

SAFEGUARDING OF MACHINERY

PROVIDING SOLUTIONS TO YOUR MACHINE GUARDING ISSUES

SEMINAR

TUESDAY 21 SEPTEMBER 2010

SYDNEY

SAFEGUARDING OF MACHINERY

 AUSTRALIAN INDUSTRY GROUP

PROVIDING SOLUTIONS TO YOUR MACHINE GUARDING ISSUES

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

Nearly a quarter of all New South Wales 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 NSW.

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 machinery related injuries in NSW's manufacturing industry.

A selection of recent NSW prosecutions:

- Company fined \$220,000 when an employee suffered serious crush injuries to his right hand when it became caught between two unguarded rollers in a roller mill machine. Director fined \$16,500
- Company fined \$82,000 when employee had her hand caught in can-seaming machine which amputated parts of her fingers
- Company fined \$150,000 when worker was fatally injured cleaning the inside of a stock feed mixer

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

The Australian Industry Group (Ai Group) is Australia's leading industry association. Ai Group member businesses employ around 750,000 people in a broad range of industry sectors including: manufacturing, engineering, construction, defence, ICT, call centres, labour hire, transport, logistics, utilities, infrastructure and business services. To find out more about the benefits of Ai Group membership visit www.aigroup.com.au

SAFEGUARDING OF MACHINERY

 AUSTRALIAN INDUSTRY GROUP

PROVIDING SOLUTIONS TO YOUR MACHINE GUARDING ISSUES

PROGRAM

Time	Topic	Speaker
8:30am	WELCOME AND INTRODUCTION –	Mark Goodsell – Director NSW, Ai Group
8:45am	Introduction to Safeguarding of Machinery and the New South Wales 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 New South Wales Risk Management Model with an emphasis on the hierarchy of safeguarding controls to be applied to plant.	Prasad de Silva – State Coordinator Engineering Team, WorkCover Authority of New South Wales
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	Design Considerations - Safety Control Systems AS4024.1500 (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.
11:15pm	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).	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 – 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 over.	
	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 Safeguarding against failures – the value of visual and Non Destructive Testing (NDT) Inspection	Trevor Rowlands, Principal Materials Engineer, (ATTAR)
	Workshop 3 Practical aspects of developing and maintaining plant documentation including risk assessments, safe work procedures and training competency	Jillian Searant – Senior Adviser OHS, Ai Group

SAFEGUARDING OF MACHINERY SEMINAR

REGISTRATION FORM / TAX INVOICE

SYDNEY

Tuesday 21 September 2010

The Holroyd Centre
17 Miller Street,
Merrylands NSW 2160
Registration: 8:00am – 8:30am
Seminar: 8:30am – 4:30pm

WORKSHOP SESSIONS – Please number in order of your preference for the workshops (1-3) below.
(All efforts will be made to accommodate your preferences)

Workshop 1
Workshop 2
Workshop 3

Ai GROUP MEMBER
MEMBERSHIP NO. _____

\$418
Members: 2 or more participants \$374

NON-Ai GROUP MEMBER

\$550
Non-members: 2 or more participants \$484

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

ATTENDEE 1		
TITLE	FIRST NAME	SURNAME
JOB TITLE		COMPANY

ADDRESS

STATE	POSTCODE	EMAIL
TELEPHONE No.		FACSIMILE No.

ATTENDEE 2		
TITLE	FIRST NAME	SURNAME
JOB TITLE		COMPANY

ADDRESS

STATE	POSTCODE	EMAIL
TELEPHONE No.		FACSIMILE No.

UPON PAYMENT BEING ACCEPTED THIS FORM BECOMES A TAX INVOICE

PLEASE FIND ENCLOSED A CHEQUE FOR \$

OR PLEASE CHARGE MY CREDIT CARD \$

AMEX MASTERCARD DINERS VISA

EXPIRY DATE
/

CARDHOLDER'S NAME	SIGNATURE
-------------------	-----------

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

FAX OR MAIL REGISTRATION FORM TO:

NEW SOUTH WALES

Mary Tiller
Australian Industry Group
PO Box 289
North Sydney NSW 2059
Tel: 02 9466 5465
Fax: 02 9466 5432
mary.tiller@aigroup.asn.au