OPPORTUNITY FOR SALARY GROWTH AND MAINTAINING HIGH STANDARD OF LIVING WILL BE TOWARD TECHNICAL LEADERSHIP AND SERVITISATION ROLES



 This image cannot currently be displayed.

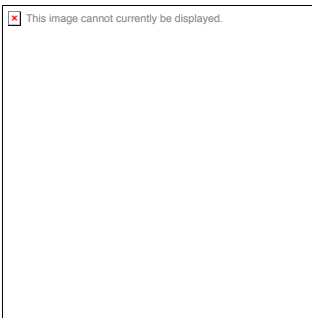
# HOW CAN WE ACCELERATE OUR OPPORTUNITIES?



## Commercialise innovation

Increase the 'conversion rate' between research and industry

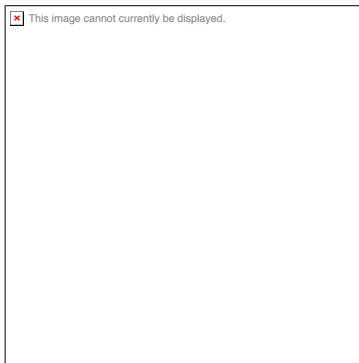
E.g. AMGC reviews 38/72 CRC-Ps, ARC-ITRPs




## Lift skills

Not STEM alone

+ problem solving, communications,  
relationship building



**Build capability within the supply chain** for  
upcoming defence opportunities

 This image cannot currently be displayed.