

SAFEGUARDING OF MACHINERY

Providing solutions to your machine guarding issues

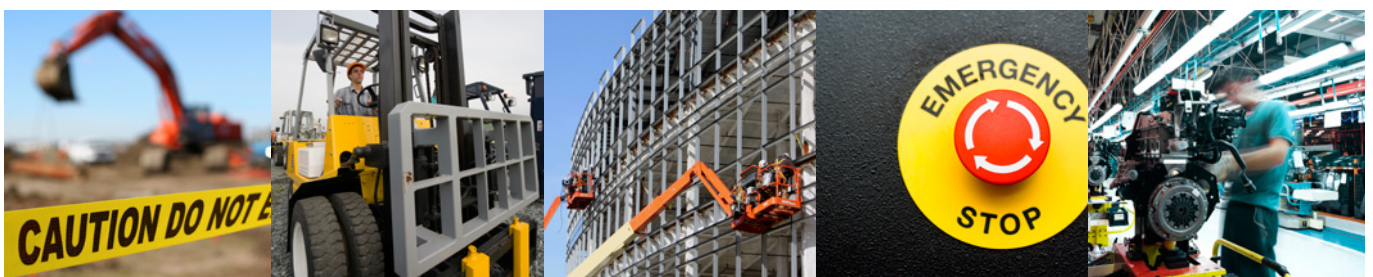
SEMINAR – Melbourne Wednesday 28 March, 2012

Nearly a quarter of all Victorian workers deal with plant, equipment or machinery in their daily duties. The high risks associated with many types of plant and machinery makes it a major cause of workplace death and injury in Victoria.

Deaths or serious injuries can occur through operation of plant or equipment or when maintenance, repair, installation, servicing (MRISC) and cleaning of machinery and equipment is undertaken.

In 2006/2007 almost one third of all workplace deaths occurred during the MRISC of equipment and machinery. It was further highlighted within that period that MRISC activities made up nearly 60% of around 8,300 machinery related injuries in Victoria's manufacturing industry.

This Seminar will provide you with solutions to deal with your machine guarding issues.



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A selection of recent Victoria prosecutions:

- Company fined \$460,000 when worker became entangled in timber post-peeler machine.
- Company receives Victoria's second reckless endangerment conviction after worker has three fingers crushed. A fine of \$280,000.
- Company fined \$145,000 after a maintenance fitter's left thumb was amputated.
- Company fined \$475,000 when maintenance equipment failed due to corrosion. The failure caused the death of an employee.

Can you afford these unwanted costs?

All business sectors have machine and equipment-related hazards: from manufacturing to construction, to restaurants, farms and many more. Businesses rely on machinery and equipment, both large and small, on a daily basis. The hazards may include moving parts, electrical, noise and ergonomic issues just to name a few.

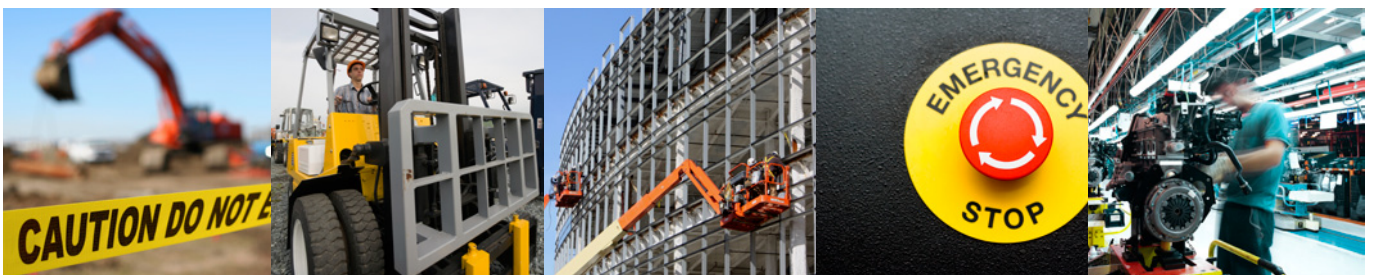
The good news is that this seminar will give you practical information on how an effective plant safety program can control and safeguard these hazards before they turn into injuries, ensure you are in compliance with the legislative requirements and maintain profitability by protecting against the impact of costly lost time injuries.

TOPICS

- Application of the Australian Standard AS 4024.1 - Safety of machinery
- Design Considerations - Safety Control Systems
- General Requirements for Guarding and Anthropometric Data
- Principles for Design and Selection of Interlocking Devices
- Learning from a Machine Incident

WHO SHOULD ATTEND?

- Managers and Supervisors
- Maintenance and Purchasing
- Safety Professionals and Engineers
- Project Managers
- Plant Designers
- Suppliers
- Auctioneers



PROGRAM

TIME	TOPIC	SPEAKER
8.00am	REGISTRATION	
8.30am	WELCOME AND INTRODUCTIONS	Paul Felsovary Senior Adviser, Ai Group
8.45am	INTRODUCTION TO SAFEGUARDING OF MACHINERY AND THE VICTORIAN RISK MANAGEMENT MODEL The view of the regulator: Legislative requirements; current Government target strategies for the manufacturing industry; publications and Australian Standards that may assist organisations; and the Victorian Risk Management Model with an emphasis on the hierarchy of safeguarding controls to be applied to plant.	Alex Buckle Project Manager WorkSafe Victoria
9.30am	APPLICATION OF THE AUSTRALIAN STANDARD AS 4024.1 – SAFETY OF MACHINERY The practical application and interpretation of Australian Standard 4024.1: Safety of Machinery including 4204.1201 (General Principles), 4204.1301 (Principles for Risk Assessment), 4024.1401 (Ergonomic Principles) and AS4024.1901 (Displays, Controls, Actuators and Signals).	Roger Lim Principal Consulting Engineer Plant Safety Solutions Pty. Ltd
10.15am	MORNING TEA	
10.45am	GENERAL REQUIREMENTS FOR GUARDING AND ANTHROPOMETRIC DATA AS4024.1601 (General requirements for the design and construction of fixed and moveable guards). Essential guidance to make the best possible guarding choice - barrier, fixed and interlocked guards, including additional considerations such as machine, ergonomic, guard construction, containment, resistance, noise and vibration factors. Further advice will be provided on interpreting AS4024.1700 (Basic human body measurements for technological design) and AS4024.1800 (Safety distances to prevent danger zones being reached). DESIGN CONSIDERATIONS – SAFETY CONTROL SYSTEMS AS4024.1501 (Design of safety-related parts of control systems). Categories and validation related to design considerations that need to be applied to hydraulic, pneumatic and electrical systems; access for adjustment, lubrication and maintenance; controls for setting and adjustment; and an overview of design obligations including Interlocking devices and other safeguarding devices.	Roger Lim Principal Consulting Engineer Plant Safety Solutions Pty. Ltd
11.45am	PRINCIPLES FOR DESIGN AND SELECTION OF INTERLOCKING DEVICES AS4024.1602/1603/1604 principles for design and selection of interlocking devices including advice on the prevention of unexpected plant start up and emergency stop design.	Roger Lim Principal Consulting Engineer Plant Safety Solutions Pty. Ltd
12.15pm	CASE STUDY LEARNING FROM A MACHINE INCIDENT How a company can learn from machine incidents through a case study that demonstrates the advantages of generating risk assessments, the importance of identifying foreseeable misuse and how safe work procedures and training can effectively minimise the risk of machine incidents.	Roger Lim Principal Consulting Engineer Plant Safety Solutions Pty. Ltd
12.45pm	LUNCH	
1.30pm to 4.30pm	WORKSHOP SESSIONS Please select your preference for the workshops below. (All efforts will be made to accommodate your preferences). Indicate your choice on the registration form.	
	Workshop 1 Understanding and applying the principles of AS 4024.1 – Safety of Machinery	Roger Lim Principal Consulting Engineer Plant Safety Solutions Pty. Ltd
	Workshop 2 Practical aspects of developing and maintaining plant documentation including risk assessments, safe work procedures and training competency	Paul Felsovary Senior Adviser, Ai Group

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SEMINAR REGISTRATION

MELBOURNE

Wednesday 28 March, 2012

Australian Industry Group
20 Queens Road
Melbourne VIC 3004

REGISTRATION:

8.00am – 8.30am

SEMINAR:

8.30am – 4.30pm

COST:

Ai Group Members

\$418 per participant. Two or more registrations \$374 per participant

Non-Members

\$500 per participant. Two or more registrations \$484 per participant

All prices are GST inclusive. Payment must be made at time of registration.
Australian Industry Group – ABN 76 369 958 788

WORKSHOP SESSIONS

Please number in order of your preference for the workshops (1-2) below. (All efforts will be made to accommodate your preferences)

WORKSHOP 1	WORKSHOP 2
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<input type="checkbox"/> Ai GROUP MEMBERSHIP No.		<input type="checkbox"/> NON-Ai GROUP MEMBER	
ATTENDEE 1		ATTENDEE 2	
TITLE	FIRST NAME	TITLE	SURNAME
COMPANY			
JOB TITLE			
ADDRESS			
STATE	POSTCODE	EMAIL	
TELEPHONE		FACSIMILE No.	
TITLE	FIRST NAME	SURNAME	
COMPANY			
JOB TITLE			
ADDRESS			
STATE	POSTCODE	EMAIL	
TELEPHONE		FACSIMILE No.	
Upon payment being accepted this form becomes a tax invoice.			
PLEASE FIND ENCLOSED A CHEQUE FOR \$		OR PLEASE CHARGE MY CREDIT CARD \$	
<input type="checkbox"/> AMEX <input type="checkbox"/> MASTERCARD <input type="checkbox"/> DINERS <input type="checkbox"/> VISA	CARD NUMBER		EXPIRY DATE
CARD HOLDER'S NAME		SIGNATURE	

PLEASE FAX OR EMAIL REGISTRATION FORM TO YOUR STATE CONTACT:

MELBOURNE Sarah McCormick – National Event Coordinator
 Australian Industry Group, PO Box 7622, Melbourne VIC 8004
 T: 03 9867 0224 F: 03 9867 0122 Email: sarah.mccormick@aigroup.asn.au

Cancellation Policy – Registration may be cancelled up to 5 working days prior to commencement of the seminar, with participants either transferring to another seminar or receiving a full refund. If no cancellation notice is received or cancellation is made less than 5 working days prior to commencement of the seminar, no refund will be issued. You may substitute another participant at any time prior to the seminar commencement date should the nominated person be unable to attend. Ai Group reserves the right to cancel or postpone a seminar to an alternative date. All registered participants affected by such changes will receive a full refund or be offered the opportunity to transfer to the next available seminar program. Privacy Policy – The Australian Industry Group is bound by the National Privacy Principles under the Privacy Amendment (Private Sector) Act 2000. The personal information disclosed by you to us will be used for the purpose of identifying you and confirming your participation. If applicable, financial information disclosed by you will be used only for the purposes of effecting the transaction to which it relates, and will be kept securely until legally able to be deleted. Otherwise, the personal information disclosed will be used by us to communicate with you about our products and services. If you do not want to receive communications from us about products or services unrelated to this transaction, please inform the contact specified on this form. Details of our Privacy Policy are available from the contact specified on this form.

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