

Successful Australian uptake of Industry 4.0 Technology Applications and Digital Business Models

Workshop presentation



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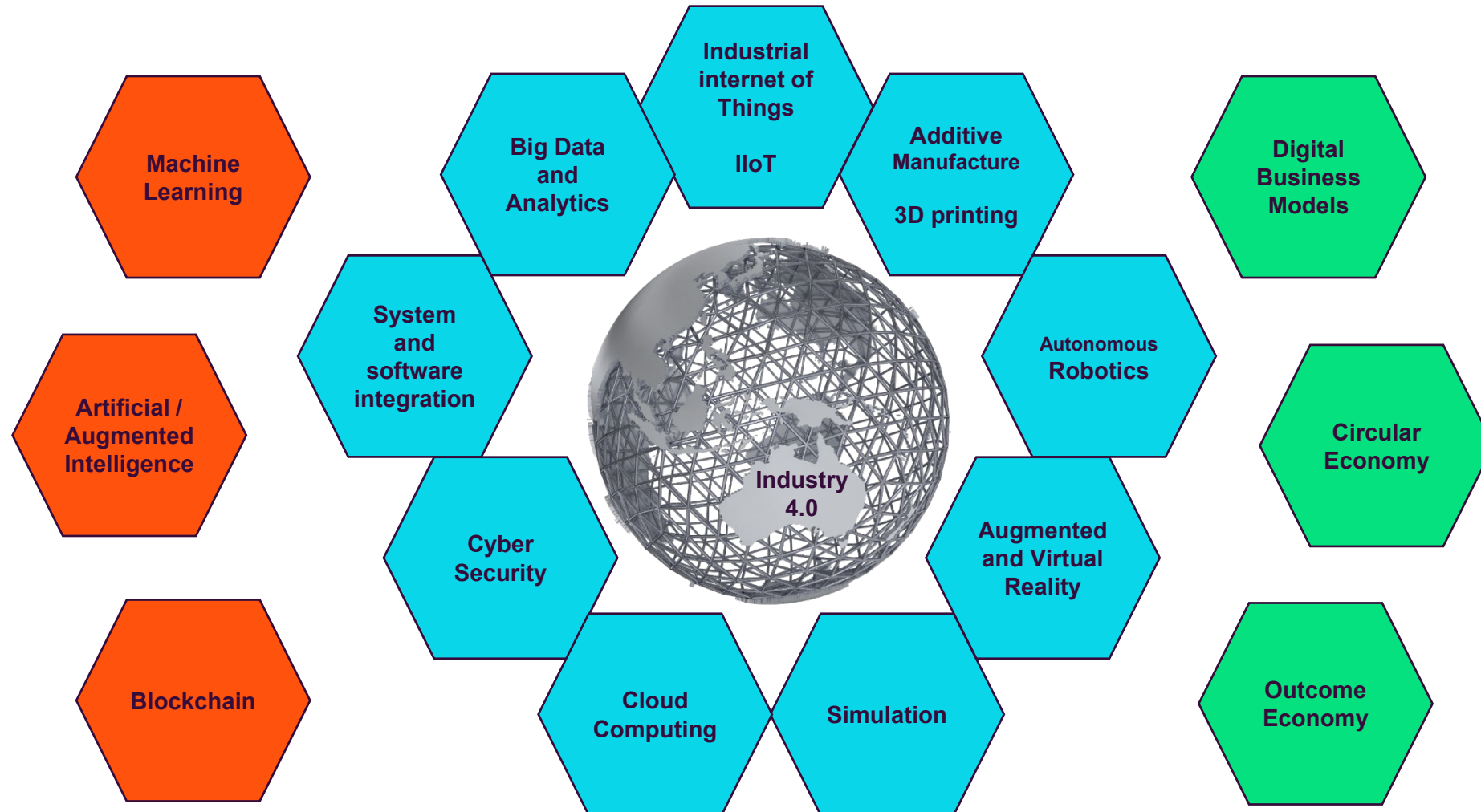
Pace of change is not fast enough



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Industry 4.0 – the journey so far



Platform Industrie 4.0 Working Groups



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Reference
Architectures and
Standards

Work, Education
and Training
Test Labs

Security of
networked systems
(Cybersecurity)

Technology
Application
Scenarios

Legal Framework

Digital business
models



Forum Workstreams and Owners



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Reference Architectures and Standards
Security of networked systems (Cybersecurity)
Legal Framework
pending

Work, Education and Training Test Labs
Technology Application Scenarios
Digital business models

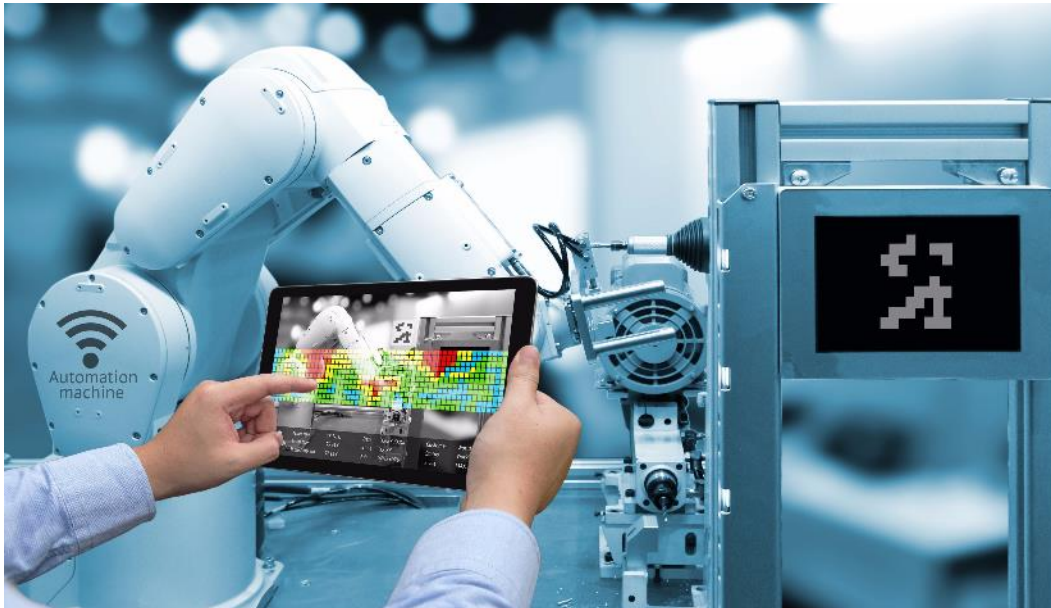


Innovative Manufacturing CRC

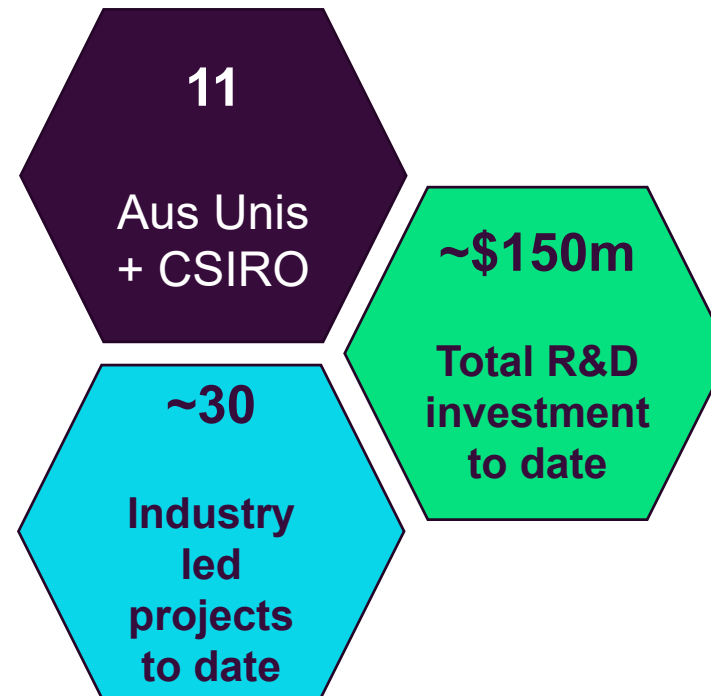
www.imcrc.org



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- Up to \$30million to match industry cash dollar for dollar
- Co-funding for manufacturing R&D with Aus universities and/or CSIRO



imcrc | we champion
manufacturing
innovation

Apply now for Industry 4.0 R&D project funding

Be one of Australia's most innovative manufacturing companies and transform your business through collaborative and co-funded R&D projects with Australian universities and/or CSIRO

**FINAL FUNDING
ROUNDS OPEN**

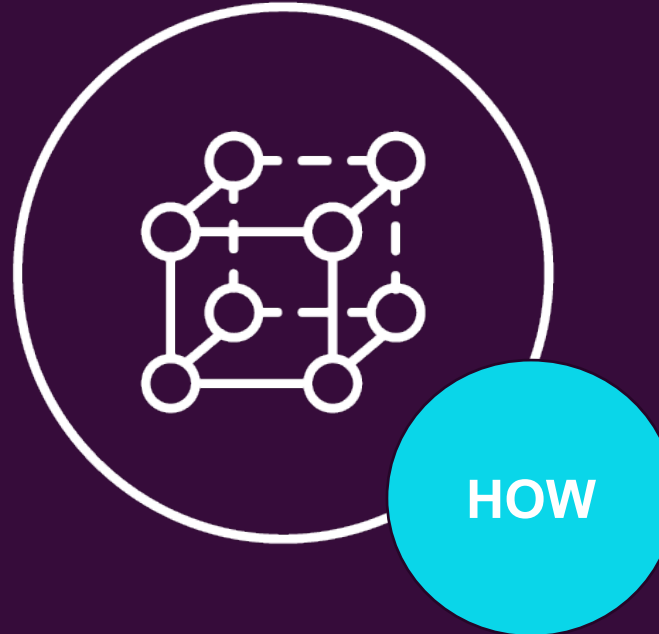
Secure your Industry 4.0 R&D project while funding is available

Industrial Transformation



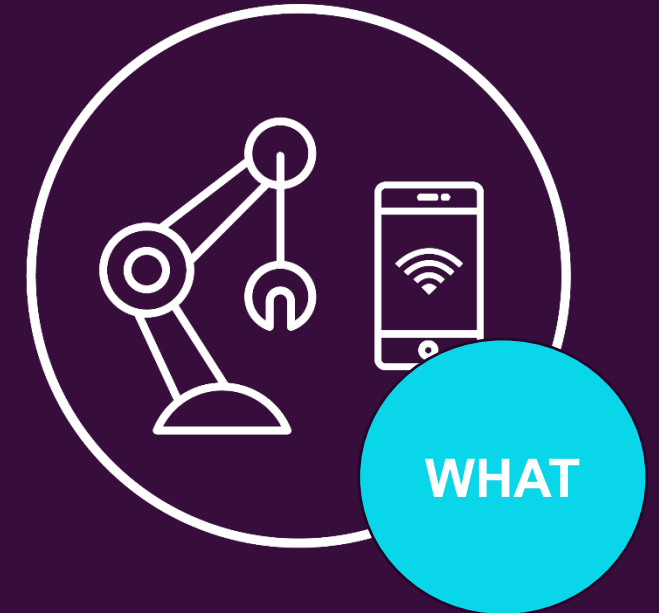
WHY

**MANUFACTURING
LEADERSHIP**



HOW

**BUSINESS MODEL
INNOVATION**



WHAT

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Industry 4.0 value proposition

Value capture – internal



Productivity optimization



Risk mitigation

Value creation – external

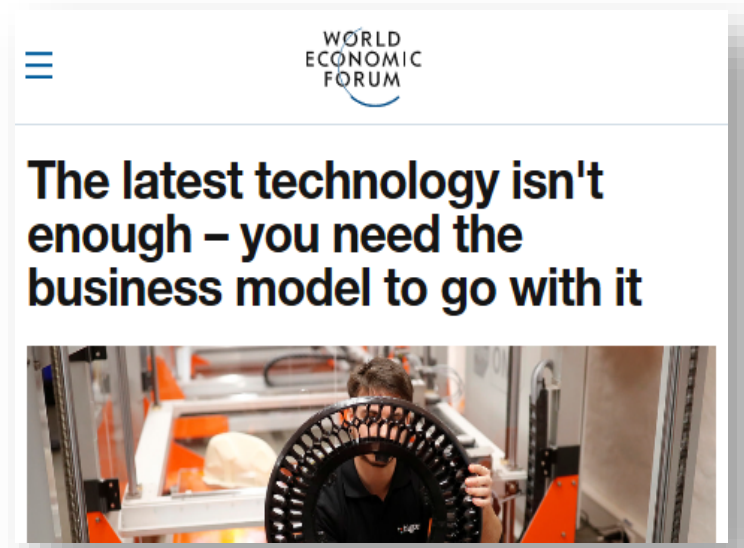
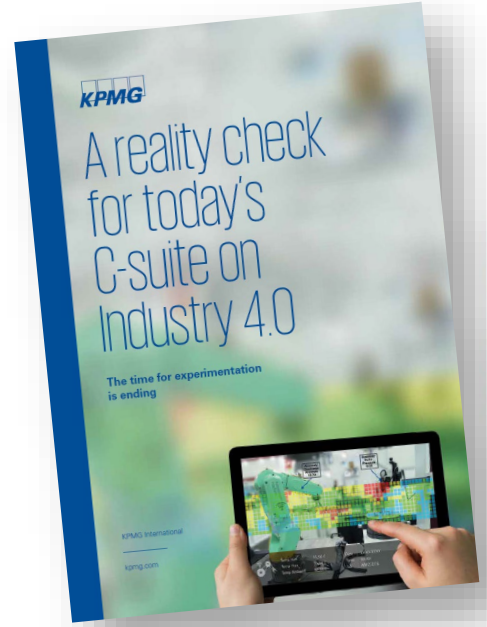


Incremental growth



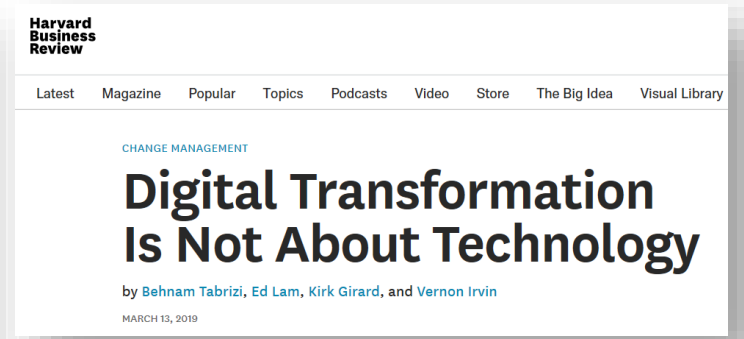
New growth

What they are (now) saying globally



The journey to value starts with one critical question: *Why?*

Focus on value and performance first — not technology

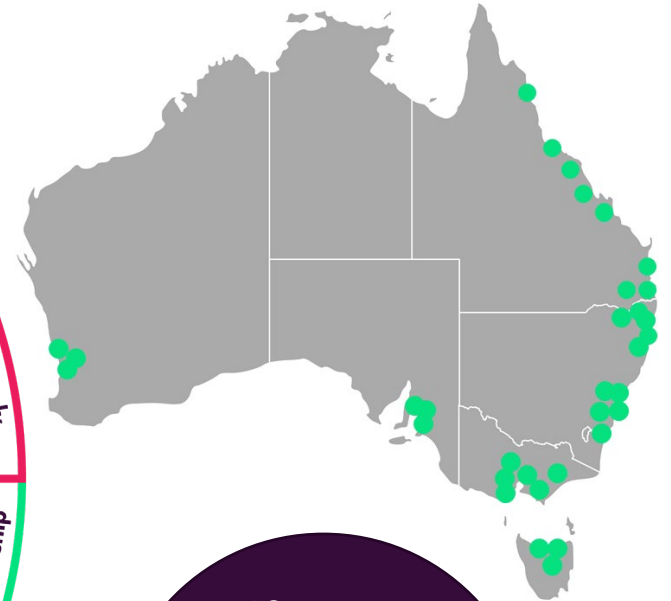
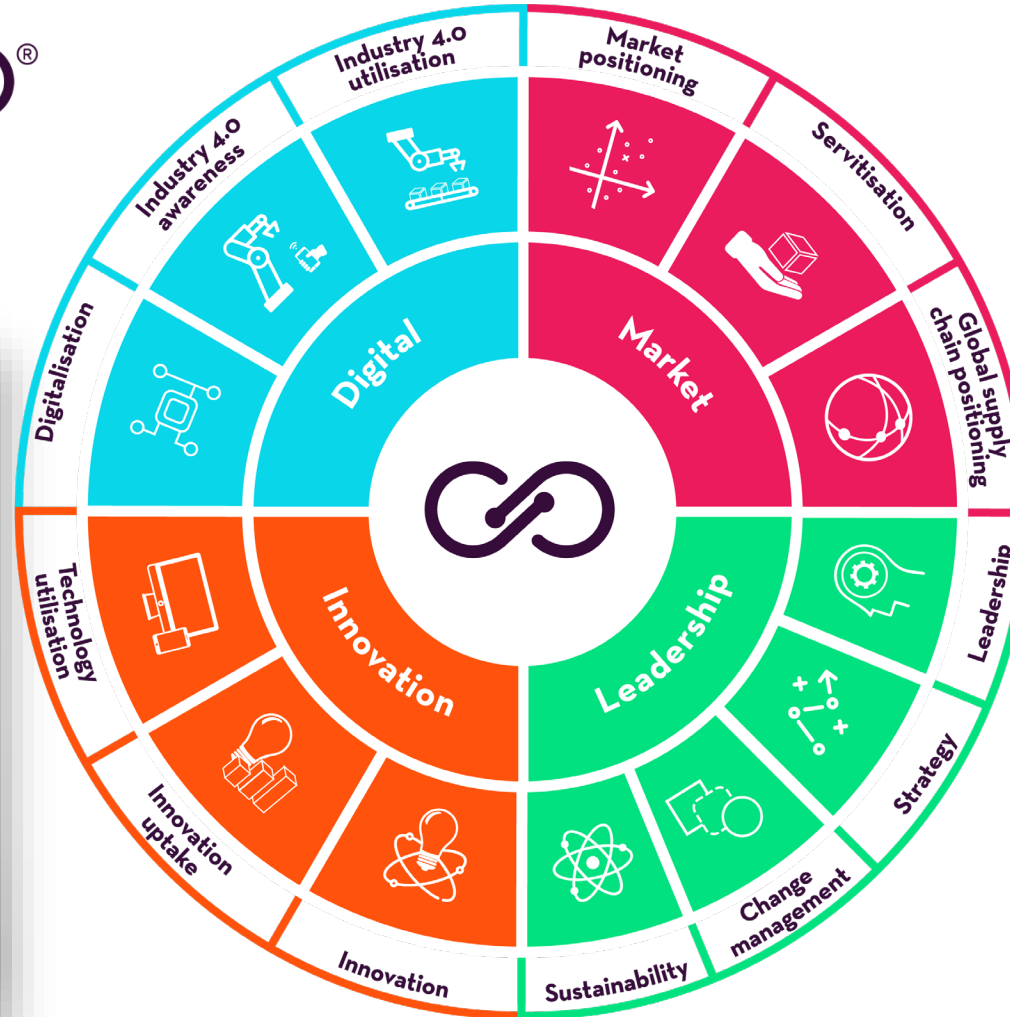
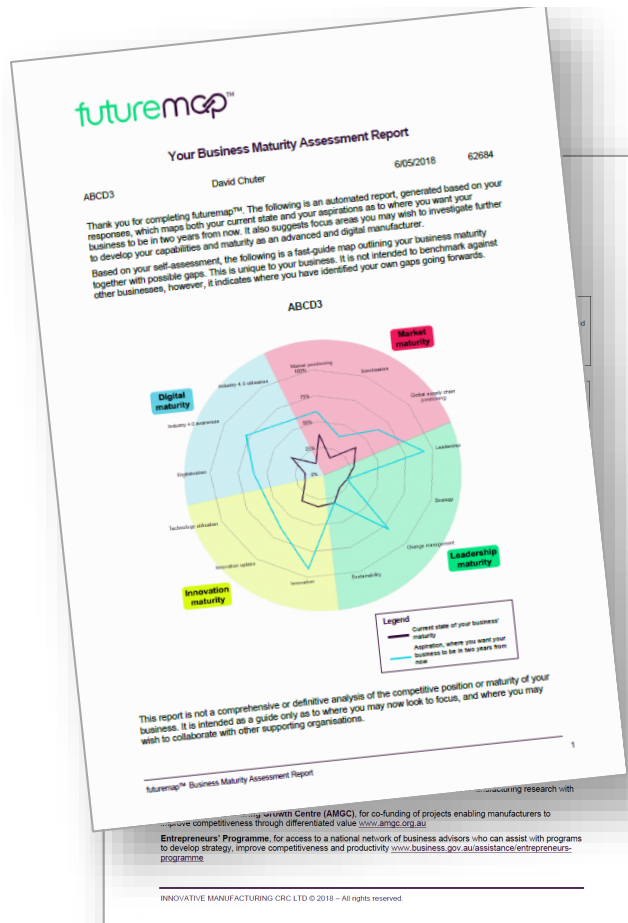


IMCRC SME maturity assessment



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futuremap®



~40 events
nationwide

450+
participant
businesses

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Industry 4.0 awareness – early findings



More than half
are aware of
Industry 4.0

Less than 10%
have a well-
defined digital
strategy as an
integral part of
an overall
strategic plan

Employees are
pushing more
actively than
customers for
greater
digitalisation

CEOs believe
business is more
active than mid
management
consider

Industry 4.0 utilisation – early findings



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Business interest and investment is primarily to improve performance, productivity and lower costs

Only 15% have real time information and digital assistance available to all employees for decision making

Medium and larger companies are more advanced in utilising Industry 4.0 technologies

Only 25% invest in and operate cybersecurity technology and business resilience systems and processes

Technology Application Scenarios

Digital Business Models

Technology Application Scenarios

- Value creation, benefits
- User case studies, exemplars
- Collaboration
- Linkages to test beds / living labs
- Research and innovation focus



Digital Business Models

- Value creation, benefits
- User case studies, exemplars
- Breeding ground for adoption in companies and across industry
- Key success enablers



How do we accelerate successful uptake in Australia?
What should be the Forum priorities?

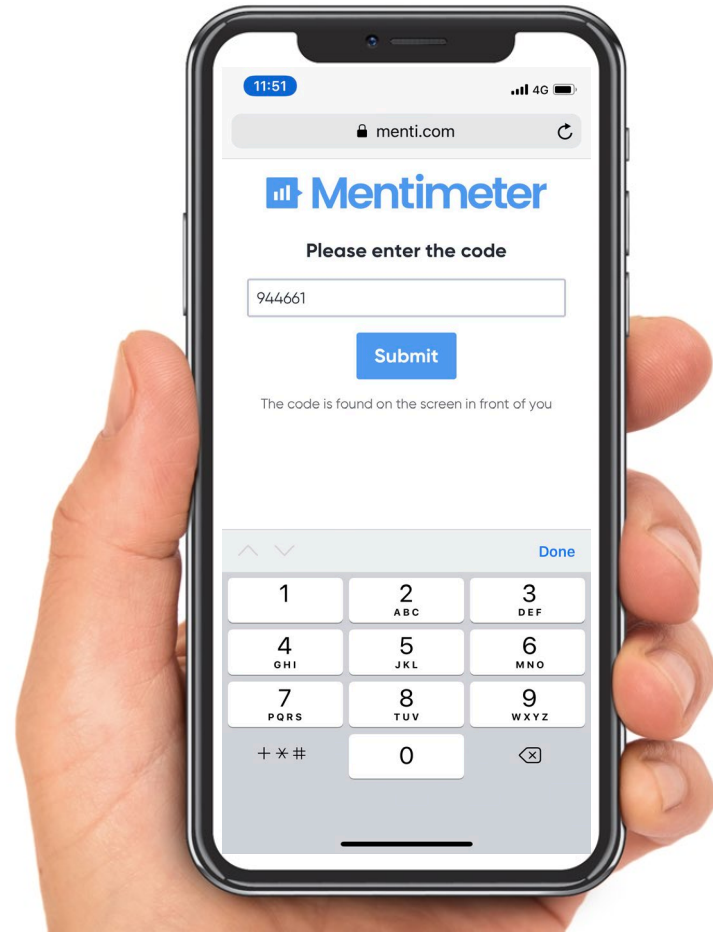
Australia's Industry 4.0 journey?



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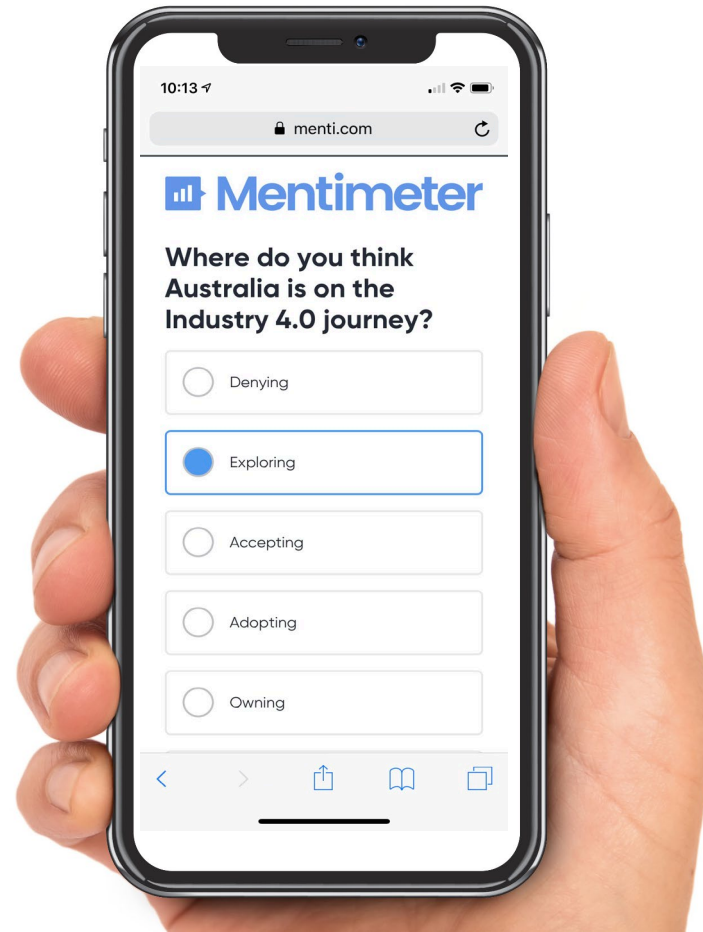
1

Go to www.menti.com
Enter code 944661



2

Choose option



Where do you think
Australia is
on the
Industry 4.0
journey?

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Workshop Objective

- For attendees to assist determine the priority initiatives that the Forum and Working Group should focus on
- Brainstorm in a group of 6 people with a facilitator 3 + 3 + 1

3

- Primary uptake barriers / challenges
- Select top 3

15 + 5 minutes

3

- Primary accelerators
- Do differently?
- Select top 3

20 + 5 minutes

1

- Single greatest opportunity / initiative
- Why?

10 minutes

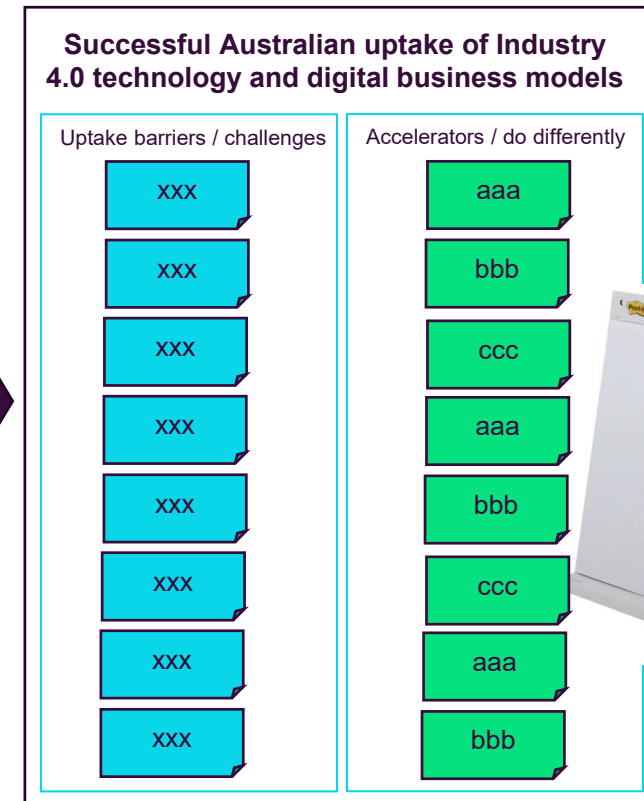
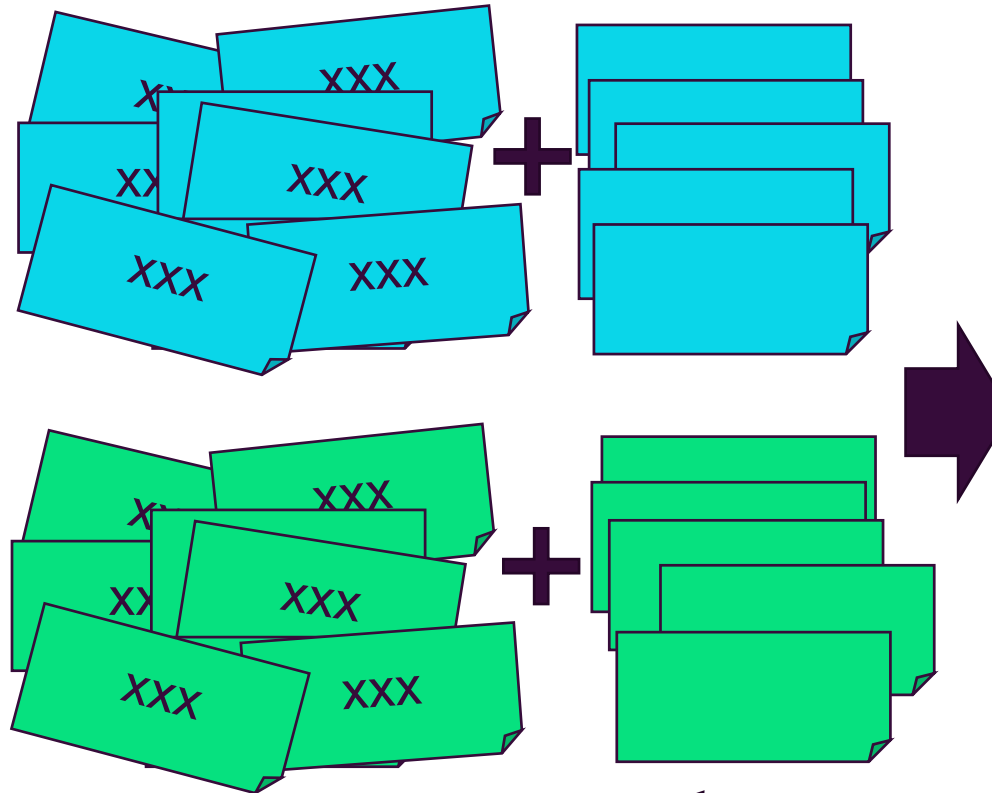
- Present group summary to all attendees 1 minute / group
- Present summary to all conference attendees after tea

Successful Australian uptake of Industry 4.0 technology and digital business models



What are the primary barriers and/or challenges to Industry 4.0 uptake in Australia?

What can and/or should be done to accelerate the uptake (and what could be done differently)?



Maximum 5 word description

Successful Australian uptake of Industry 4.0 technology and digital business models



In your view, and based on your experiences...

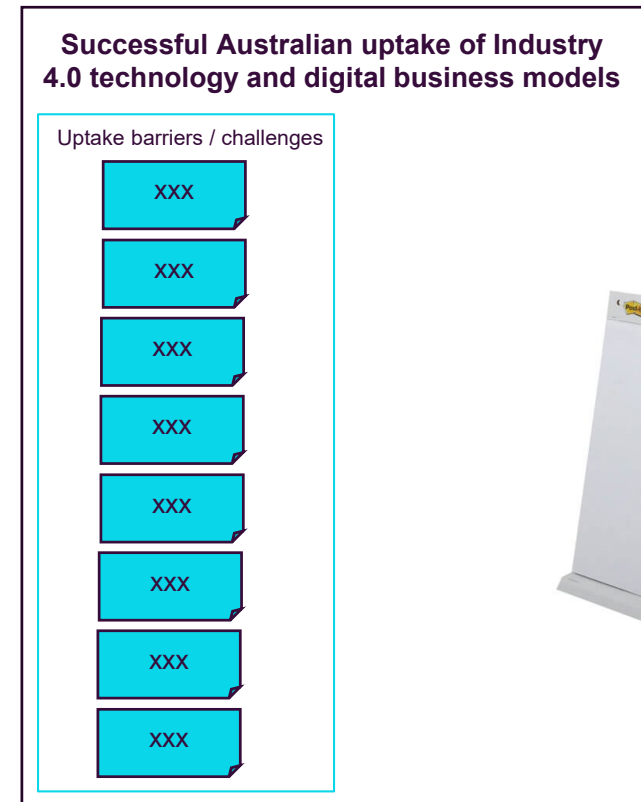
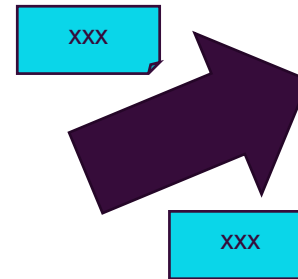
What are the primary barriers and/or challenges to Industry 4.0 uptake in Australia?

15
mins

Brainstorm ideas
Build ladder of cards

5
mins

Agree on 'top three'
Prioritise ladder top to bottom



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In your view, and based on your experiences...

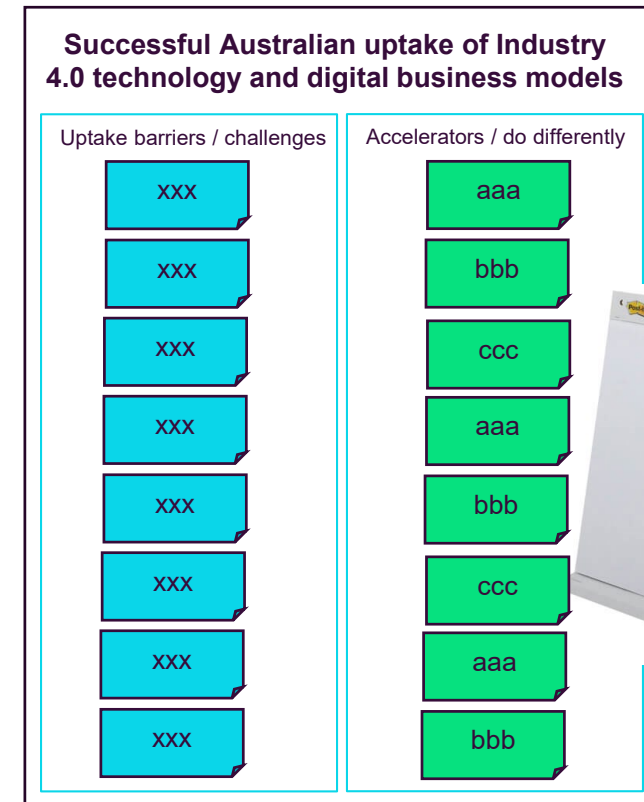
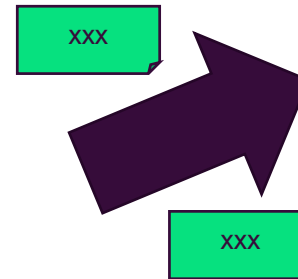
What can and/or should be done to accelerate the uptake (and what could be done differently)?

20
mins

Brainstorm ideas
Build ladder of cards

5
mins

Agree on 'top three'
Prioritise ladder top to bottom



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In your view, and based on your experiences...

Which of these accelerators do you consider to be the single greatest opportunity, initiative or priority, and why?

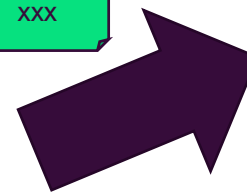
**10
mins**

Agree on number one
Why?
What does good look like?
And by when?

**1
min**

Facilitator to present
to workshop

xxx



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Single recommendation for Forum to consider

What? xxx

Why?

Define good

By when?



Thank you



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