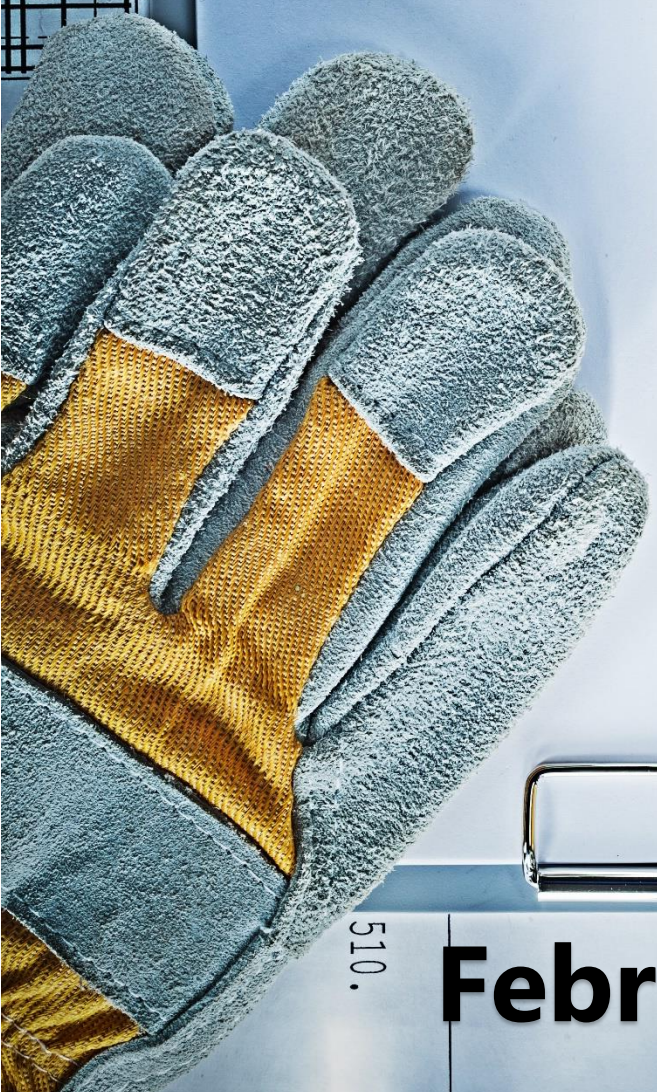
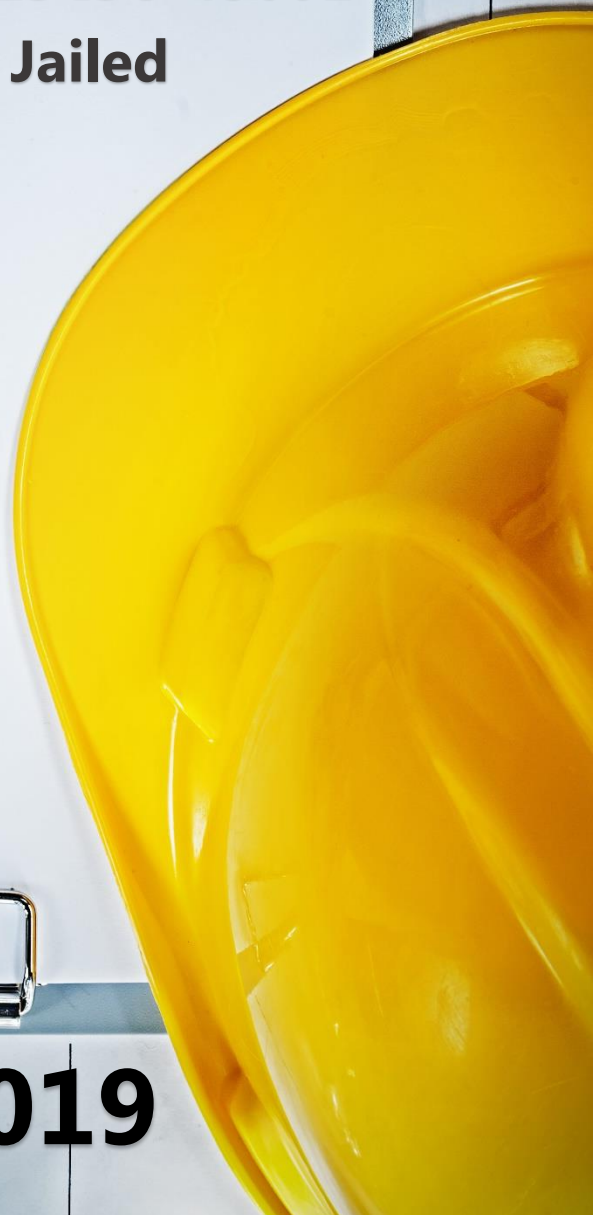
SAFETY ACTION PTY LTD®

# Safety News

## Safe Design – Made Easy

- Safety Leadership Workshop March
- New OHS Standard AS/NZS ISO 45001
- Victorian Business Owner Jailed





**February 2019**

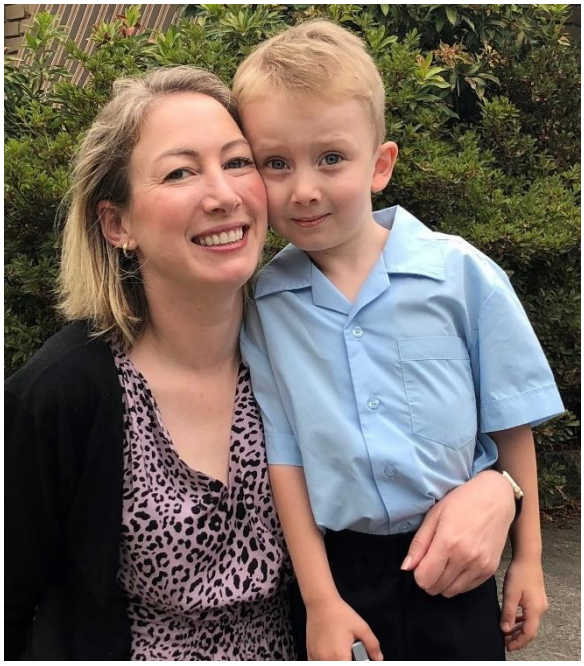
# Welcome to the February Safety Action News

In this month's Safety Action News, we explain how to meet your obligations for safety in design the stage for buildings, plant and structures. Read about a Victorian business owner jailed for the death of a worker and more about the new international standard for OHS- ISO 45,001.

Automated equipment is rapidly becoming common in workplaces. Never heard of the term cobots? Then turn to page 5. See the latest news on these and details of the new "Safety compliance with automated workplaces" workshop.

Safety Action are proud to host the Southern Safety Group later this month. We welcome our clients and friends to attend Gary Rowe's presentation on Effective Safety Communication on the 25th February.

**Stay safe!**
Andrea Rowe



Andrea Rowe, General Manager, with son Thomas on his first day of school.

## Safety Leadership Workshop

Book before 11 February for Early Bird price

Workshop includes; effective communication, safety legislation, what to do and not to do when there's a safety incident, risk assessments, review work procedures and conduct safety talks and positively change behaviours.

Tuesday 12th & Wednesday 13th March 2019
Early Bird price $950+GST (ends 11th February)
Normal RSVP $1500+GST
8.00am – 4.00pm each day
Safety Action, Clayton

Click here to register.

*"I wished I had done this course 20 years ago"*
*– Manager, Melbourne Water*

BOOK NOW
Early Bird ends 11 Feb

# SAFE DESIGN - Made Easy

The term "safety in design" is increasingly being used in the workplace. So, what does this mean and what do you need to do?

**Legislative Requirements**

Most jurisdictions include legislative obligations for designers of buildings, plant or structures. For example, Vic OHS Act S.27 & 28, Australian Model WHS Act S.22 and NZ HSW Act S.39.

However, the obligations in the legislation are general in nature and therefore not that helpful for most people. Below is the typical wording.

***Designers to ensure structures, plant and buildings are safe when used for the intended purpose including each phase e.g. transportation, construction, use and demolition.***

**Key Design Requirements**

The key design considerations for safety in design for buildings and structures can be covered under the five subject areas outlined below.


Powerline warning sign

**1. Design for Safe Construction**

A lot of the risks associated with buildings arise during construction, yet traditionally safety-in-design principles have focused on the inherent safety of the completed structure.

Some of the common risks that arise during the construction phase, along with some suggested controls include:

- Power lines over driveways or near construction equipment e.g. scaffolding or cranes. Consider bury, disconnect or re-route cables before construction, or ensure adequate warning signage and clearance from overhead lines.
- Falling components or people when working at heights, so consider prefabricated off-site or assemble at ground level.
- Worker falling off roofs so include compliant parapets in building designs.
- Workers falling off temporary access ladders so schedule installation of permanent stairs at the beginning of construction.

Fixed roof parapet handrails

## 2. Design for Safe Use

Designers can help their intended occupants and users by considering things like:

- Traffic management plan e.g. separate entry and exits and loading areas.
- Specify non-slip materials for floor surfaces exposed to weather.
- Sufficient space to safely install, operate and maintain intended plant and machinery.
- Provide adequate lighting.
- Mechanical devices to minimise manual handling.
- Specify plant with low noise emissions or isolate noisy equipment.
- Design floor loads to accommodate likely future heavy machinery.

## 3. Design for Safe Maintenance

Maintenance personnel have traditionally been expected to tolerate difficult access and cramped work space to complete maintenance tasks. This attitude is not acceptable under current workplace legislative requirements and all building designs need to consider:

- Maintenance from floor level or from a safe structure / platform.

Mobile work platform

Roof top maintenance walkway

- Permanent anchorage and hoisting points where maintenance is needed at height.
- Avoid entry to confined spaces.
- Specify materials that do not need re-coating or treatment.

## 4. Safe Modification

Owners and occupiers often find the need to modify buildings and structures to accommodate changing circumstances. Where this is required consider the following:

- Refer to designer / documentation prior to any modifications for any risks or precautions.
- Incorporate new design standards in any planned upgrades.
- Consult professional engineers.
- Follow management of change procedures.

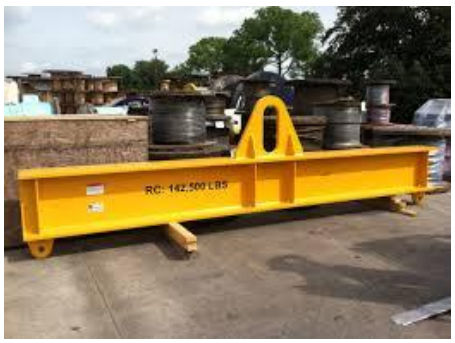
## 5. Safe Demolition

Every building or structure must eventually reach the end of its practical usefulness and need to be dis-assembled or fully demolished. The safety in design considerations include:

a) Demolition firm to consult designer/documentation to safely dismantle the structure.
b) Design to include leaving lifting lugs and eyelets on beams and structural components to facilitate disassembly.

c) Risk assessment to identify all hazards and demolition firm to document correct safe method.

***Contact Zara for our Fact Sheet with a detailed Safe Design checklist or to talk to one our safety specialists.***



Beam with lifting eyelet

## Communicating Safety Effectively

### Safety Networking- Southern Safety Group

The first meeting for 2019 is on 25th February is at Safety Action premises in Clayton with Gary Rowe presenting on how to communicate safety to all stakeholders.

To attend, contact Gary Thexton

Email: gary.thexton@bigpond.com

The session will include:

- What effective safety communication looks like;
- Practical communication tools
- How to communicate with competing viewpoints and objectives;
- How to combat apathy of staff

## Upcoming Webinars

TUE 5 FEB / 12.30 PM Machinery Safety - Part 1: Principles

THU 14 FEB / 10.00 AM PPE Fit Testing – Hearing Protectors

THU 7 MAR / 11.00 AM Machinery Safety – Part 2: Common Hazards

TUE 26 MAR / 2.00 PM Chemicals – Part 2: DG Placarding

WED 3 APR / 11.00 AM CoR Operator Duties e.g. loading & restraint

## Chain of Responsibility (CoR) Workshop

*Tuesday 23rd April 2019, 12.30pm – 4.00pm – Clayton, VIC*

Compliance and requirements of the new chain of responsibility laws for trucks and heavy vehicles. Also includes load dimensions and restrains.

Click here to register.

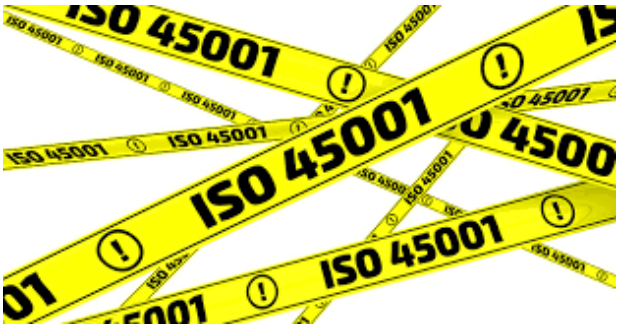
# *New OHS Standard*

As part of a trend to align with international best practice Standards Australia has released a new combined Australian, New Zealand and international standard on occupational health and safety.

The standard is entitled AS/NZS ISO 45,001: 2018 Occupational Health and Safety Management Systems – Requirements with Guidance for Use.

This document outlines the scope and high-level content expected for a compliant safety management system.

The standard warns that success of an OHS management system is dependent upon a number of factors including:




- Top management leadership and support
- Effective consultation and communication
- Necessary policies and procedures
- Process to identify work injury risks
- Integration of the OHS system into the organisation's business processes
- Continual monitoring and improvement
- OHS objectives aligned to business needs and
- Resources necessary to implement

The Plan-Do-Check-Act (PDCA) cycle, made famous by Toyota world-wide, forms part of the process.

The main elements of the ISO 45001 OHS management system include:

1) Context e.g. organizational needs, structure and expectations
2) Leadership and worker participation
3) Planning
4) Support
5) Operation
6) Performance evaluation
7) Improvement

***If interested in more information on how to implement this important standard, or an independent audit against this standard contact us on enquiries@safetyaction.com.au or Tel. 03 85 444 300.***

# *Automation is Here – Get used to it*

A few years ago we were amazed to see automated vehicles moving slowly around warehouses and factories picking up and delivery material. Now entire warehouses and factories are being run by automated process equipment and robots.

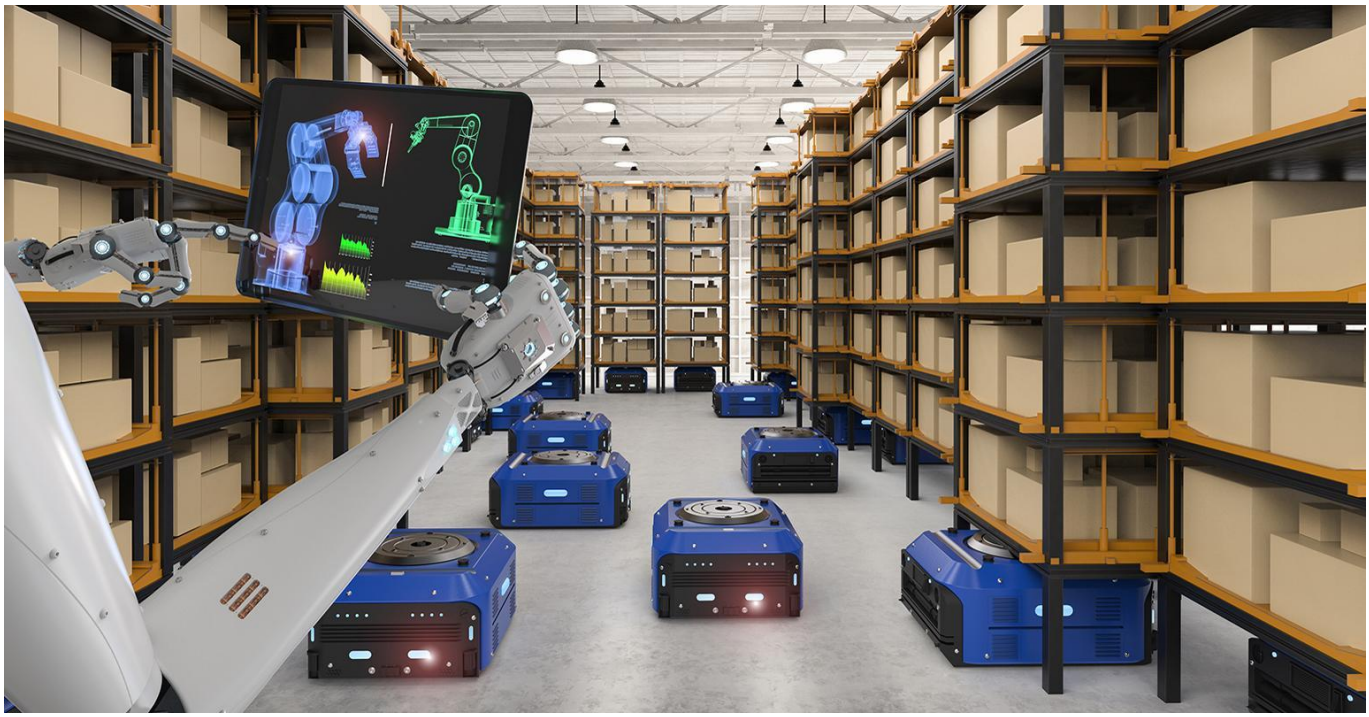
Many businesses are introducing collaborative robots (cobots) which work in close proximity with staff.

Supermarket giant Coles has announced they plan to invest $950m to build two automated distribution centres. This follows a similar move by rival Woolworths to build the largest technologically advanced distribution centre in Dandenong, east of Melbourne.

Get used to seeing cobots and automated guided vehicles (AGVs) and combinations of these operating near you in the near future. All safety specialists and operation managers need to understand this new technology.

The company stated, "this will provide a safer working environment". This is presumably largely due to the fact that no one will be in the warehouse, only robots and AGVs.

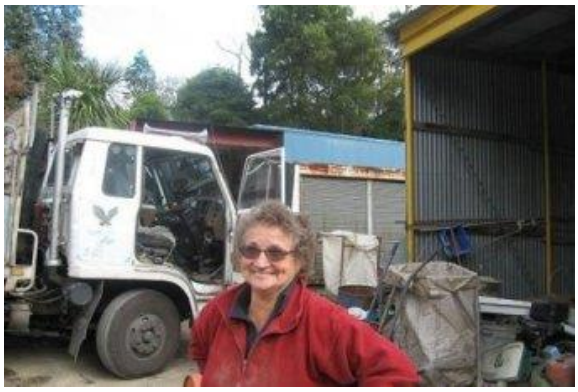
***If you would like a copy of our safety checklist for cobots and AGVs or book into our special workshop on "safety compliance with automated workplaces" just contact Zara at enquiries@safetyaction.com.au or T. 03 85444 300.***



An automated facility – no people

# Jail Over Forklift Fall

A Victorian scrap yard operator has been jailed over a fatal fall from a forklift in February 2017.



Maria Jackson at recycle centre.

Maria Jackson, 72-year-old owner of the Recycling Emporium in Gippsland, Victoria was sentenced to six (6) months jail in December last year but was released on bail after lodging an appeal. However, she withdrew her appeal on 21 January, and was subsequently taken into custody.

The court heard Maria was not licensed to operate the forklift truck but raised a person about 3m high in a scrap bin on the forklift tines, contrary to safety regulations and the person fell when the bottom of the bin gave way. The scrap metal then fell on top of him, causing fatal injuries.

***If you would like to know how this situation was allowed to exist and get a copy of our Safety Bulletin on this tragic accident, along with our checklist for preventing similar incidents then call or email Zara on T. 03 85 444 300 or enquiries@safetyaction.com.au.***

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# New Workshop

# Safety Compliance for Automated Workplaces

*Tuesday 23rd April 2019, 8.00 AM – 12.00 PM – Clayton, VIC*

Gary Rowe, CEO and highly qualified and experienced safety engineer will lead this unique half-day introduction to this exciting topic.

The session will include things like:

- How do the safeguarding regulations apply to collaborative robots (Cobots) and automated guided vehicles (AGVs)?
- How do I specify and purchase a safe and compliant robot/cobot/AGV?
- How do I assess existing automated processes for safety and compliance?
- What standards and regulations apply to this type of equipment?
- Provision of a simple unique checklist to easily assess and confirm safety and compliance.

Click here to register.