SEIZING THE INTERNET OF THINGS OPPORTUNITY FOR AUSTRALIA

@IoTAA1
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Internet of Things is accelerating digital transformation of the economy

Sustaining environment

Improving productivity

Empowering citizens

Innovating services

The 4th Industrial revolution

Internet of Things – a complex eco-system that demands collaboration

An end-to-end system comprising:
- sensors/actuators
- communications
- data/analytics
- applications and services
- visualisation and user interfaces
- wrapped in security

IoT technology enables digital transformation of industry
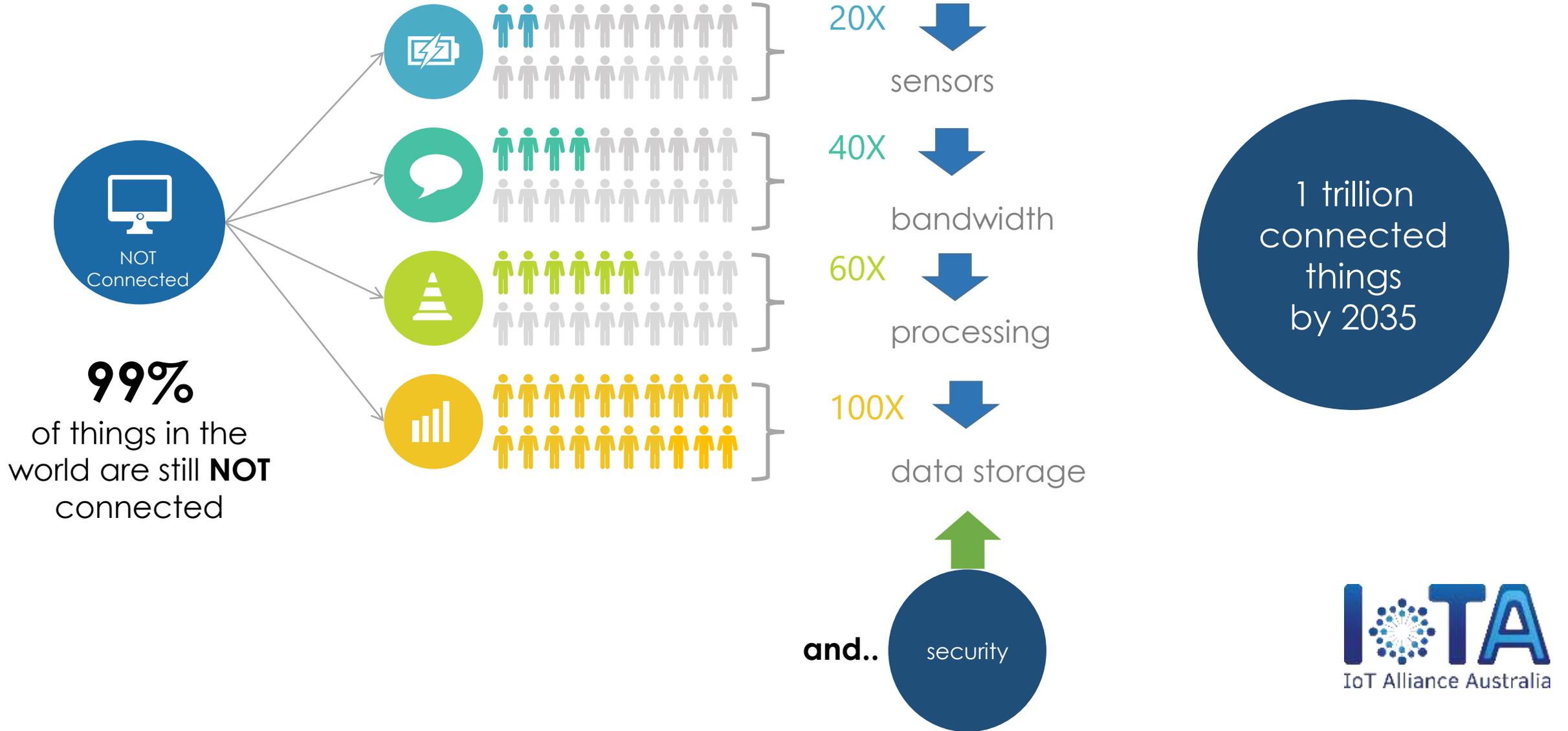
Translating the physical world to digital
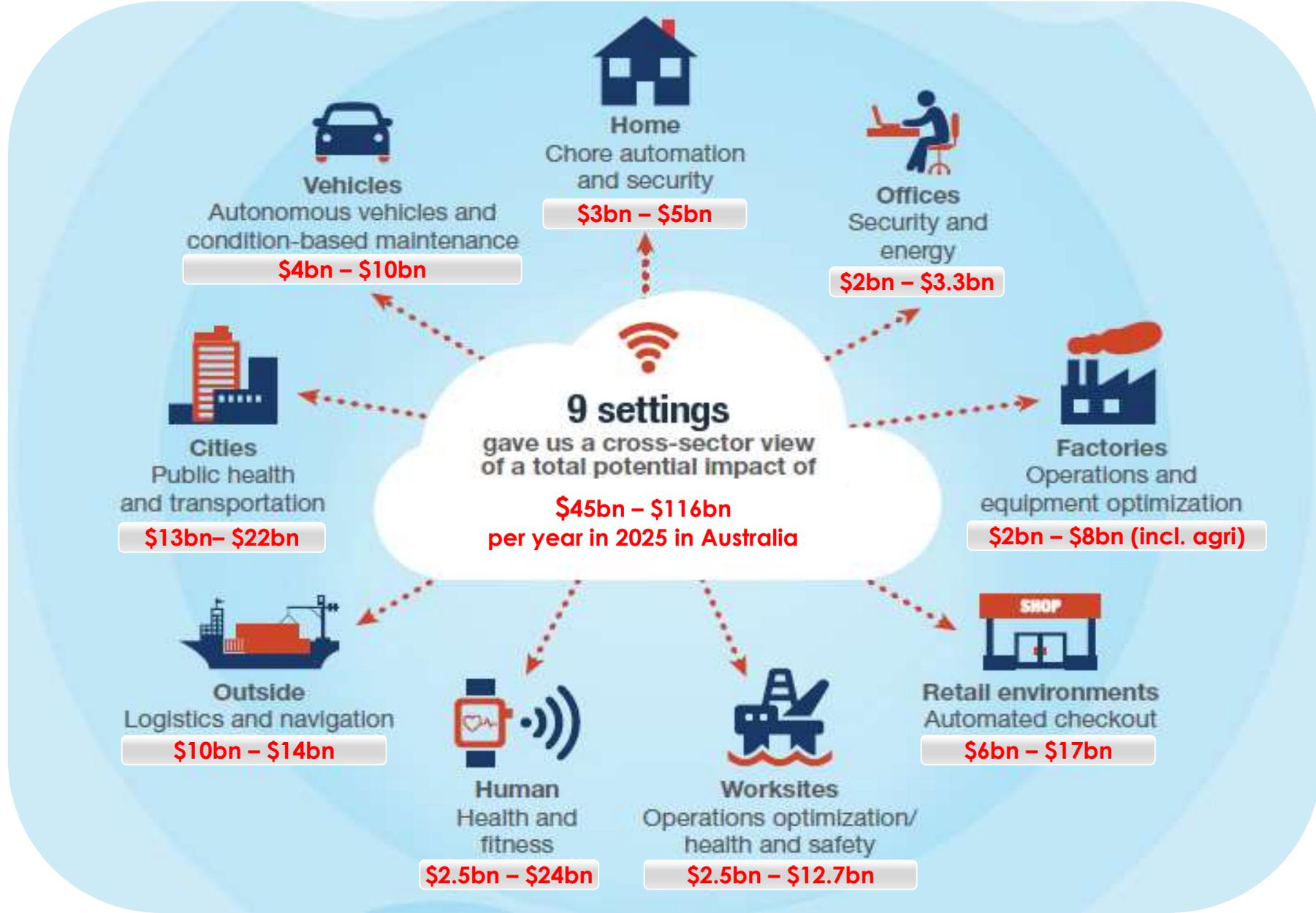
Collecting, transforming and sharing data

Using analytics to gain insights, find patterns, predict performance, optimise systems

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New business models

Radical decreases in cost of data acquisition, storage and processing in last 10 years

99% of things in the world are still **NOT** connected

NOT Connected

20X → sensors

40X → bandwidth

60X → processing

100X → data storage

and.. security

1 trillion connected things by 2035

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The economic opportunity

Four key factors in accelerating adoption

1 **Collaboration**

- Industry/ government/ research collaboration underpins leadership– UK, Germany, Singapore, Japan – lead examples
- Big players must work with small players, start-up support

2 **Learning/ innovating by doing – iterative and agile development is the way forward**

- Technology and business model disruption is happening fast – start, learn and adapt
- Government has a role in triggering activity in areas of national interest
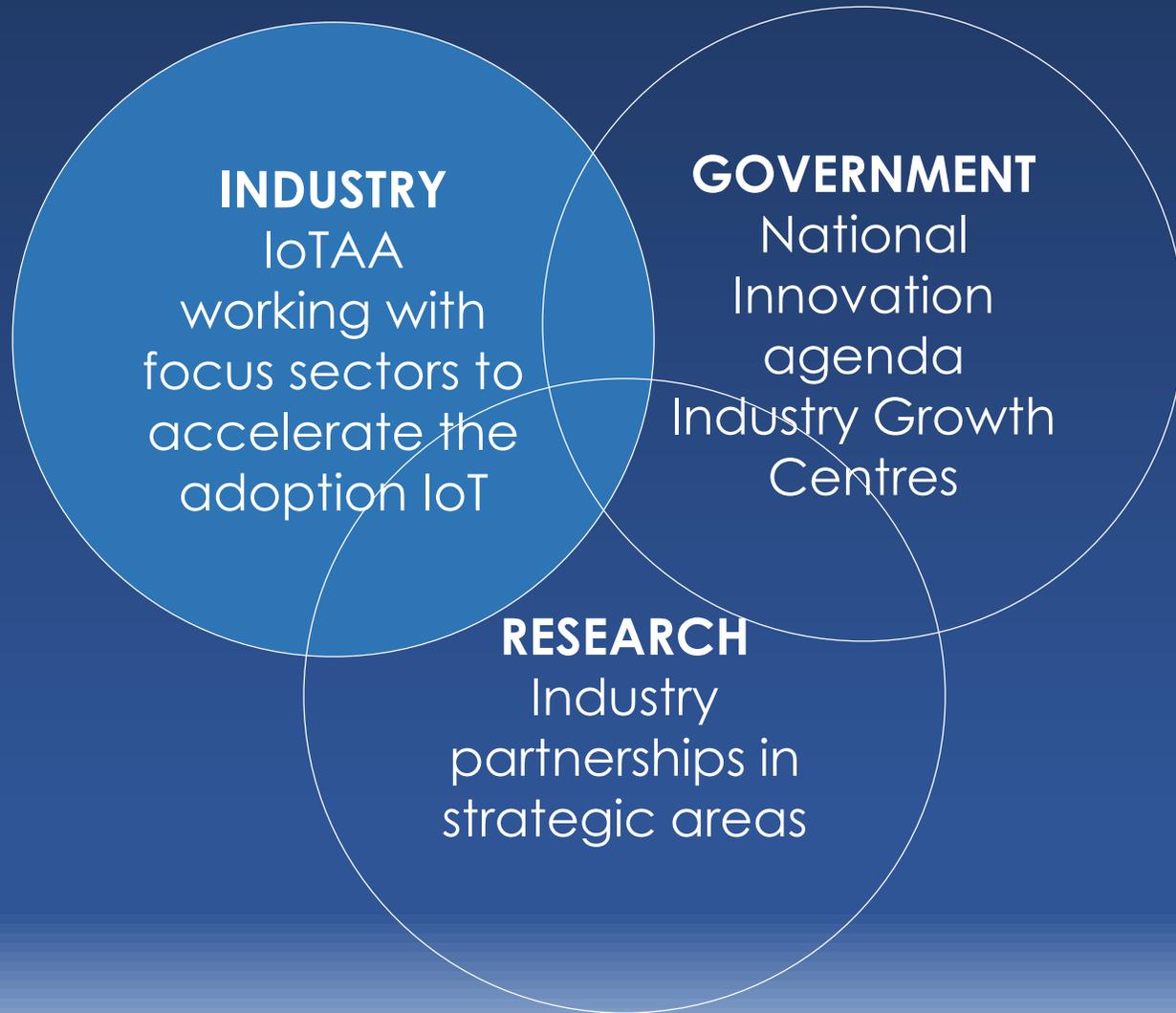
3 **Streamline governance across boundaries to unlock new business models**

- Breakdown unneeded regulatory boundaries that inhibit innovation
- Enable data sharing – especially between government and business and citizens

4 **Focus on sectors to build on Australia's natural advantages and to enhance our competitiveness**

- Food and agribusiness, water, energy, transport and smart cities

Internet of Things Alliance Australia (IoTAA)

INDUSTRY
IoTAA working with focus sectors to accelerate the adoption IoT

GOVERNMENT
National Innovation agenda Industry Growth Centres

RESEARCH
Industry partnerships in strategic areas

Vision: To empower industry to grow Australia's competitive advantage through IoT

IoTAA addresses seven key enablers and inhibiters for IoT adoption

Spectrum Availability for lower cost connectivity

Security & Network Resilience - trust that underpins growth

Data Sharing & Privacy to accelerate data flow and protect people

IoT Start-up innovation

Sectoral Focus where we have a natural advantage

Platforms & Interoperability to enable innovation & avoid lock-in

Collaborative Australian IoT Industry

Seven key enablers and inhibitors = **workstreams**

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