“Innovation is the chief weapon in the ‘productivity revolution’ and the battlefront is where business enterprises and their workforces intersect with customers in the marketplace and the community.”

- Manufacturing Futures, April 2011

**MPO 2014**
Manufacturing Productivity Optimisation

**Melbourne: 1st - 2nd April**

---

Featuring best practice case studies from:

- Blakemore Consulting
- NSCA
- Manufacturing Skills Australia
- Schweppes
- Fonterra
- Metalsa
- Gerard Lighting
- Manufacturship

**WORKSHOP 1:**
Breakthrough Productivity Increases

**WORKSHOP 2:**
Fundamental Cost Reduction
- Achieving path breaking and sustainable improvement

---

Group Discounts Available
Innovation is more about problem-solving and learning than about scientific discovery, more about the customer than the producer, more about the marketplace than the laboratory and more about business transformation than technology.

Productivity is not about doing more with less, nor about working people harder for longer. Productivity improvement is not generally the result of greater capital investment to replace labour. Productivity does not equate with efficiency; it centres on innovation and transformation – of business capabilities, processes, skills, technology and competitiveness.

In practical terms, the productivity gains that matter to manufacturers come from increasing revenue, not just cutting costs.

MPO 2014 will focus on addressing the productivity linked issues that is bleeding the manufacturing sector and will be a platform where path breaking case studies are presented, current norms are challenged and a robust plan of action is devised by industry thought leaders.

What are the benefits of attending MPO 2014?

- Review your current productivity challenges and benchmark against industry leaders
- Gain insights from industry practitioners on the potential of productivity optimisation to transform Australian Manufacturing
- Build and develop a corporate culture that nurtures innovation and continual improvement at an operational level
- Address the issues around skills shortages and need for regulatory support
- Manage change in an increasingly volatile business environment
- Streamline your processes using the latest tools and technologies that supports automation and innovation

MPO 2014 conference will use real life case studies and examples to highlight the key concepts and delegates will be encouraged to share their experience, knowledge, challenges for assisted group learning exercises.

MPO 2014 conference relevant to:
COOs, VPs, Directors, General Managers, Heads, Group Managers, Managers, Superintendents of:
- Change Management
- Continuous Improvement
- Engineering
- Health and Safety
- Manufacturing Excellence
- Operational Excellence
- Operations
- Plant Management
- Process and Industrial Engineering
- Process Improvement
- Procurement
- Production/Manufacturing
- Quality and Quality Control
- Supply Chain

It is essential to have a cross functional team participate in MPO 2014 conference.

From:
- Aluminum and Steel
- Automotive
- Chemicals & Petrochemicals
- Consumer Goods
- Electricals & Electronics
- Energy
- Engineering
- FMCG
- Food & Beverage
- Medical Devices and Bio Technology
- Minerals Processing
- Oil & Gas Refineries
- Pharmaceuticals
- Power Stations
- Pulp & Paper
- Semiconductors
- Textile
- Utilities
8.00 am Registration & Refreshments

8.45 am Welcome address by the Chair
Dr John Blakemore – CEO
Blakemore Consulting

9.00 am Cycle Time Reduction: The ultimate productivity challenge
• Small reductions in the cycle time result in large reductions in costs and increases in profitability
• Increases in velocity can only be obtained by increasing the value added part of the process as processes are integrated
• Velocity is the result of process innovation and this leads to massive reductions in working capital
• Time based strategies to increase flexibility and enable faster customer response
Dr. John Blakemore - CEO, Blakemore Consulting International
Former Advisor to the Federal Government in Manufacturing and Engineering

9.45 am Kaizen – The Continuous Improvement Plan for optimising productivity
• Introduction to the Continuous Improvement Journey
• Kaizen vs Suggestion box
• Key Foundations & Prerequisites for waste elimination
• Solution and Results
• Real life case study
Dirk Crouse – Operational Excellence Manager
Fonterra Australia

10.30 am Morning Refreshments

11.00 am Manufacturing Operations Excellence: Schweppes Australia’s Journey to Operational Excellence
• Past Challenges
• In-house system development based on global system
• Delivery structure and road map
• Management support and organisational accountability
• Sustainable performance and process improvement (Efficiency improvement of 14% and process maturity improvement of 6%)
Wayne Angus – General Manager Manufacturing
Schweppes Australia

11.45am Process improvement methodologies to optimise manufacturing process, productivity, quality and reduce wastage.
• Total Productive Management to increase production and enhance employee productivity
• Total Quality Management to improve processes, products, services and the culture of the organisation
• Just-in-Time practices to increase efficiency and decrease waste
Lean Six Sigma to lower costs, improve control and boost efficiency
• Drive productivity and overall performance in Manufacturing using Lean Six Sigma
• Eliminate waste and reduce cost across the supply chain and business using Lean Six Sigma
• Organizational capability management
• Change Management

12.30 pm Lunch

1.30 pm Automation in Manufacturing-
Leveraging on the latest technology to boost productivity in manufacturing
• Robotics and automation to enhance the overall efficiency, increase machine uptime and boost product output
• Manufacturing Execution Systems to optimise the plant floor operations using real time information
• Taking Additive Manufacturing (3D printing) beyond rapid proto typing to transform productivity gains in manufacturing
• Intelligent Manufacturing
• Process Re-Design and Workforce Optimisation

2.15 pm KPI’s and metrics to align, prioritize and sustain a process improvement culture
• Metrics as an indicator of the effectiveness and the efficiency of your process improvement efforts – balanced score card
• Identifying what metrics to use and making data-based decisions
• Overall Equipment Effectiveness vs Overall Employee Effectiveness
• How to improve forecasting of key metrics/understand drivers
• Using metrics to promote accountability, clarify and bring focus to objectives, promote systems thinking and problem solving

3.00 pm Afternoon Refreshments

3.30 pm Innovation in Manufacturing Value Chain
• Manufacturing as a Service (MaaS)
• Product-service offerings
• Supply chain and logistics Innovation
• Managing growth and improving productivity across the value chain
• Collaboration and connectivity to accelerate innovation and competitiveness

4.15 pm Culture of Safety as a driver of productivity
• Mitigating safety hazards to reduce breakdown time and increase productivity
• Integrated Risk Management approach to address safety related issues
• Developing a proactive and predictive safety program
• Managing productivity, quality, risk and safety to drive manufacturing profitability and sustainability
Ennio Bianchi - Principal, Risk Management
National Safety Council of Australia (NSCA)

5.00 pm Closing address by the Chair and end of day one.
DAY 2 AGENDA

8.00 am  Registration & Refreshments

8.45 am  Welcome address by the Chair

9.00 am  Up skilling and Re skilling of manufacturing workforce

  • Skilling existing workforce for higher productivity gains
  • Strategies to engage and retain mature workforce
  • New talent attraction and training (Vocational Education and Training)
  • Overcome gender and cultural roadblocks to enhance productivity

Bob Paton - CEO
Manufacturing Skills Australia

9.45 am  Lean Transformation Journey – Sustainability and Change Management

  • Understanding the Objectives and Importance of Lean Transformation
  • Both Management Commitment and Shop Floor Participation are important for Sustainable Lean Implementation (Top-down/ bottom-up approach)
  • Benefits of Lean Transformation - Qualitative and Quantitative
  • Lean Thinking / Kaizen Mindset – cultural shift

Mohamed Mohamedaly - Lean Manufacturing Manager
Metalsa Australia

10.30 am  Morning Refreshments

11.00 am  Change Leadership: Transition from an Expert to a Leader

  • Moving from high volume low value to low volume high value manufacturing
  • Managing workforce expectations and challenges
  • Integrating various departments in a broader corporate plan
  • Building and maintaining a Hi Performance team

Jay Dixit - General Manager Manufacturing & Development
Gerard Lighting

11.45 am  Lunch

12.45 pm  WORKSHOP 1:
Manufacturship

Breakthrough Productivity Increases

  • The Five Focusing Steps for Productivity Improvement
  • How to Manage Volatile Demand
  • Why Most Improvement programs fail

2.15 pm  Afternoon Refreshments

2.30 pm  WORKSHOP 2:
Manufacturship

Fundamental Cost Reduction - Achieving path breaking and sustainable improvement

  • The cost profile of Australian Manufacturers
  • The systematic approach to cost reduction
  • Building your own system to deliver year on year cost reduction

4.00 pm  Closing address by the Chair and end of MPO 2014

Workshops led by Jason Furness
– CEO, Manufacturship (Transforming Manufacturing)

Manufacturship is an agile consulting practice that mentors, trains and advises senior and emerging leaders in production based businesses to create rapid and sustainable performance improvements.
His driving passion is to see organisations execute projects and production on or ahead of time, every time, of the time to become world class manufacturers.
His background is in leading complex engineering change management and improvement programs with cross-organisational project teams.
Jason started his career at Holden in the late 1980's. He led turnaround programs in a number of roles within Holden, including running the largest grey iron foundry in the southern hemisphere. A team of 400 people produced over 3000 engine blocks a day and set new records in productivity, quality, and on time delivery.
Jason's major achievement at Holden was leading the building of their current $200m engine plant with a consortium of Japanese companies, the US product designers and the local Australian team.
Prior to starting Manufacturship he was the General Manager of the $247m Electrolux Refrigeration Factory in Orange. The business employs 600 people producing over 320,000 fridges a year for Australian and overseas markets.
In this role Jason oversaw Manufacturing, Raw Material Purchasing, Quality Improvements, Safety, Inventory Management, Maintenance, and New Model Introductions.
During his 3 year tenure Jason led programs that took this business from a 10 year breakeven financial position to a 12.4% Return on Sales during the Global Financial Crisis. This was achieved by focusing on delivering products and programs on time, on budget, and continuously improving levels of quality. Export markets were opened in Turkey, Russia, Malaysia and China. Production was relocated from Thailand to Orange on a business case that proved better outcomes for the company and customers.
He has worked in General Management, major capital project management, production management, maintenance, and production engineering.
Jason has extensive experience in Lean Manufacturing, TPM, and the Theory of Constraints. He has studied and practiced these processes throughout his career and seen them in use in Europe, Asia, the USA, South America, and extensively in Japan. He has a Mechanical Engineering degree, an MBA, and is soon to commence an Industry focused Doctoral program.
Dr John Blakemore, an international leader in industrial engineering and manufacturing has been recently recognized with the International Distinguished Service Award for 2014. The award ceremony was attended by 600 delegates from 66 countries. His clients include Panasonic, Pirelli, BHP, Canon, Honda, Cochlear, Speedo, Shaw, Duracell, and the CSIRO and he has authored six books on Innovation, productivity and strategy.

The NSCA is a national, not-for-profit, member based organisation that provides consulting, auditing and training services to organisations and individuals requiring workplace health and safety.

For over 85 years, the NSCA has been working with Australian businesses across all industries, providing sustainable solutions and protecting business’ most important asset – people.

Visit www.nsca.org.au or call 1800 655 510 for more information.

Manufacturing Skills Australia (MSA) is the national body responsible for ensuring that manufacturing enterprises have the workforce skills they need to be globally competitive now and into the future. We identify what skills are needed and how these can most effectively be implemented in industry. We are an Industry Skills Council, owned by industry and managed by a board from across industry, funded by the Australian Government through the Department of Industry.

IndustrySearch is a trusted B2B marketplace where 400,000+ professionals discover 40,000+ listed products and services and 20,000+ articles featuring new ideas and technologies shaping their industry. In this hub of sourcing and buying, suppliers activate a Storefront to reach industry professionals in Australia and New Zealand.

PROJECTON Group is a provider of quality corporate event management services, business conferences and training programs. Our aim is to empower business leaders with expert knowledge and strategies to attain long-term growth and prosperity. We achieve this through our corporate training programs and networking platforms that will connect you with industry experts. To help break through barriers and answer business critical issues, we provide you with the knowledge and tools to increase your profits and market share. We have partnered with leading Australian and International corporate organisations and government bodies to create exclusive networking and mentoring opportunities through our Business Interaction Platforms (BIP).