



**2024 MESNZ MAINTENANCE CONFERENCE PROGRAM**



PRINCIPAL SPONSOR

Tuesday 8th October – MESNZ Pre-Conference Training and Industry visit		
FREE Pre-Conference Training & Workshops		
9:00 AM		IO-Link Training Workshop
9:00 AM		Practical Steps to reduce energy costs across your plant today
9:00 AM		Infrared Inspection Fundamentals Workshop
1:00 PM		Industry visit - NZAero - Designers and builders of aircraft that perform where others can't, fly where others won't, do what others don't.
3:00 PM		Free Student Session - open to all secondary school students, potential engineers and apprentices
5:00 PM		Welcome Function & Meet the Exhibitors

Wednesday 9 <sup>th</sup> October – MESNZ Conference Day 1			
8:00 AM	01:00	Registration Open, Exhibition Viewing & Networking	
9:00 AM	00:15	Welcome to the MESNZ Conference presented by MESNZ and Principal Sponsor Mainstream Engineering Limited (MEL)	
9:15 AM	00:45	Recovery from 2m underwater, Pan Pac rebuild after Gabriel	
10:00 AM	00:30	Pitfalls of importing cranes and PECPR equipment	
10:30 AM	00:30	Morning Tea – Refreshments, Networking and Exhibition viewing	
11:00 AM	00:35	Using AI as a maintenance tool	
11:35 AM	00:40	MESNZ Newsroom: Maintenance current affairs and Industry updates	
12:15 PM	00:50	Lunch, Exhibition Viewing & Networking	
1:05 PM		<b>Stream A: Technical</b>	<b>Stream B: Materials &amp; Failure Prevention</b>
			<b>Stream C: Training</b>
1:05 PM	00:35	Safety. New standards this year for Machine Safety & Electrical	Don't build failure into your project
			Bearing fitting and effects of poor practice
1:40 PM	00:35	Conveyor maintenance tip and horror stories	Unconventional methods for corrosion prevention and repairs
			Smart sensors
2:15 PM	00:30	Running a plant on a tight budget.	Critical bolting failure case studies
			Arc Flash
2:45 PM	00:30	Afternoon Tea – Refreshments, Networking and Exhibition viewing	
3:15 PM	00:45	Burner issue resolution learnings	
4:00 PM	00:45	People factors: Condition monitoring	
4:45 PM	01:15	Close of Day 1 - Wrap up	
6:00 PM		Social Night & Awards Dinner	



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Thursday 10 <sup>th</sup> October – MESNZ Conference Day 2			
Main Plenary and Expo Zone			
7:30 AM	01:00	MESNZ AGM All Members Welcome	
8:30 AM	00:30	Refreshments, Exhibition Viewing & Networking	
9:00 AM	00:05	Day 2 – Opening	
9:05 AM	00:40	Lies, Damn Lies and Metrics	
9:45 AM	00:30	The Do's and Don'ts of Boiler Fuel Switching	
10:15 AM	00:30	Morning Tea – Refreshments, Networking and Exhibition viewing	
10:45 AM	00:05	<b>Stream A - Smart connected machines</b>	<b>Stream B - Technical</b>
10:50 AM	00:35	Use of AI in condition monitoring	Large scale complex metal 3D printing
11:25 AM	00:35	Cyber attacks on plant and machines are real. What can you do	Impacts of Water chemistry on industrial processes
12:00 PM	00:35	Use of data to drive maintenance improvement	Undersatanding the true cost of Corrosion
12:35 PM	00:30	Using AI as a tool deep dive	Water chemistry what happens when you get it wrong
1:05 PM	00:55	Lunch, Exhibition Viewing & Networking	
2:00 PM	00:40	NZ Energy Crisis 3.0 - What you need to know	
2:40 PM	00:40	Travelling across India on a glorifed lawnmower - Bush mechanics	
3:20 PM	00:10	MESNZ Conference Wrap-up and Closing Remarks	
3:30 PM		Conference Closes	