

TRANSFORMING AUSTRALIAN MANUFACTURING

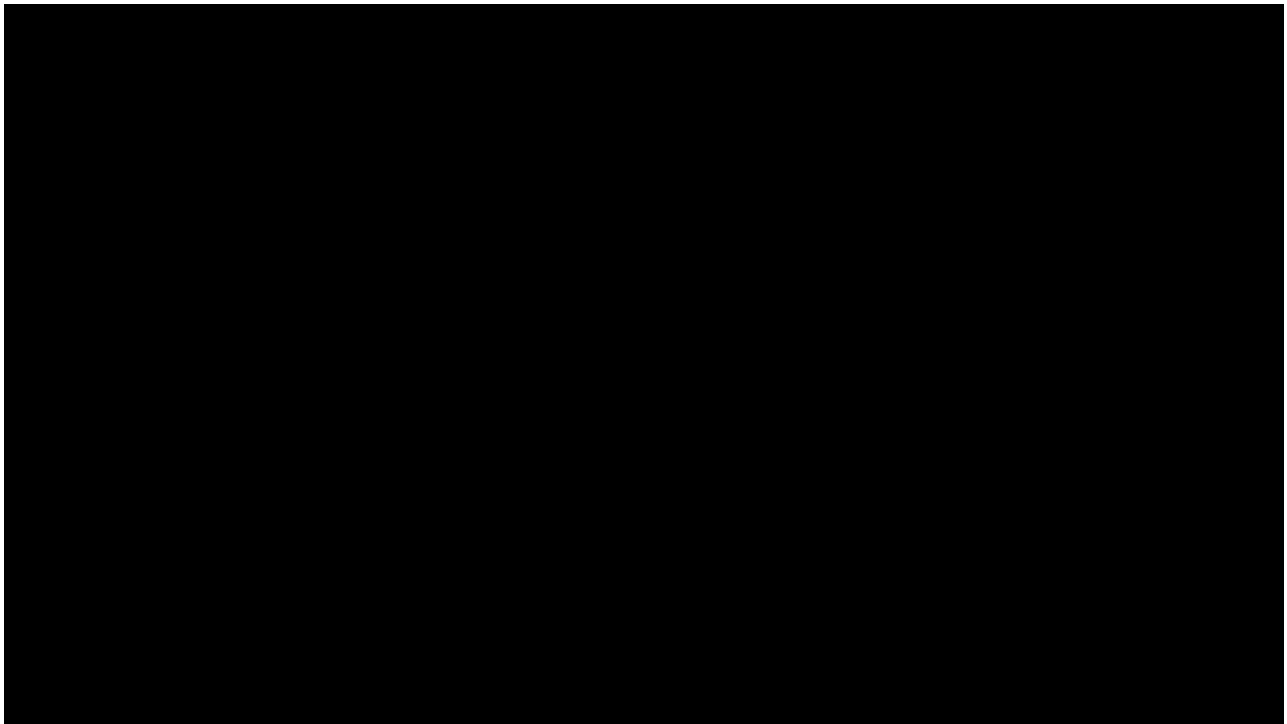
MICHAEL SHARPE

DIRECTOR

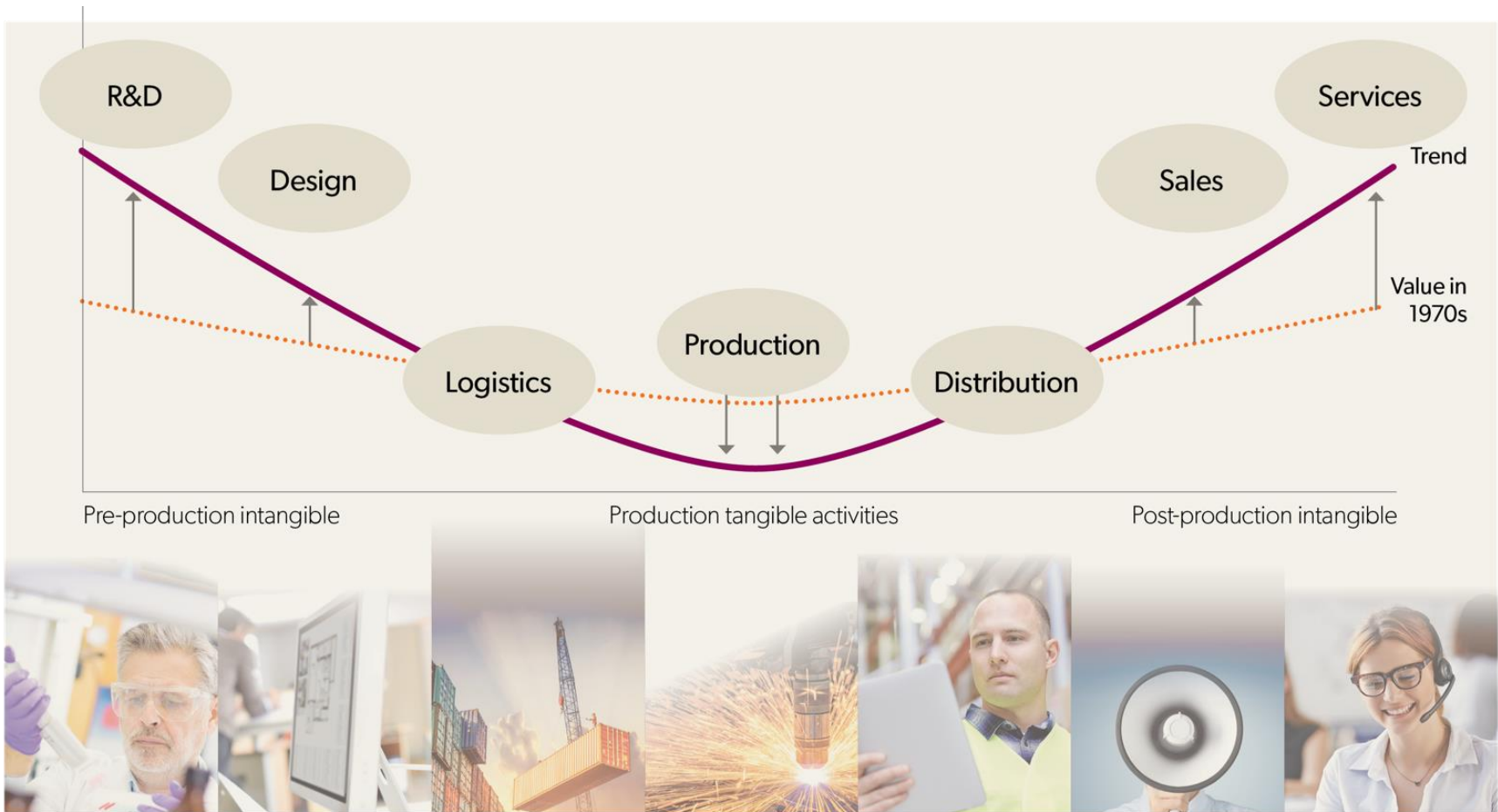
ADVANCED MANUFACTURING GROWTH CENTRE LTD

www.amgc.org.au





IN MANUFACTURING, WE SEE THE FRONTIER OF COMPETITION CHANGING DRAMATICALLY... AND ACCELERATING



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

ENABLING TECHNOLOGIES ARE AMPLIFYING THE CHANGE IN SKILL AND JOB PROFILE



**Additive Manufacturing
(3D printing)**



**Digital Subtractive
Manufacturing**

Internet of Things



**Sensing and
Autonomous Systems**



**Robotics and Machine
Learning (AI)**



**Industry 4.0
Mass customisation**

INDUSTRY GROWTH CENTRES HAVE BEEN ESTABLISHED TO DRIVE INDUSTRY-LED ACTIVITY IN KEY SECTORS

The Industry Growth Centres Initiative is an industry-led approach driving innovation, productivity and competitiveness by focusing on areas of competitive strength and strategic priority. This will help Australia transition into smart, high-value and export-focused industries.

Six Centres have been established...



**Advanced
Manufacturing**



Cyber Security



**Mining Equipment,
Technology and Services**



**Medical Technologies
and Pharmaceuticals**



**Food and
Agribusiness**



**Oil, Gas and
Energy Resources**

and have been broadly tasked with...



1. Improve engagement with international markets and access to global supply chains



2. Improve managerial and workplace skills



3. Increase engagement between research and industry, and within industry, to achieve commercialisation outcomes



4. Remove unnecessary and over burdensome regulations

OUR VISION IS ATTRACTING NATIONAL AND GLOBAL INDUSTRY COMMITMENT AND ENGAGEMENT



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OUR PROJECT CRITERIA HAVE FOUR MAIN ELEMENTS



Value Differentiation through increased **Technical Leadership**



Value Differentiation through **Servitisation**



Lift of **Skills, Scale and Industry 4.0**



Reach into **Underserved Markets & Global Value Chains**