



MICRO
FACTORIES
AUSTRALIA

MICROFACTS SHEET - 1

MICROFACTORIES AUSTRALIA

has been established to help SME manufacturers rapidly and efficiently transition from current state mass production to a more sustainable future state of in-demand manufacturing driven through digital and automated manufacturing technologies.

WE EVOLVE ► DESIGN ► PROJECT MANAGE ► CONSTRUCT MICROFACTORIES

MICROFACTORIES are small floorplate, multi-use, manufacturing bases for SMEs engaged in the SPACE, DEFENCE, HEALTHCARE, RESOURCES, WASTE MANAGEMENT & CLEAN ENERGY sectors.

Our designs are bespoke. Collaboratively developed and tailored for individual clients. They're also flexible and adaptable: providing SMEs with a manufacturing agility like never before and allowing likeminded companies to pool talents and resources to grow their capacity and capabilities.

Our MICROFACTORIES change the manufacturing paradigm — no more mega production lines. No more reliance on overseas suppliers. No more exhausted supply chains. Ours is a more sustainable manufacturing eco-system, enhancing environmental outcomes, with our MICROFACTORIES also monitoring their own environmental performance.

Innovative MICROFACTORY designs allow for easy automation and modularity — enabling manufacturers to develop prototypes for market and iterate and refine their products while simultaneously manufacturing them for sale. All the while building a localised, onshore manufacturing capability: where SMEs have the opportunity to share space, collaborate and link-in with a community of suppliers and materials producers.

For more information contact
MICROFACTORIES AUSTRALIA:

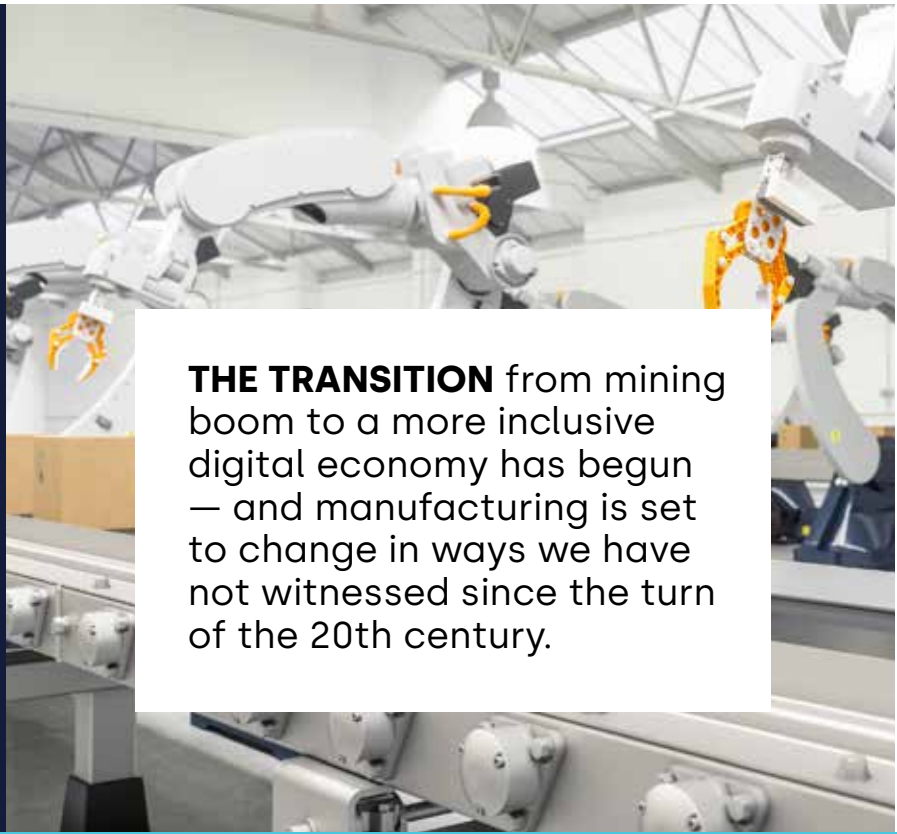
facts@microfact.com.au
www.microfact.com.au

MICROFACTORIES AUSTRALIA
SMALL, BUT PERFECTLY FORMED



MICRO
FACTORIES
AUSTRALIA

MICROFACTS SHEET - 2



THE TRANSITION from mining boom to a more inclusive digital economy has begun — and manufacturing is set to change in ways we have not witnessed since the turn of the 20th century.

WE EVOLVE ► DESIGN ► PROJECT MANAGE ► CONSTRUCT MICROFACTORIES

The advance in robotics and automation, nanomaterials and big data, together with artificial intelligence and machine learning, means that manufacturing requires more than a 'business as usual' approach. It requires the transformation of our entire industrial structure.

Through automation, augmented reality software, laser cutting, online workflows and 3D printing, we make it possible for **SME manufacturers** to change the way they work and deliver their products to market: designing and delivering bespoke **MICROFACTORIES** that are unique to each individual client and industry base — each future proofed and ready today.

The COVID-19 global pandemic, as well as trade challenges between China and Australia and the United States, have provided real-time tests of manufacturing resilience across the world. While some businesses and sectors have adapted quickly to changes in the dynamic, others have seen their performance negatively impacted.

Our MICROFACTORIES will spur the development of what we call a **localised, onshore manufacturing capability**. Our **business strategy** also aligns with government initiatives to build a more sustainable manufacturing base, where **SMEs pool their talents** and capabilities to support larger, more established mega-manufacturers across our key target sectors.

MICROFACTORIES AUSTRALIA provide the perfect base from which to **grow and expand Australia's smart industry capacity** and automated manufacturing capability. Our approach **will see us address a substantial gap in the market** and help SMEs across our target sectors not only grow their business but also expand their market presence through having as their base a **future-proofed facility that is digital ready now**.

For more information contact
MICROFACTORIES AUSTRALIA:

facts@microfact.com.au
www.microfact.com.au

MICROFACTORIES AUSTRALIA
SMALL, BUT PERFECTLY FORMED



MICRO
FACTORIES
AUSTRALIA

MICROFACTS SHEET - 3

Unlike conventional mega-manufacturing plants that may take two years to be operational, our **MICROFACTORIES** can be built from scratch, running, and revenue producing in as little as six months.

WE EVOLVE ►► DESIGN ►► PROJECT MANAGE ►► CONSTRUCT MICROFACTORIES

Modular units and designs allow for immediate customisation, including expansion or retraction according to client requirements and product demand. Our design and construction teams guide our clients through the complete delivery process: whether this be a greenfield build, or a brownfield redevelopment.

Our experienced project managers, design managers and construction managers then work hand-in-hand with our clients and developers to deliver the exact requirements for your MICROFACTORIES AUSTRALIA facility. Additionally, our leadership team engage with local industry and supply chain representatives to provide a collaboration foundation for manufacturers

and help ensure an easy pathway into the local community and manufacturing base.

With a maximum GFA of 10,000m² **MICROFACTORIES** have the potential to rejuvenate the manufacturing industry in Australia. Our facilities enable manufactures to no longer seek out cheaper labour costs abroad and prevent production opportunities being offshored: reducing emissions tied to the supply and transportation of products, with the factories themselves also having a minimal environmental impact and footprint.

MICROFACTORIES are more than just eco-friendly. Our team focuses on environmental sustainability at all stages of the production process and supply chain, as well as looking to the greenfield renewable energy sector and its associated new business opportunities to further enhance sustainability of product delivery.

MICROFACTORIES AUSTRALIA's designs underpin a manufacturing future that will bring production closer to the point of use, reduce supply chain size and inefficiency, and, in the long run, create more manufacturing jobs for communities across the country.

This is the future. And right now, we're here.

For more information contact
MICROFACTORIES AUSTRALIA:

facts@microfact.com.au
www.microfact.com.au

MICROFACTORIES AUSTRALIA
SMALL, BUT PERFECTLY FORMED

MICROFACTS SHEET - 4

Our objective is to work closely with select industry sectors that are crucial to the delivery of a strong, resilient, high-quality and sustainable manufacturing base in Australia — helping to create jobs, drive innovation and enhance the competitiveness of Australian businesses. Our strategy will see us focus on five key target markets:

We are the industry partner to lead and support SME transition from current state mass production to future state in-demand manufacturing.

SPACE

MICROFACTORIES AUSTRALIA

is ready to work with State and Federal Government agencies and the private sector to help **support a globally recognised Australian space sector** with the capability, capacity and expertise to **locally design, develop, manufacture and deploy** specialised products, equipment, systems and services for exporting to international markets and to support national and international space missions.

DEFENCE

Supporting the mission readiness, capacity and operability of the Australian Defence Force is critical to Australia's sovereign integrity.

MICROFACTORIES AUSTRALIA

will partner with both industry and government to help enable a larger number of SME defence businesses secure long-term supplier relationships, **contribute to and sustain Defence capability, and engage with small businesses**. We are focused on providing a tailored approach to manufacturers to deliver product-focused facilities that **enable a greater manufacturing capability and increased participation** in defence supply chains by Australian businesses.

HEALTHCARE

Critical to healthcare and medical product manufacturing is collaboration: an essential ingredient of **our mindset** and a **critical differentiator in our offering**. Our approach will see us help create a manufacturing DNA that brings together complimentary companies with a strong, available and supportive local supply chain. To upscale medical product manufacturing, **MICROFACTORIES AUSTRALIA** will work closely with industry partners to establish the conditions required to make collaboration effective and easy for vibrant manufacturing ecosystems to develop.

RESOURCES & MINING

Resources technology is a manufacturing area with untapped potential. To build capability and scale, industry must embrace innovation, and processes and practices including automation and digital operations. By partnering with **MICROFACTORIES AUSTRALIA** resources technology companies will have the capacity and R&D facilities to quickly validate their business case and gain customer

confidence. Industry feedback suggests that test facilities can reduce the development to commercialisation cycle from 10-15 years down to 12-18 months. With higher certainty on investment decisions this translates to a dramatically faster return on investment.

WASTE RECYCLING & CLEAN ENERGY

MICROFACTORIES AUSTRALIA is at the forefront of supporting Australia's transformation from a **throughput economy** — where manufacturers rely on raw material or virgin inputs to develop products and generate waste as a result — to a **circular economy**, where materials are reduced, recycled and remanufactured. The step-change needed to design and construct manufacturing bases where this productivity change can occur is what differentiates **MICROFACTORIES AUSTRALIA's** business model.

We are not building factories for today: we are building sustainable manufacturing communities that will stand the test of time.