



Putting the AI in SustAInability

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The better the question. The better the answer. The better the world works.



Shape the future
with confidence

Overview

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01

Why are we all talking about Ai?

By 2030...

...disruption

Global growth

- From ~\$333bn in 2023, the global AI market is forecast to surge to nearly **\$1tn**, achieving a compound annual growth rate of **17%**

Australian growth

- GenAI could contribute up to **\$115bn** pa to Australia's economy (5%) by improving existing industries and enabling new products and services

Infrastructure

- AI will double demand for data centres, with **175** extra facilities needed, growing deployable capacity from 1350MW in 2024 to **3100 MW**

Adoption

- More than **75%** of companies expect to integrate AI, big data and cloud computing within the next **5** years
- Generational shift

People

- Over **11 million** employees, or **95%** of the Australian workforce, will be impacted by critical technologies, including AI

Consumers

- AI could influence over **55%** of consumer transactions in Australia, totalling **\$669bn** (aged 18-44 yrs)

Jobs?

- AI could create **200,000** new jobs in Australia, growing **500%**.
- But 'productivity gains' = automation

Regulation

- New regulatory and Responsible AI policy frameworks emerging at speed.
- Focus on 'Australia's sovereign AI capability'

How will we use AI?

(some examples)



HEALTH



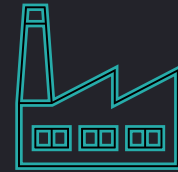
CUSTOMER
SERVICE



FINANCE



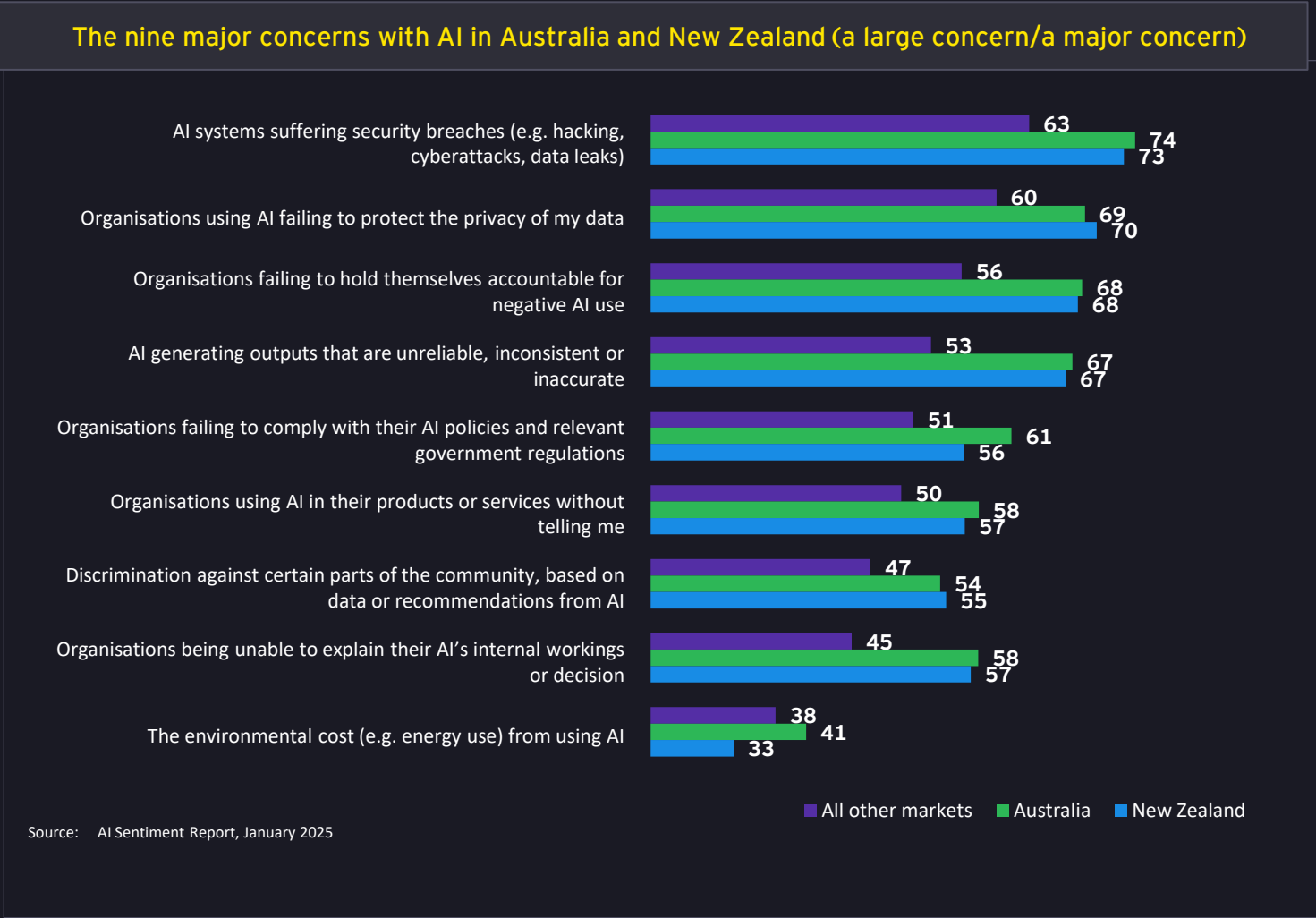
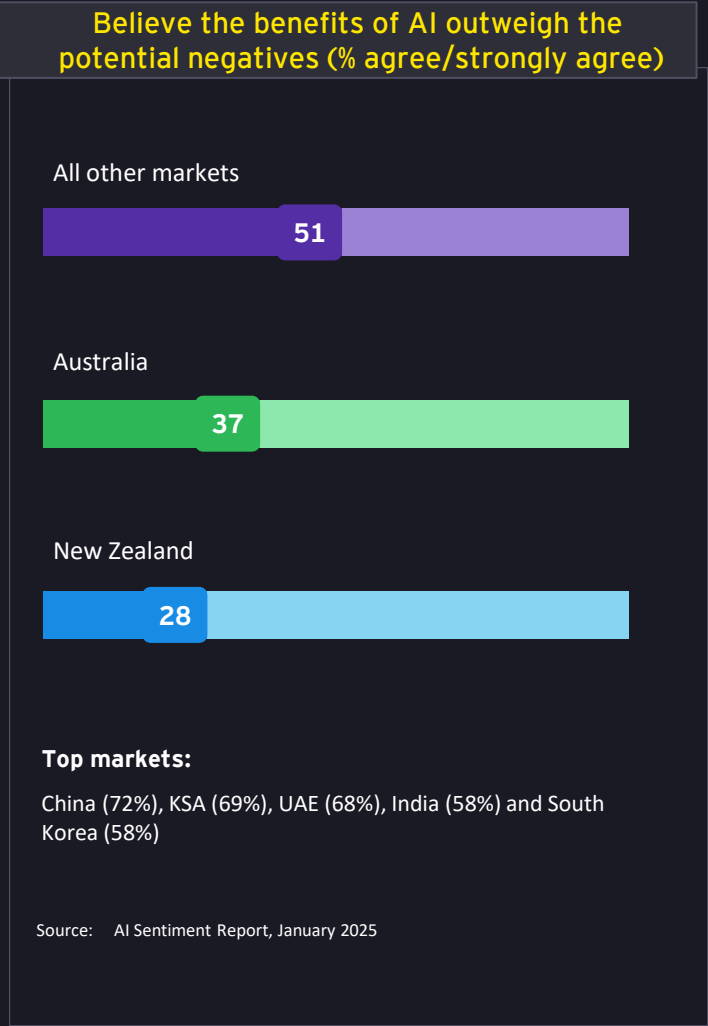
RETAIL AND
eCOMMERCE



MANUFACTURING

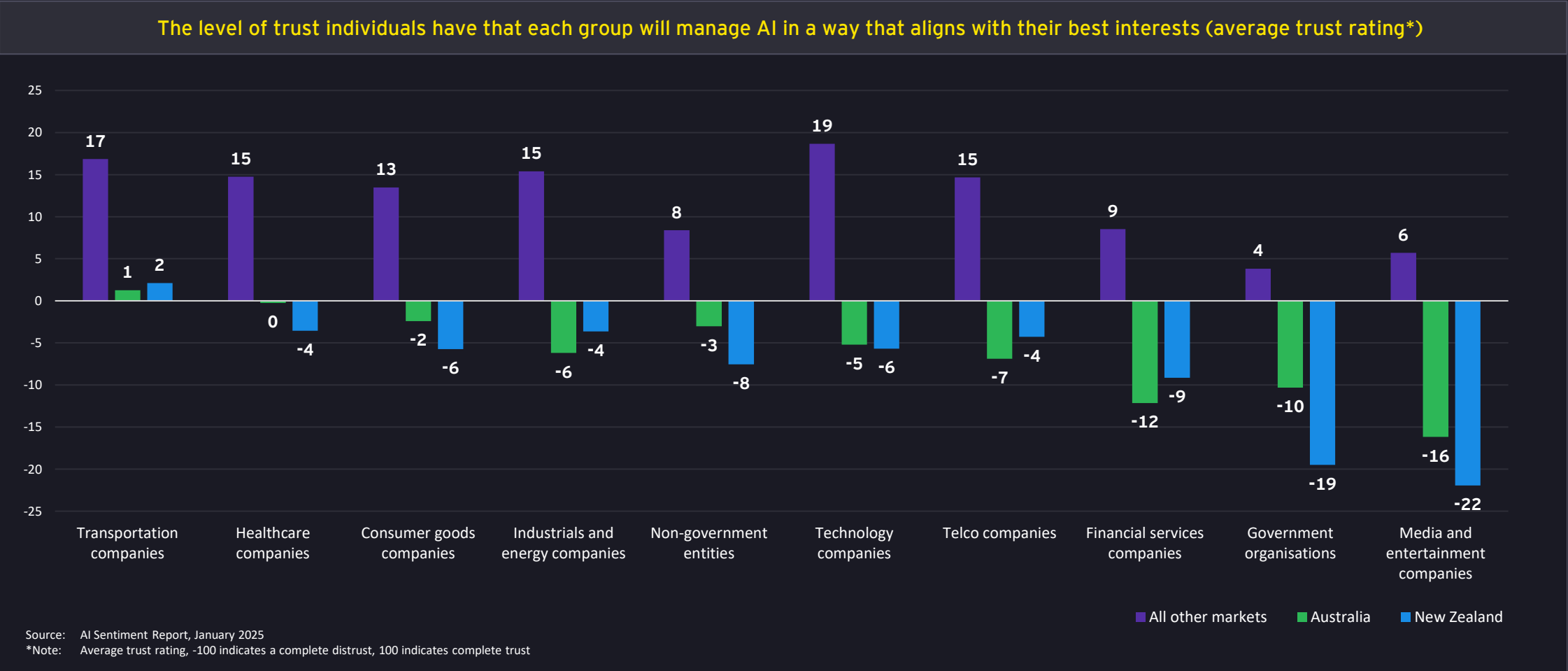
Concerns about AI

Overarching concern that the benefits of AI don't outweigh the negatives for society.



Groups trusted to manage concerns about AI

It’s critical for governments, developers and private sector organisations to navigate the trust deficit

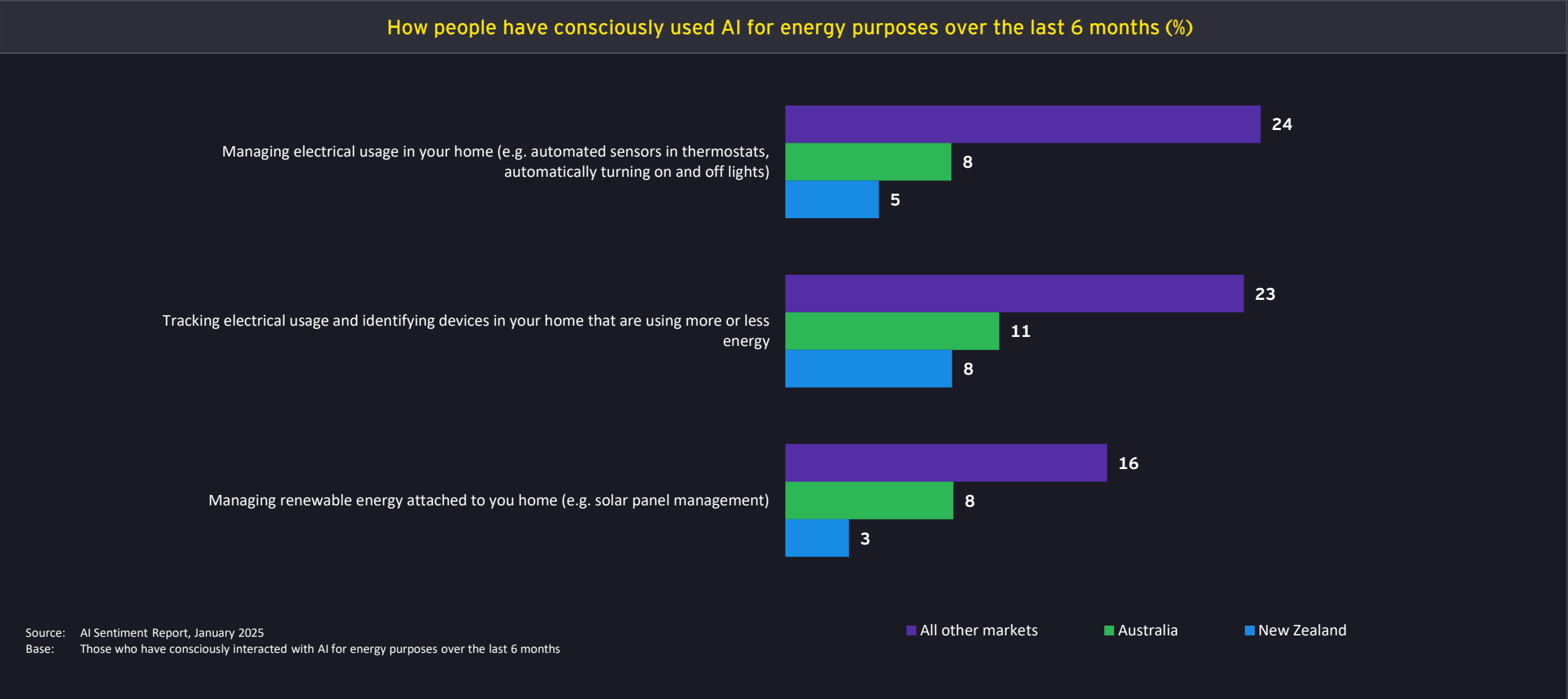


02

The sustainability of Ai

Integration into the energy landscape

It’s critical for energy providers to recognise how AI is being utilised in the energy sector.



Responsible AI

- Transparency and explainability
- Data privacy and security
- Accountability
- Ethical guidelines and compliance
- Accessibility, affordability and inequity
- Social impacts



03

Ai for sustainability



04

Some concluding thoughts

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