

NATIONAL MANUFACTURING SUMMIT 2024

PATHWAYS TO SUCCESS

Making the Renewable Energy Revolution a Reality

31 JULY & 1 AUGUST | AMORA HOTEL, BRISBANE

PROGRAM



ABOUT THE SUMMIT

Hosted by Weld Australia, the 2024 National Manufacturing Summit will see a diverse group of industry stakeholders assemble in Brisbane on 31 July and 1 August.

The Summit gathers leading representatives from all the major stakeholders in Australia's manufacturing sector—business, unions, universities, the financial sector, suppliers, and government—to discuss the sector's prospects, and identify promising, pragmatic policy measures designed to support industry.

With the theme of Pathways to Success...Making the Renewable Energy Revolution a Reality, the Summit will delve into the practical aspects of manufacturing in the renewable energy sector, highlighting the essential components that will drive Australia's transition to a sustainable future.



PATHWAYS TO SUCCESS

Making the Renewable Energy Revolution a Reality

CONTEXT

The Australian Government's commitment to reducing emissions by 43% by 2030 and achieving net zero by 2050, as outlined in the Climate Change Act 2022, sets the stage for a transformative era in renewable energy.

With an anticipated growth in renewable energy generation from 64GW to over 218GW by 2050, the manufacturing sector is at the forefront of this change, presented with unparalleled opportunities and significant challenges.

FOCUS AREAS

The 2024 Summit will concentrate on four focus areas that are crucial for realising these ambitious goals.

Stakeholders: A collaborative approach is vital; achieving a social license from the key interest groups of conservationists, farmers, unions, and planning departments is essential to realising our renewable energy goals. The Summit will explore how different stakeholders can work together to drive the renewable energy sector forward.

Logistics: The massive scale of infrastructure development demands a meticulous logistics strategy. Discussions will revolve around efficient resource allocation, transportation challenges, and supply chain optimisation specific to manufacturing Australia's renewable energy future.

Workforce Capacity: Recognising that a skilled workforce is the backbone of successful manufacturing, this focus area will address the growing demand for skilled professionals, particularly in welding and other technical fields. We will explore strategies for workforce development, training programs, and the integration of new technologies to improve productivity.

Policy: Robust policy frameworks are essential for guiding and supporting the renewable energy sector. This segment will focus on current policies, potential legislative changes, and the role of policy in facilitating a smooth transition to renewable energy.

WELCOME

I am delighted to welcome you to the 2024 National Manufacturing Summit. The theme of the Summit is *Pathways to Success: Making the Renewable Energy Revolution a Reality*.

By uniting industry leaders from both the manufacturing and energy sectors, the Summit aims to leverage the opportunities presented by the renewable energy revolution, and translate these into action.

The Summit will foster collaboration, drive innovation, and facilitate the exchange of knowledge, empowering sustainable growth and technological advancements in these interconnected industries.

I would like to take this opportunity to thank all our sponsors, without whom the 2024 National Manufacturing Summit would not have been possible.

Our sponsors include the Australian Government's Department of Industry, Science and Resources, BlueScope, the Centre for Future Work, the Queensland Government's Department of Regional Development, Manufacturing and Water, and Standards Australia.

I would also like to thank all our speakers, and everyone who has contributed to our program.

I hope you enjoy the Summit.

Geoff Crittenden

CEO, Weld Australia



SUMMIT APP: EVENTEE

The Eventee app will be used during the Summit to facilitate live Q&A and provide networking opportunities.

Simply scan the QR code opposite to access the app.

Alternatively, you can use this link to preview the event and download the Eventee app:
<https://eventee.co/event/22490>

You will then need to complete your name, email, and create a password.

We encourage you to create your profile in the Eventee app before the Summit commences, so you can briefly introduce yourself to other attendees.

Help for using the Eventee app is available via: <https://help.eventee.co/collection/154-attendee-guide>



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the Eventee app

PROGRAM



WEDNESDAY 31 JULY		
Registration and coffee (8:00am to 8:40am)		
WELCOME		
8:40am	Geoff Crittenden	CEO, Weld Australia
8:45am	MC Ellen Fanning	Journalist and Host of ABC TV's <i>The Drum</i>
8:50am	Queensland Premier, the Hon Steven Miles MP	
9:00am	The Hon Tim Ayres, Federal Assistant Minister for Trade and Manufacturing	
SESSION 1: GETTING IT DONE		
9:10am	Charlie Joyce	Researcher, Carmichael Centre & Centre for Future Work
9:30am	Simon Kuestenmacher	Co-Founder, The Demographics Group
10:00am	Q&A	
Morning Tea (10:20am to 10:50am)		
SESSION 2: GLOBAL OUTLOOK		
10:50am	Elizabeth Thurbon	Professor of International Political Economy, University of NSW
11:10am	Koen De Backer	International Expert in Public Policy
11:30am	Georges Antoun	Chief Commercial Officer, First Solar
12:00 noon	Q&A	
Lunch (12:20pm to 1:20pm)		
SESSION 3: THE AUSTRALIA CAPABILITY		
1:20pm	Tania Archibald	Chief Executive Australian Steel Products, BlueScope
1:40pm	Vesna Olles	Director of Strategy, Clean Energy, BOC
2:00pm	Dr Philip Toner	Honorary Senior Research Fellow, University of NSW
2:20pm	Emeritus Prof Dr Roy Green	University of Technology Sydney
2:40pm	Q&A	
Afternoon tea (3:00pm to 3:30pm)		

DINNER		
Registration and pre-dinner drinks (6:00pm to 6:30pm)		
6:30pm	Dinner commences	
7:30pm	The Hon Glenn Butcher	Queensland Minister for Regional Development and Manufacturing and Minister for Water
10:00pm	Dinner concludes	

Please note: the Program is subject to change.

THURSDAY 1 AUGUST

WELCOME

8:30am	MC Ellen Fanning	Journalist and Host of ABC TV's <i>The Drum</i>
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SESSION 4: THE QUEENSLAND EXPERIENCE

8:35am	Linda Dobe	Director General, Queensland Department of Regional Development, Manufacturing and Water
8:55am	Peter Ong	Queensland State Secretary, Electrical Trades Union Australia
9:25am	Professor Cori Stewart	CEO, ARM Hub
9:45am	Q&A	

Morning Tea (10:05am to 10:30am)

SESSION 5: THE SOCIAL LICENSE

10:30am	Michele O'Neil	National President, ACTU
11:00am	Natalie Collard	CEO, Farmers for Climate Action
11:30am	Q&A	

Lunch (12:00pm to 1:00pm)

SESSION 6: THE TECHNICAL FRAMEWORK

1:00pm	Monique English	Engagement Manager, Standards Australia
1:20pm	Bill Mundy	Consultant, B Mundy & Associates
1:40pm	Q&A	

SESSION 7: CALL TO ACTION

2:00pm	Action Plan Breakout Session
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Afternoon tea (3:00pm to 3:30pm)

SESSION 8: CLOSE

3:30pm	Action Plan Summary	
4:00pm	Geoff Crittenden	CEO, Weld Australia
4:30pm	Conference Close	

Please note the Program is subject to change.

SPEAKERS



TANIA ARCHIBALD
CHIEF EXECUTIVE AUSTRALIAN
STEEL PRODUCTS, BLUESCOPE

Tania was appointed Chief Executive Australian Steel Products in 2023. Prior to that, Tania was Chief Financial Officer for five years. Tania leads all major operations in Australia including the Company's key operations at Port Kembla (NSW) and Western Port (VIC). She joined the Executive Leadership Team in 2016 with responsibility for the optimisation of investment returns from BlueScope's global coated products assets, in addition to her role as Chief Financial Officer, BlueScope ANZ, which she held from May 2015.

Tania has also held the positions of Vice President, Corporate Finance and Strategy, Vice President, Strategy and Business Development, and finance leadership roles in Vietnam and Indonesia.



GEORGES ANTOUN
CHIEF COMMERCIAL OFFICER,
FIRST SOLAR

Georges Antoun was appointed Chief Commercial Officer in 2016. He joined First Solar in July 2012 as Chief Operating Officer before being appointed as President, US in July 2015. Georges has over 30 years of operational and technical experience, including leadership positions at several global technology companies.

Prior to joining First Solar, Georges held senior roles at Venture Partner at Technology Crossover Ventures (TCV), a private equity and venture firm; Head of Product Area IP & Broadband Networks for Ericsson; Redback Networks, a telecommunications equipment company, where Georges served as the Senior Vice President of World Wide Sales & Operations; Cisco Systems, where he served as Vice President of Worldwide Systems Engineering and Field Marketing, Vice President of Worldwide Optical Operations, and Vice President of Carrier Sales; and Newbridge Networks, where he was the Director of Systems Engineering.



TIM AYRES
ASSISTANT MINISTER FOR TRADE
AND MANUFACTURING

Tim Ayres was elected as a Senator for New South Wales in the 2019 election. During the 46th Parliament, he was Chair of the Senate Standing Committee on Finance and Public Administration and Member of the Foreign Affairs, Defence and Trade Joint Standing Committee. He led the work of several Select Inquiries including a Senate report on the capability of the Australian Public Service.

He was appointed as Assistant Minister for Trade and Assistant Minister for Manufacturing in June 2022, after the election of the Labor Government led by Prime Minister Anthony Albanese.

Before entering Parliament, Tim spent twenty-four years in the trade union movement, representing the interests of workers across a variety of sectors including manufacturing, defence, food processing, aviation and metal industries. He held several elected leadership roles in the Australian Manufacturing Workers' Union. He has been a long-standing member of the Australian Labor Party's National Executive.



GLENN BUTCHER
QUEENSLAND MINISTER FOR
REGIONAL DEVELOPMENT AND
MANUFACTURING

After finishing school, Glenn began an apprenticeship at the Gladstone Power Station as a Fitter and Turner. Upon completing his trade, he went to work at Queensland Alumina Limited where he spent 21 years working his way through various positions, including as a tradesman and mechanical supervisor. Glenn was promoted to the position of maintenance superintendent. Over the years, he has felt that Gladstone was missing out on its fair share of infrastructure investments and funding. He joined the Labor party in 2010, with a view to run for office. In 2015 Glenn was elected to the State Parliament and since that time his parliamentary roles have included being a member of the Infrastructure Planning and Natural Resources Committee, Chair of the Agriculture and Environment Committee, Assistant Minister for Treasury, Assistant Minister for Transport and Infrastructure and Assistant Minister for Local Government and Infrastructure. Glenn currently holds the portfolios of Minister for Regional Development and Manufacturing and Minister for Water.



KOEN DE BACKER
INTERNATIONAL EXPERT IN
PUBLIC POLICY

Koen De Backer is results-driven leader who combines policy analysis, data development and analytics, executive management, operational responsibilities and stakeholder management. Koen has extensive experience in evidence-based economic research and strategic policy advice on industry, competitiveness, economic globalisation, innovation, and productivity.

His previous roles include Executive Director Strategy and Analysis at Investment New South Wales, Associate Director Economic Research at NSW Investment, and Head Of the Structural and Industry Policy Division at the Organisation for Economic Co-operation and Development (OECD) where he led the activities of the Steel Committee and the Council Working Party on Shipbuilding.



NATALIE COLLARD
CHIEF EXECUTIVE OFFICER,
FARMERS FOR CLIMATE ACTION

Natalie Collard is the CEO for Farmers for Climate Action. She is a highly regarded advocate for regional Australia, agriculture, renewable energy, innovation and women's leadership.

Natalie was awarded Telstra Business Woman of The Year (2013) for her transformation of Australian Dairy Farmers Ltd, and International Woman of Renewables of the Year for her work as the Chair of Women in Renewables(Australia) and as EGM Industry Development at the Clean Energy Council. Her non-executive experience includes Landcare Australia Ltd, Agsafe Ltd and the Victorian Government Agriculture Energy Investment Plan Independent Advisory Council and she is a current member of Powercor Customer Advisory Group.

SPEAKERS



GEOFF CRITTENDEN
CHIEF EXECUTIVE OFFICER,
WELD AUSTRALIA

Geoff is a chartered engineer with over 30 years' experience and a diverse background that includes CEO and senior leadership roles in the not-for-profit, consulting, engineering and healthcare industries. Geoff started his career as an engineer in the British Army, serving for over 15 years.

Following the fall of the Soviet Union, Geoff decided upon a career change and, with his family, immigrated to Australia. Geoff's first role in Australia was CEO of the Association of Consulting Engineers, after which he held senior leadership positions with Transfield Worley, Cynergy Group, and the Risk Management Institute.

Geoff joined the Weld Australia team in 2014 as Chief Executive Officer and Executive Director. Geoff is a graduate of the Royal Military Academy Sandhurst and the British Army Staff College. Geoff holds a Bachelor of Science (Hons) in Mechanical Engineering and is an IIW International Welding Engineer (IWE).



LINDA DOBE
DIRECTOR GENERAL,
QUEENSLAND DEPARTMENT
OF REGIONAL DEVELOPMENT,
MANUFACTURING AND WATER

Linda is an experienced and highly regarded senior executive with more than 30 years of public-sector and private-sector experience across water, lands, mining and education. As DRDMW's Director-General, she is proud to lead more than 700 staff delivering vital services to Queensland communities across the state. Departmental achievements under her leadership include the delivery of Rookwood Weir (Australia's largest bulk water infrastructure project in more than a decade); the launch of the first ever Women in Manufacturing Strategy; effective responses to natural disasters such as floods and cyclones; and progression of other important initiatives, including urban water security projects across regional Queensland. Linda is known for her strategic leadership, her focus on outcomes, and her willingness to genuinely listen and engage with stakeholders and community members. Linda began her career as one of the first female exploration geologists working in the remote Pilbara region of Western Australia.



MONIQUE ENGLISH
ENGAGEMENT MANAGER,
STANDARDS AUSTRALIA

Monique English is the Engagement Manager at Standards Australia in the Manufacturing and Agriculture sectors. Monique started with the organisation in 2021 after a 20-year career in stakeholder management, project management and business administration.

Monique is passionate about engaging with industry and learning where standards can play a pivotal role in resolving challenges and supporting innovation.



ELLEN FANNING
JOURNALIST AND HOST OF ABC
TV'S *THE DRUM*

Ellen Fanning is the host of ABC TV's *The Drum*, a nightly national current affairs program that draws Australians for diverse backgrounds into a discussion about national issues. An award winning journalist, Ellen served as the ABC's Washington correspondent and has been a reporter for the Nine Network's *60 Minutes* and *Sunday* programs, and was a columnist on legendary *The Bulletin* magazine.

At 24, Ellen Fanning broke new ground, becoming the first woman to host one of ABC Radio's national current affairs programs. Two years at the helm of *PM* were followed by several years anchoring *AM* on ABC Radio and serving as occasional host of ABC TV's *7.30 Report*.



DR ROY GREEN
PROFESSOR, UNIVERSITY OF
TECHNOLOGY SYDNEY

Roy is Emeritus Professor and Special Innovation Advisor at the University of Technology Sydney, where he was Dean of the UTS Business School. Roy has enjoyed a career in universities, government and industry, and has undertaken a range of projects on innovation and industrial policy, including with the OECD and European Commission.

At various times, he chaired the CSIRO Manufacturing Sector Advisory Council, the Enterprise Connect Innovative Regions Centre, the Queensland Competition Authority and the NSW Manufacturing Council. Currently, he chairs the Advanced Robotics for Manufacturing (ARM) Hub and the Port of Newcastle, and he is a board director of CSIRO and SmartSat CRC.



CHARLIE JOYCE
RESEARCHER, CENTRE FOR
FUTURE WORK

Charlie Joyce is a Researcher at Carmichael Centre in the Australia Institute's Centre for Future Work. He was previously employed as an Anne Kantor Fellow in 2023.

Charlie has a Bachelor of Arts (Honours) in Politics and International Studies from the University of Melbourne. His interests include industrial policy, labour rights, social policy, and geopolitics.

SPEAKERS



SIMON KUESTENMACHER
CO-FOUNDER, THE
DEMOGRAPHICS GROUP

Simon Kuestenmacher is a Director and Co-founder of The Demographics Group based in Melbourne, Australia.

Simon holds degrees in geography from leading universities in Berlin and Melbourne and worked for several years as a business consultant with KPMG Australia.

In 2017 Simon, with Bernard Salt, co-founded The Demographics Group. The group provides specialist advice on demographic, consumer and social trends for business.

Simon is a columnist for The New Daily newspaper and a contributor to The Australian newspaper and he is a media commentator on demographic and data matters.



STEVEN MILES
PREMIER OF QUEENSLAND

Growing up in Brisbane, the son of a fitter at Golden Circle cannery and a work place health and safety inspector, Steven Miles is the Member for Murrumba and Queensland Premier.

Steven ran for Parliament in 2015, and since then has been part of the Labor team that has restored the frontline workers sacked by the LNP. As Environment Minister, Steven introduced the widely successful containers for change program before becoming Minister for Health and Ambulance Services in 2017, where he oversaw record investments in our health system across the state. As Deputy Premier and Health Minister during the Covid-19 Pandemic, he played a vital role in keeping Queenslanders safe and our economy strong, always putting the lives and livelihoods of Queenslanders first.

A Miles Labor government will deliver cost of living relief, continue to make record investments in frontline health services, continue working on the energy transition, a safer climate for Queenslanders and deliver more housing.



BILL MUNDY
CONSULTANT, B MUNDY AND
ASSOCIATES

Bill recently left Federation University where he led the Asia Pacific Renewable Energy Training Centre project. Over the last seven years, this project has been recognised as the premier response mechanism to the workforce demand needs for the wind energy sector, both on and offshore and recently established his own consultancy supporting the energy sector.

With a commercial background in telecommunications, IT, HR, and a variety of other sectors Bill brings a strong commercial approach to the work he does. As a past Board Member of the Committee for Ballarat, Bill now chairs the Committee's BEN initiative which aims to develop a DER response for the Ballarat community. With a focus on building meaningful win-win relationships, Bill has an extensive network of contacts across the wind energy and energy sector in general, government and supply chain partners supporting the sector.



VESNA OLLES
**DIRECTOR OF STRATEGY &
CLEAN ENERGY, BOC**

Vesna joined BOC in 1997 and was appointed as Director, Strategy and Clean Energy in 2019. Over the last six years Vesna has been accountable for the clean energy business, including project commercialisation for projects ranging in value up to \$1.4 billion.

Prior to this role, Vesna held various senior roles across the sales and marketing functions at BOC including General Manager Industrial Marketing; and General Manager Channels.

Before she joined BOC, Vesna held general manager, sales and engineering roles including as General Manager for Tradelink NSW/ACT, Business Analytics at Boral and Sales and Applications Engineer at Nalco (now EcoLab).

Vesna holds a Degree in Chemical Engineering and a Masters in Commerce from the University of New South Wales.



PETER ONG
**QUEENSLAND STATE SECRETARY,
ELECTRICAL TRADES UNION**

Peter Ong started his time in 1986 in the oil and gas industry as a 15-year-old apprentice Electrician on the North West Shelf and went on to work around Australia, Indonesia and New Guinea in the Oil and Gas and mining sector.

In 2000 he started working as an organiser for the Electrical Trades Union, he has held the position of Assistant Secretary and now Secretary for the Queensland and Northern Territory Branch and is the National President of the Electrical Trades Union Australia.



MICHELE O'NEIL
**PRESIDENT, AUSTRALIAN
COUNCIL OF TRADE UNIONS**

Michele is the President of the Australian Council of Trade Unions. She began her working life as a waitress, went on to work in the community sector with homeless young people and to then work in the clothing industry.

Before being elected as ACTU President in 2018, Michele represented workers in the textile, clothing and footwear industry as an organiser and then Branch and National Secretary of the TCFUA (Textile Clothing and Footwear Union of Australia).

She represented her union nationally and internationally and led campaigns to win world leading rights for workers throughout clothing supply chains, which increased pay and conditions for some of Australia's most exploited workers. Following the amalgamation of the TCFUA and the CFMEU, Michele was CFMEU Vice President.

SPEAKERS



CORI STEWART
FOUNDER & CEO, ARM HUB

Professor Cori Stewart is a skilled and versatile science and technology commercialisation leader, who works in executive and advisor roles across industry, government, and the research sector. She is passionate about driving impact through university and industry collaboration and building strategic and trusted collaborations in Australia and across the globe.

As the Founder and CEO of the Advanced Robotics for Manufacturing (ARM) Hub, Cori has built an Australian-first not-for-profit technology commercialisation company. ARM Hub has nurtured hundreds of businesses to validate, commercialise and modernise using cutting-edge technologies, design thinking, new IP and workforce development strategies in defence, energy, medical, resources, agriculture sectors and more. Cori is a member of the Australian Government's Industry Innovation Science Australia Board and is currently one of Australia's 2023 & 2024 'Superstars of STEM' where she lifts the profile of women and science in our communities.



ELIZABETH THURBON
PROFESSOR, UNIVERSITY
OF NSW

Elizabeth's research examines the strategic role of the state in the green energy shift, with a special focus on the role of the state in Northeast Asia and Australia. She has written widely on these topics for academic and popular audiences. Her most recent co-authored book *Developmental Environmentalism* (Oxford University Press, 2023) provides the first comprehensive account of East Asia's green energy shift and its geo-economic and geo-strategic implications for Australia and the globe.

Elizabeth is currently a Chief Investigator on three major collaborative grants: an Australian Research Council Discovery Project examining East Asia's Clean Energy Transition, an Academy of Korean Studies Laboratory Project Grant examining Korea's past, present and future economic development trajectory, and an Australian Department of Defence Strategic Policy Grant examining Weaponised Trade and its implications for Australia.



PHILIP TONER
HONORARY SENIOR RESEARCH
FELLOW, UNIVERSITY OF NSW

Prior to commencing an academic career Phillip worked in labour market and economic research for the federal government including an agency of Federal Treasury. He gained his PhD in Political Economy at the University of Sydney in 1997. The thesis was on the role of manufacturing industry in economic development.

After working for four years in economic consulting he was appointed a Senior Research Fellow in the Centre for Industry and Innovation Studies, University of Western Sydney in 2002. He was responsible, singly or jointly with other researchers at the Centre, for winning and completing \$2.068m in competitive research grants.

In 2012 he moved to the University of Sydney as an Honorary Senior Research Fellow in the Department of Political Economy. His research interests include industrial structure analysis and industry policy; the economics of technical change; national vocational skills formation systems and labour market analysis.

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The Department of Industry, Science and Resources supports a productive, resilient, and sustainable economy that is enriched by science and technology. It does this by growing innovative and competitive businesses, industries and regions, investing in science and technology and supporting a strong resources sector.

For further information, visit:
industry.gov.au



BLUESCOPE

BlueScope is a provider of innovative steel materials, products, systems, and technologies, headquartered in Australia with operations spread across North America, Australia, New Zealand, Pacific Islands and throughout Asia.

They are one of the world's leading manufacturers of steel products, and with their strong expertise in steel they provide vital components for houses, buildings, infrastructure, automotive and more. Their global networks are another great strength at BlueScope. With more than 160 operations and sales offices across 18 countries, BlueScope employs over 15,000 people and serve thousands of customers every day.

BlueScope produces XLERPLATE® steel and REDCOR® weathering steel for structural steel applications. When used in the appropriate environment designed and detailed correctly, REDCOR® weathering steel has the potential to improve the asset's service life as well as deliver lower construction and ongoing maintenance costs compared with conventional structural steels, making it an attractive design consideration.

For further information, visit:
bluescope.com



THE AUSTRALIA INSTITUTE'S CENTRE FOR FUTURE WORK

The Centre for Future Work is an initiative of the Australia Institute, to conduct and publish progressive economic research on work, employment, and labour markets.

It serves as a unique centre of excellence on the economic issues facing working people, including the future of jobs, wages and income distribution, skills and training, sector and industry policies, globalisation, the role of government, public services, and more.

The Centre develops timely and practical policy proposals to help make the world of work better for working people and their families.

For further information, visit:
futurework.org.au



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Centre for Future
Work's website



**Queensland
Government**

QUEENSLAND GOVERNMENT DEPARTMENT OF REGIONAL DEVELOPMENT, MANUFACTURING AND WATER

The Queensland Government is committed to supporting the state's innovative manufacturing industry which employs around 180,000 Queenslanders and contributes more than \$20 billion each year to the Queensland economy. The sector is especially vital in Queensland's regions with more than 40,000 people employed by regional manufacturing firms.

Queensland offers some of the world's best manufacturing opportunities in different industries like agriculture, aerospace, rail, renewables, advanced manufacturing, health and biomedical, and infrastructure.

That's why the Queensland Government is committed to providing tailored strategies and grant programs to support and position Queensland's manufacturing industry to grow and diversify the economy and create manufacturing jobs of the future.

For further information, visit:
rdmw.qld.gov.au/manufacturing



Scan the QR
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Department's
website



STANDARDS AUSTRALIA

Standards Australia is the nation's peak non government, not-for-profit standards organisation. As representatives of the International Organization for Standardization (ISO) and International Electrotechnical Commission (IEC), they are also specialists in the development and adoption of internationally-aligned standards in Australia.

For every new standard, Standards Australia bring together key parties and stakeholders to form a technical committee. These committees collaborate to develop standards, which are of value to Australia, its businesses, and its people. The benefits of our work are clear; with stronger standards in place, Australia can enjoy greater economic efficiency and increased prominence on the international stage. Robust standards also help support our local communities by building a safer, more sustainable environment. Although we develop standards, we are not responsible for enforcing, regulating or certifying compliance with those standards.

For further information, visit:
standards.org.au



Scan the QR
code to visit
Standards
Australia's website



Australian Government
Department of Industry,
Science and Resources

The **National Battery Strategy** aims to help Australia become a global leader in renewable energy

The strategy outlines priorities and opportunities to grow a thriving local battery industry.

Our key priorities are:

- Build battery manufacturing capabilities in ways that strengthen economic resilience, leverage Australia's comparative advantages and add value to our economy.
- Build knowledge and skills to create secure Australian-made jobs.
- Secure Australia's place in global battery supply chains.
- Lead the world on sustainability, standards and the circular economy.
- Bring all levels of government together.

New measures from the 2024–25 Budget include:

- \$523.2 million for **Battery Breakthrough**.
- \$20.3 million for **Building Future Battery Capabilities**.
- \$1.7 billion for the **Future Made in Australia Innovation Fund**.

Learn more:

industry.gov.au/NationalBatteryStrategy





Australian Government
Department of Industry,
Science and Resources

Are you planning or in the early stages of a major project with:

Capital expenditure over \$500m?

Your project may have to comply with requirements, under the *Australian Jobs Act 2013* (Jobs Act).

The **Australian Industry Participation Authority** can help you comply with the Jobs Act requirements to ensure Australian industry has opportunities to compete for work in major public and private sector projects in Australia.

Capital expenditure over \$20m?

Project developers can get help navigating regulatory approvals through the **Major Projects Facilitation Agency**.

To find out more about your requirements, or how we can support your project, visit:

| industry.gov.au/major-projects-and-procurement





BlueScope

BlueScope seeks to be a solutions partner

Supporting and enabling industry to build capability and capacity across renewable energy supply chains



Xlerplate[®]



Waubra, Victoria, wind farm towers manufactured by Crisp Bros. & Haywards and Keppel Prince Engineering (Picture courtesy of ACCIONA Energia)

BlueScope's Renewable Energy Supply Chains Vision



Solar farm torque tubes manufactured at Orcon Steel
(Picture courtesy of Orcon Steel)

BlueScope sees a strong future for steel continuing to provide a critical foundation for a modern economy and enabling the transition to a low emissions future. The renewable energy transition will be underpinned by steel intensive wind towers, solar farms and energy infrastructure creating a once in a generation opportunity for nation building, new jobs, and long-term economic benefits if local supply chains can be enacted. BlueScope is making significant investments in this area, including upgrading the Port Kembla plate mill to supply into wind towers and transmission infrastructure.

BlueScope is ambitious for Australian industry to develop the manufacturing capability to participate in the energy transition. To unlock this opportunity for domestic industry, the company is continuing to advocate and support the establishment of modern domestic manufacturing capabilities across Australia. Industry will succeed in delivering these new capabilities through partnerships and collaboration together and with communities.

BlueScope seeks to be a solutions partner, supporting and enabling industry to build capability and capacity across renewable energy supply chains. There has been great leadership from Australian fabricators with investments in processing capability for supply of solar torque tubes, roll formed piles, pressed components for large scale solar farms and locally made anchor cages for wind towers. However, all this needs to be achieved with social license, with local communities engaged and realising the benefits that local supply chains offer.

There is so much to be gained from investment in sovereign manufacturing to support the energy

transition. Oxford Economics estimates that for every \$1 million invested in local steel supply steel chains, the economic multiplier effect drives an additional \$2.8 million in economic output and the employment of five new workers directly in the steel industry and indirectly across related industries.¹

The other side of the renewable's opportunity is the technology challenge in decarbonising the steel making process. The approach to decarbonising BlueScope's Australian business has firmed into two parallel workstreams.

Firstly, by optimising the existing processes. For example, taking scrap consumption above 25% which is world leading performance and looking to go further. In addition, trials have been conducted using biocarbon as a replacement for a proportion of coal used in the blast furnace.

The second workstream is looking to the technology changes and the key enablers necessary to achieve net zero emissions by 2050. Direct Reduced Iron, (DRI), offers the most prospective pathway to decarbonise steelmaking. In the DRI process, natural gas (and ultimately green hydrogen) replaces coal. Natural gas based DRI could reduce emissions by around 60%, while green hydrogen based DRI could bring BlueScope closer towards net zero.

The future of Australian steelmaking and fabrication for renewables is strong, and BlueScope is delighted to partner with industry in driving this.

1. Oxford Economics Report: Benefits of Government Local Steel Content Procurement Program, November 2021



Queensland
Government

September is
**QUEENSLAND
MANUFACTURING
MONTH**
**YOU CAN MAKE
IT HERE.**



Throughout Queensland
Manufacturing Month, we're
celebrating the things that make our
manufacturers great, and the great
things our manufacturers make.



Find out how the
Queensland Government is
backing our manufacturing
industry to succeed

Queensland is the place to be for manufacturing.

Queensland's manufacturing industry is experiencing substantial growth, and the Queensland Government is committed to giving local manufacturing businesses the tools, skills and funding they need to grow, diversify and create good, secure manufacturing jobs.

Queensland Manufacturing Month showcases just why Queensland is the best place to invest in manufacturing.

As part of this month-long celebration, the Queensland Government proudly shines a light on innovative and diverse Queensland manufacturers from across the state and their incredible contributions to their local communities and to our state's economy.

At the Inside Advanced Manufacturing Showcase from 2–15 September, manufacturers will open their doors to offer guests a behind the scenes, expert guided tour of their advanced manufacturing facilities.

These tours offer an unprecedented inside look at the successful Queensland manufacturers who have transitioned to advanced manufacturing to streamline their businesses, reduce costs and create jobs.

More than 30 innovative manufacturers will also be demonstrating their products and capabilities at the prestigious Queensland Parliament House Showcase on 9 September.

The showcase provides a unique opportunity to network with manufacturers from all over the state in the surrounds of Queensland's Parliament House.

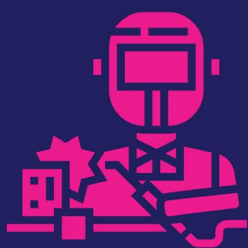
Queensland offers some of the world's best manufacturing opportunities in different industries like agriculture, aerospace, rail, renewables, advanced manufacturing, health and biomedical, and infrastructure.

That's why we're committed to providing tailored strategies and grant programs to support and position Queensland's manufacturing industry to grow and diversify the economy and create manufacturing jobs of the future.



SECURING THE FUTURE OF AUSTRALIA'S WELDING INDUSTRY

WELD AUSTRALIA'S VALUE PROPOSITION



Weld Australia is the peak industry body, representing the welding profession in Australia.



Our members include individuals and companies across every facet of Australian industry, making a significant contribution to the economy.



Weld Australia is the Australian representative member of the International Institute of Welding (IIW).



Our Mission is to be the leader in facilitating growth of world class welding in Australia.



Our Vision is to enable industry to access leading edge technologies through technology transfer, education and certification opportunities.

HOW WE CAN HELP

Expert Engineering Services: Our team of IWEs can help with the development of welding procedures, welding inspection, supervision and engineering, expert opinion and automation.

Premier Welding Training & Qualification: Our comprehensive range of training and qualification services help welders, fabrication companies and the industrial sector achieve and maintain a competitive advantage.

Company & Individual Certification: We can help your company gain and maintain certification to: AS/NZS ISO 3834, EN 15085, DIN 2303, AS/NZS ISO 9001, AS/NZS ISO 14001, AS/NZS ISO 45001.

JOIN WELD AUSTRALIA TODAY

Weld Australia membership is an investment in the success of your career or the success of your business. We can help you increase your income, decrease your costs and give you a competitive advantage over companies or people who aren't members. A Weld Australia membership delivers:

- Community and networking opportunities
- Widespread credibility and visibility in the industrial sector
- Career opportunities and professional development
- Industry insights and knowledge sharing
- Expert help and technical advice
- Access to a wide range of Technical and Guidance Notes
- Discounted rates on Weld Australia events, seminars, professional development, training and technical publications



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NATIONAL MANUFACTURING SUMMIT 2024

PATHWAYS TO SUCCESS

Making the Renewable Energy Revolution a Reality

For further information,
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Scan the QR
code to visit
Weld Australia's
website

