



A2EP – 2xEP Energy Productivity Summit
04-05 April, 2017
Australian National Maritime Museum
Darling Harbour, Sydney

Session 11
The next wave: 2xEP
Innovation: Food value chain

Mirjana Prica

Tim Plenderleith > presentation follows

Richard Magney

Geoff Andrews

Chair: Angus Crossan



Doing more. Using less.

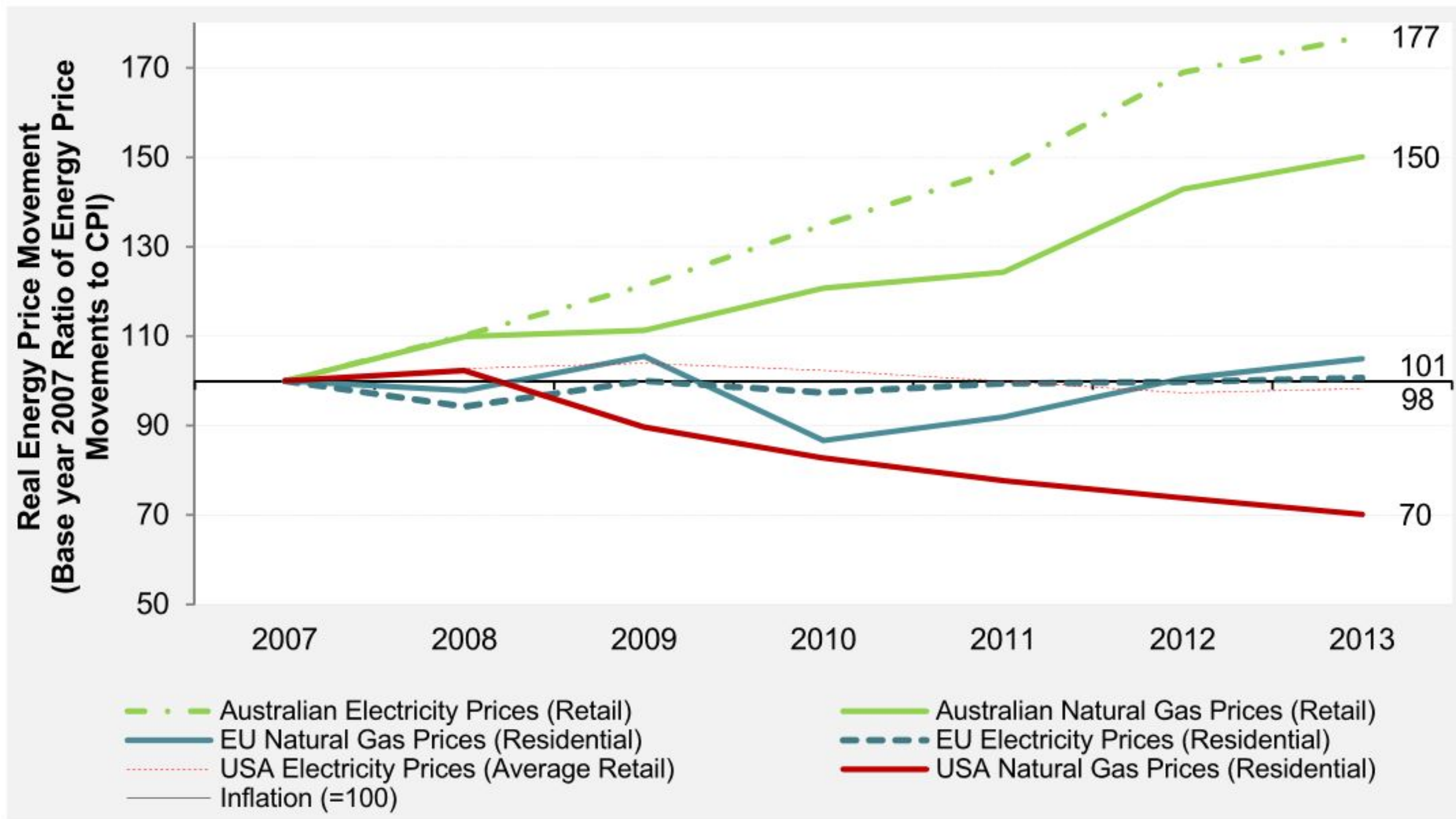
Re-Energising Australian Manufacturing – Doubling Energy Productivity by 2030



Tim Plenderleith

Market Director
Manufacturing

5 April 2017



The **3** imperatives to **succeed** in **manufacturing** in Australia

1. Understanding the consumer



2. Being prepared to challenge status quo



3. Facility technology



Australia's manufacturing sector in decline

There is a lot of debate about the state of manufacturing...

MYTHS

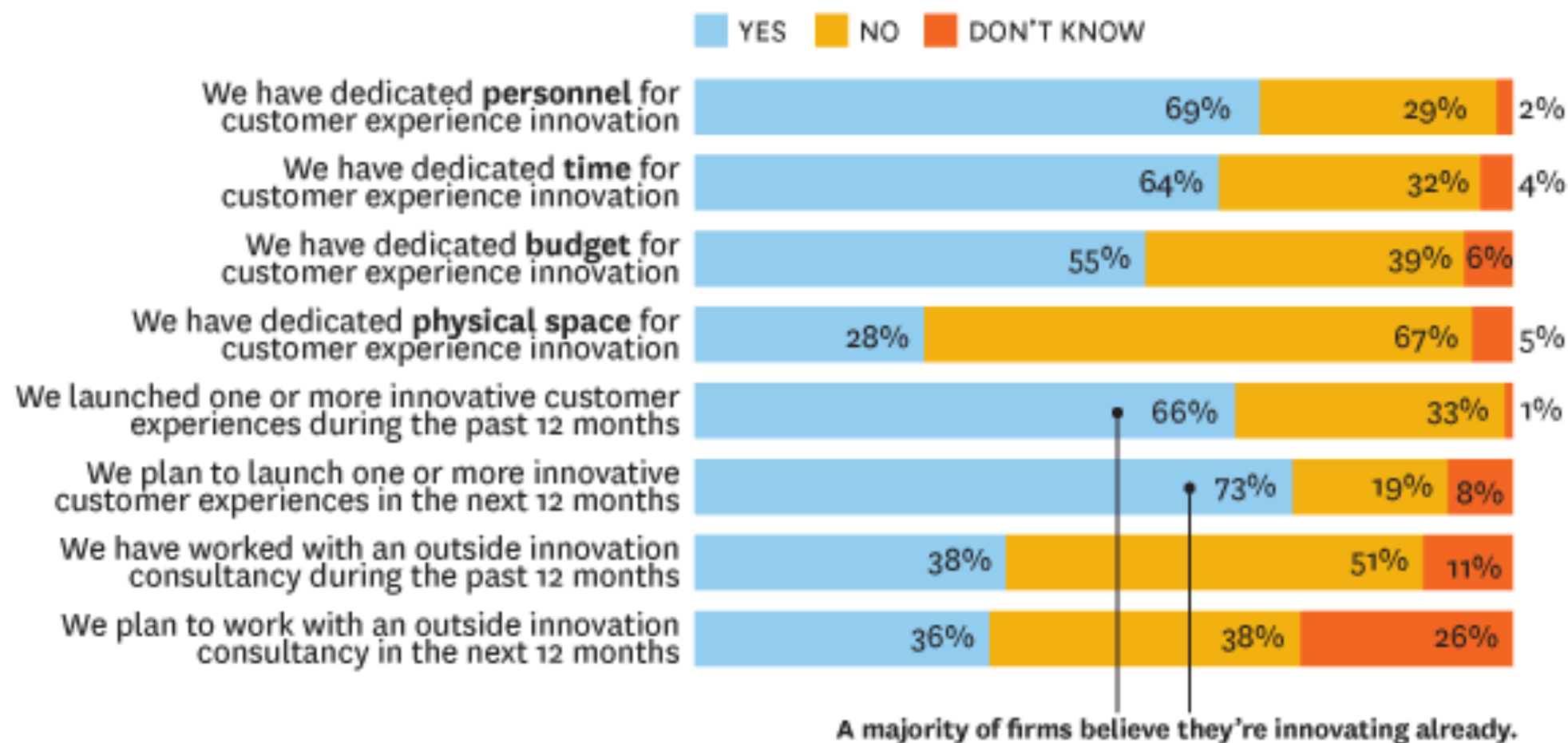
FACTS



The positives: The rise of micro-multinationals



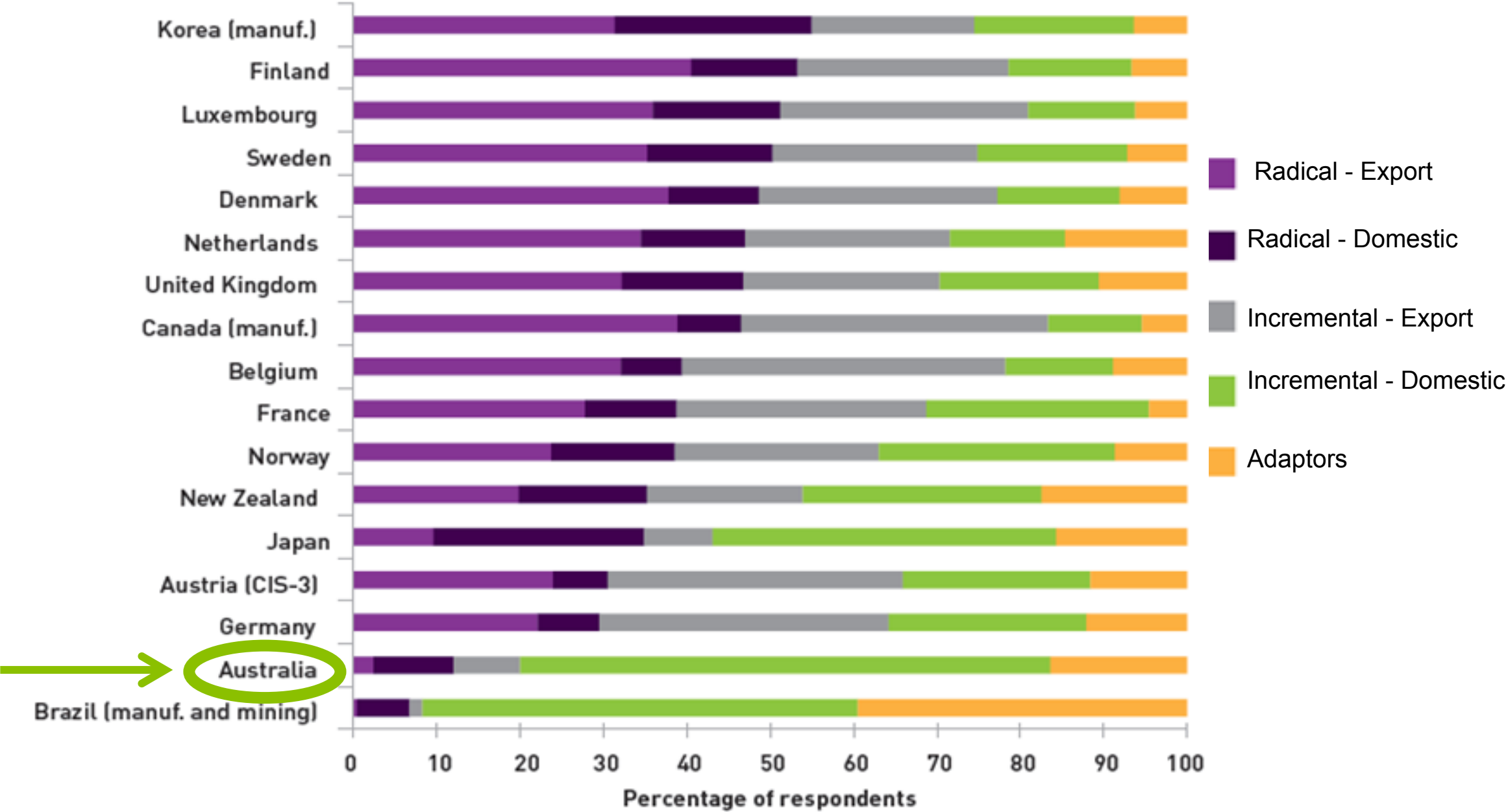
DOES YOUR ORGANIZATION HAVE THE FOLLOWING CUSTOMER EXPERIENCE INNOVATION RESOURCES AND/OR CAPABILITIES?



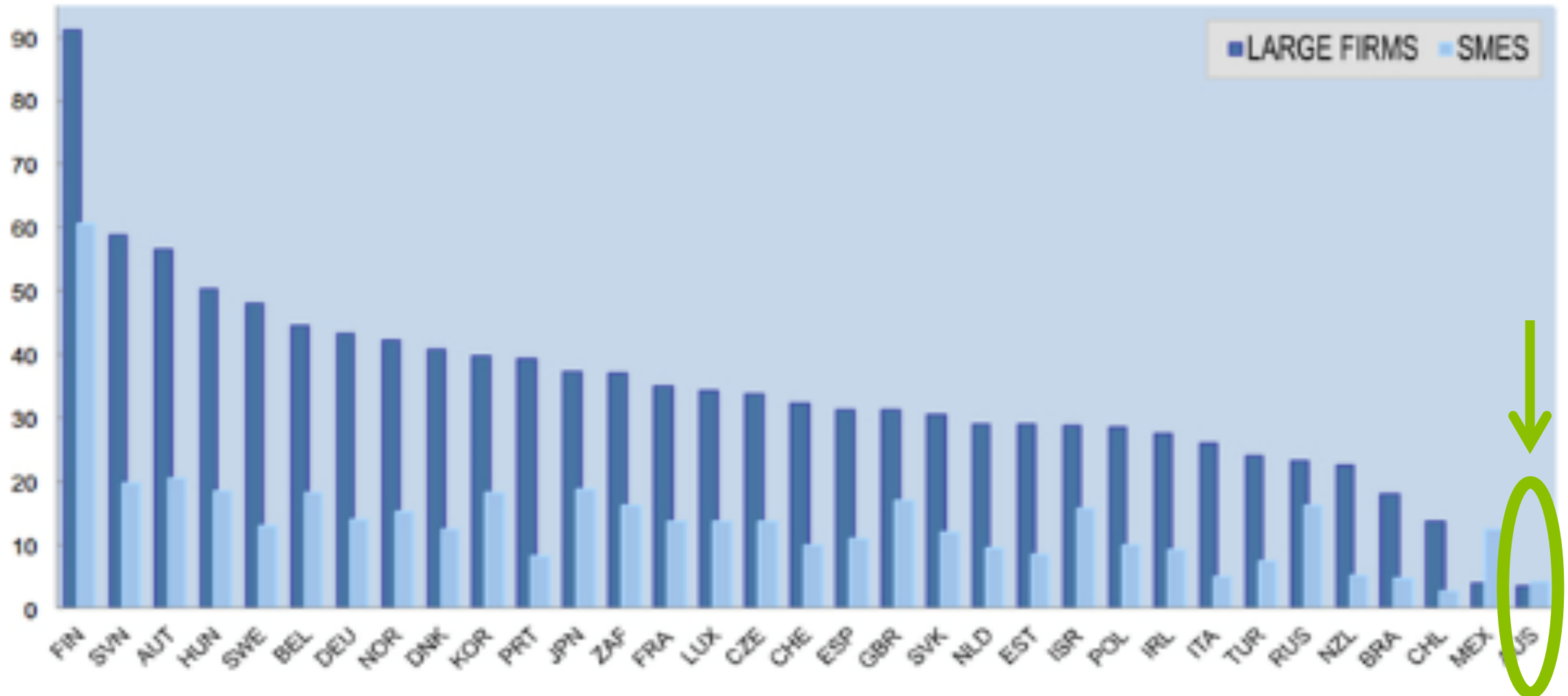
SOURCE FORRESTER RESEARCH: Q4 2012 GLOBAL CUSTOMER EXPERIENCE PEER RESEARCH PANEL ONLINE SURVEY

HBR.ORG

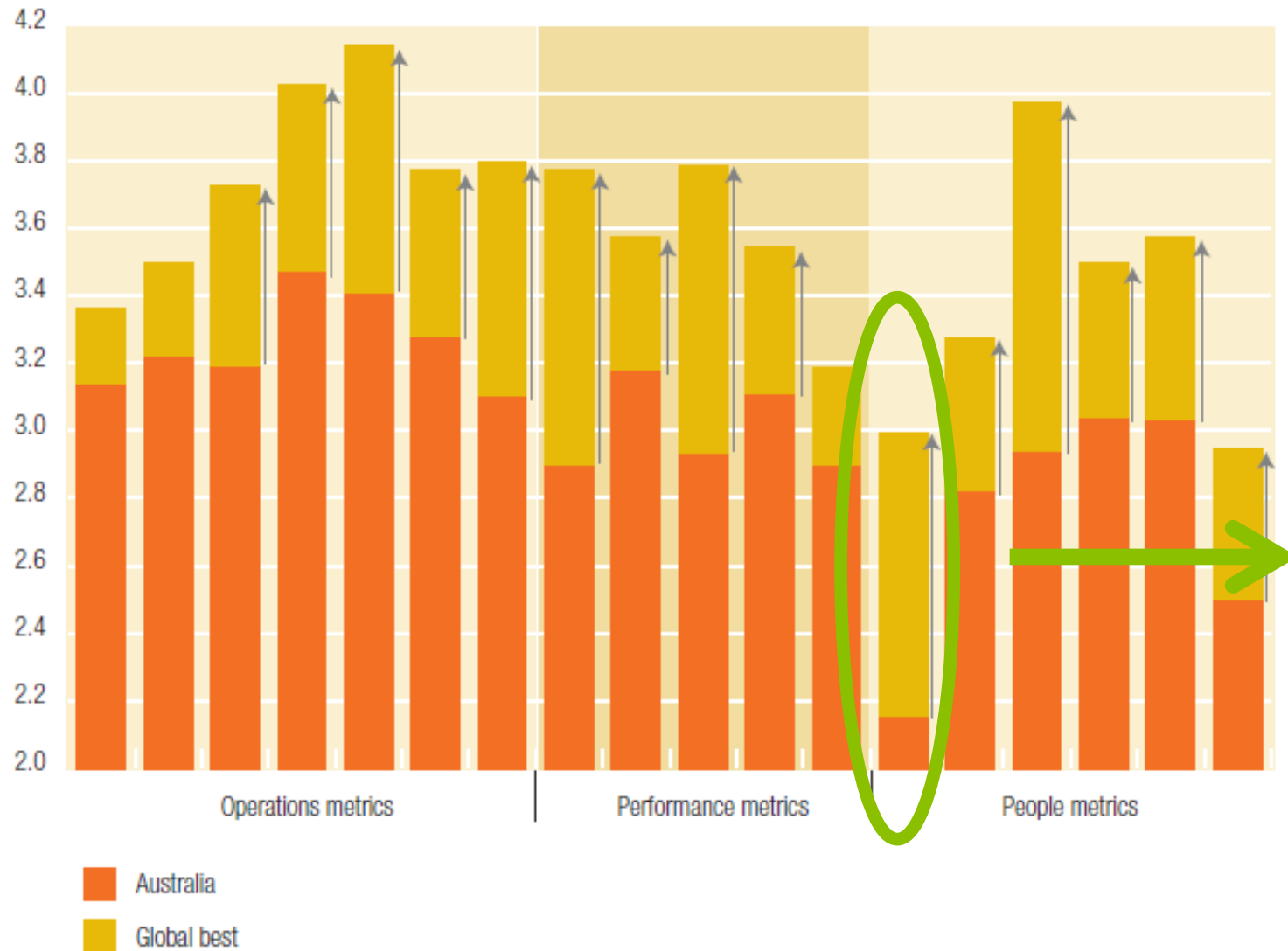
Chart 1.9: Comparison of innovation modes across 17 OECD countries



Graph: Firms collaborating on innovation with higher education or public research institutions as a percent of product or process innovating firms



AUSTRALIAN MANAGEMENT PERFORMANCE GAPS



Instilling a talent mindset

Seen as a proxy for innovation capability

Source: Green, R. Agarwal, R. Van Reenen, J. Bloom, N. Mathews, J. Boedker, C. Sampson, D. Gollan, P. Toner, P. Tan, H. Randhawa, K & Brown, P. (2009).

Management Matters in Australia: Just how productive are we? Report for Department of Innovation, Industry, Science & Research, Canberra

The Manufacturing Supply Chain



Key Cost Drivers

- Raw Materials
- Labour
- Energy, water, waste
- Supply chain and logistics

Nestlé in society

Creating Shared Value and
meeting our commitments 2016



150 Years
of Good Food, Good Life



Environmental sustainability

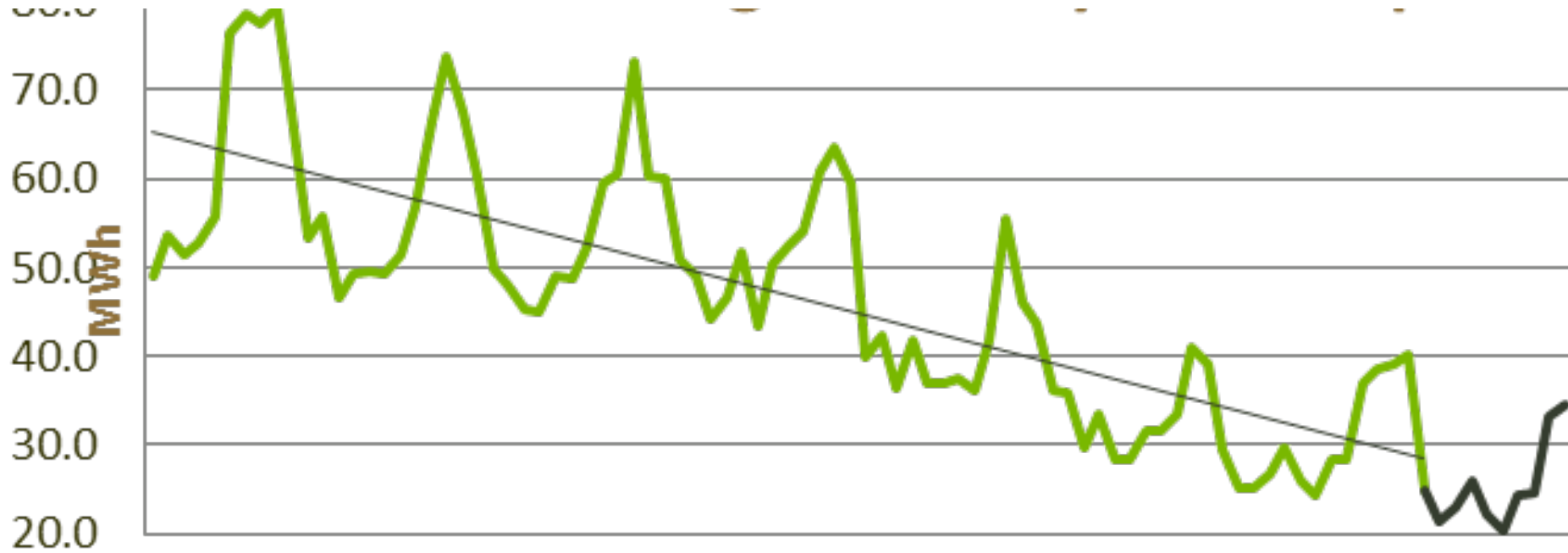
39%

Reduced our emissions per tonne of
product by 39% (cumulative since 2006)

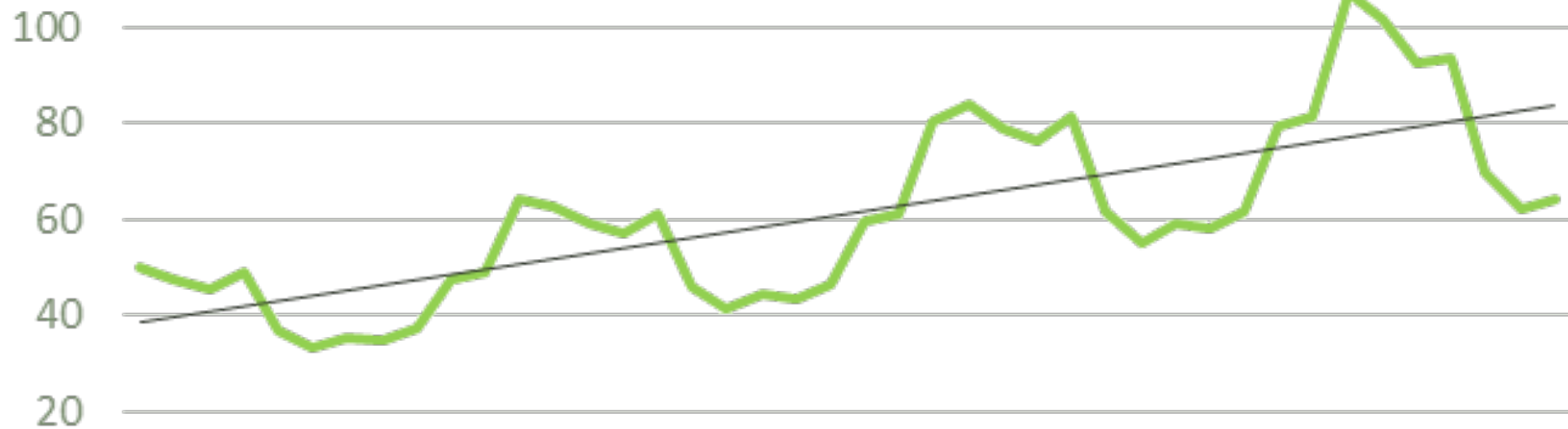
Align behind strategy and vision

*Bringing ideas
to life*

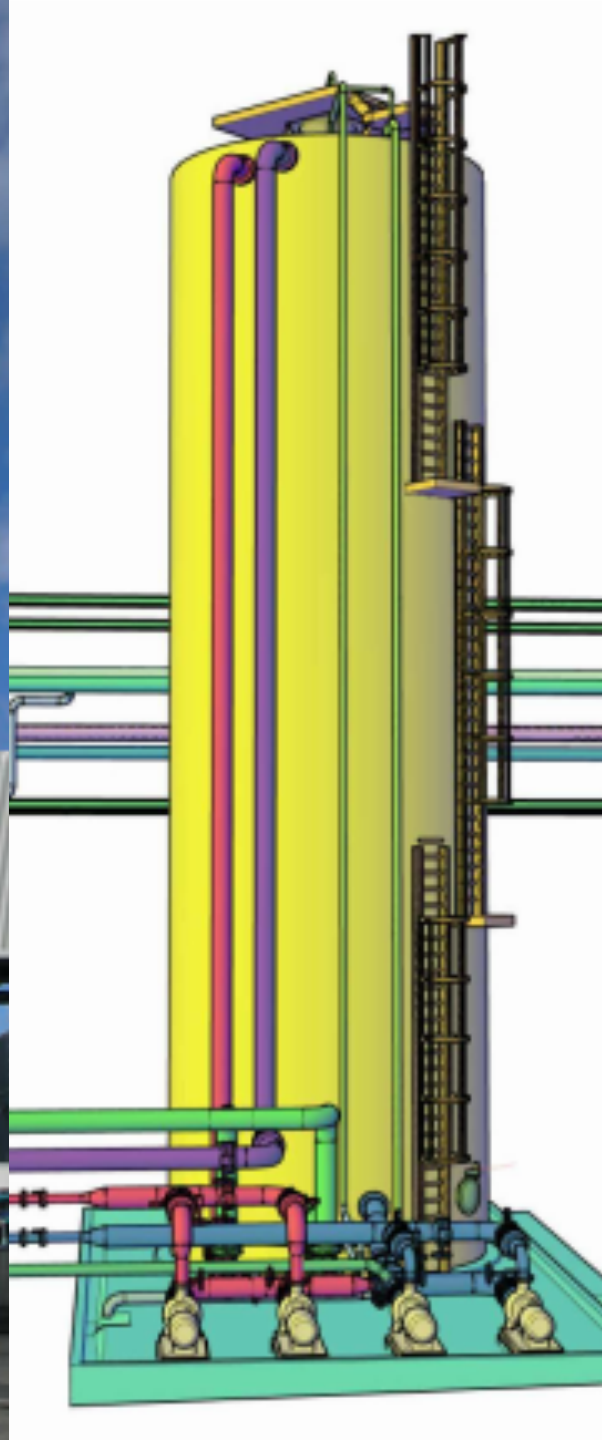
Facility 1



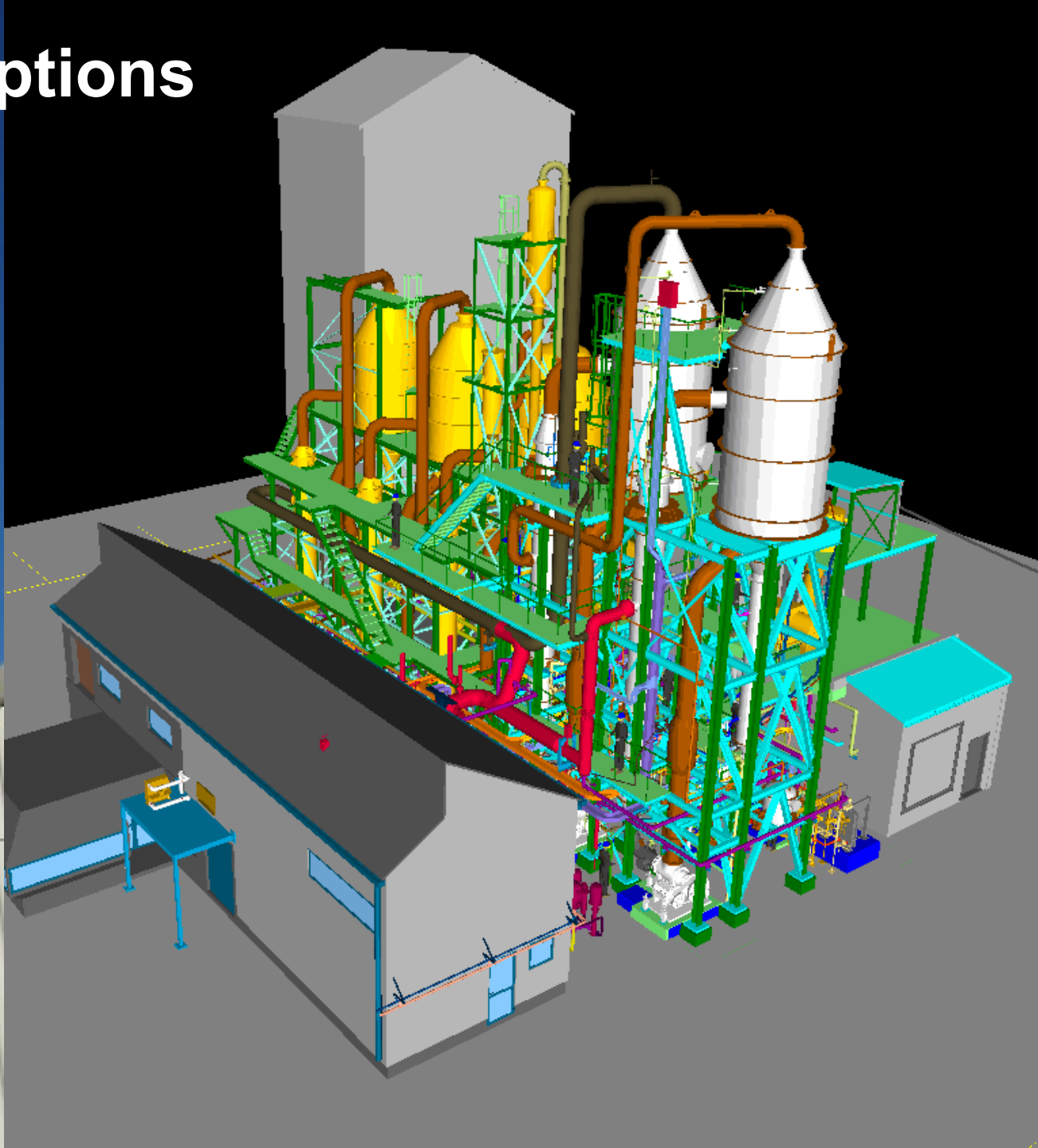
Facility 2



Align behind strategy and vision



Challenge Embedded Assumptions



Challenge Embedded Assumptions



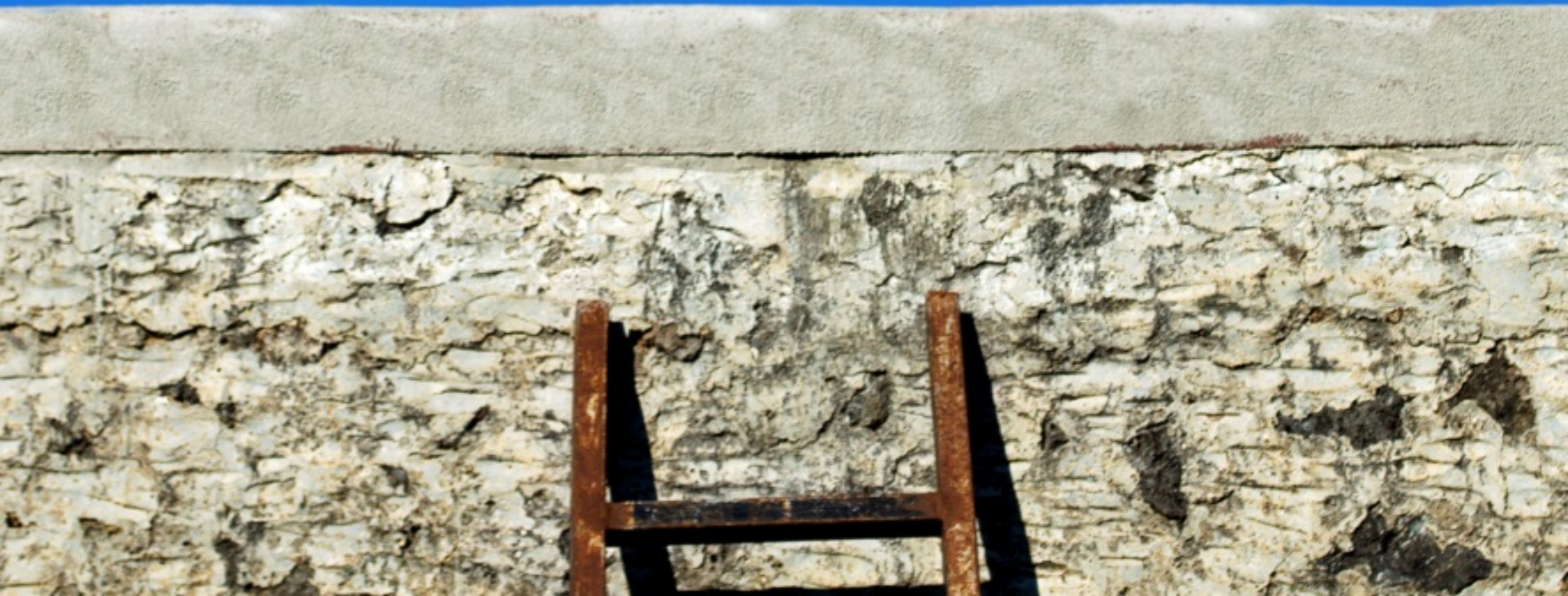
Embrace adjacent industries



Embrace new technologies and disruptions



What is the step change the industry is waiting for?





Our challenge to double energy productivity

*Bringing ideas
to life*

- **Strength in leadership and vision**
- **Align to strategy and vision**
- **Challenge embedded assumptions in business**
- **Embrace adjacent industries, technology and disruption**