



ecoPortal

Health and Safety Engagement Software

# Out of Harm's Way

## Building Stronger Risk Management Processes



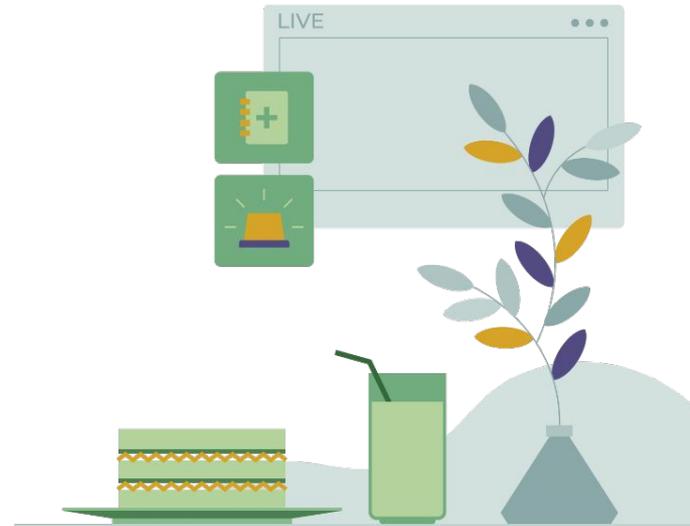
**Sam Williams**

Safety Solutions Partner, ecoPortal



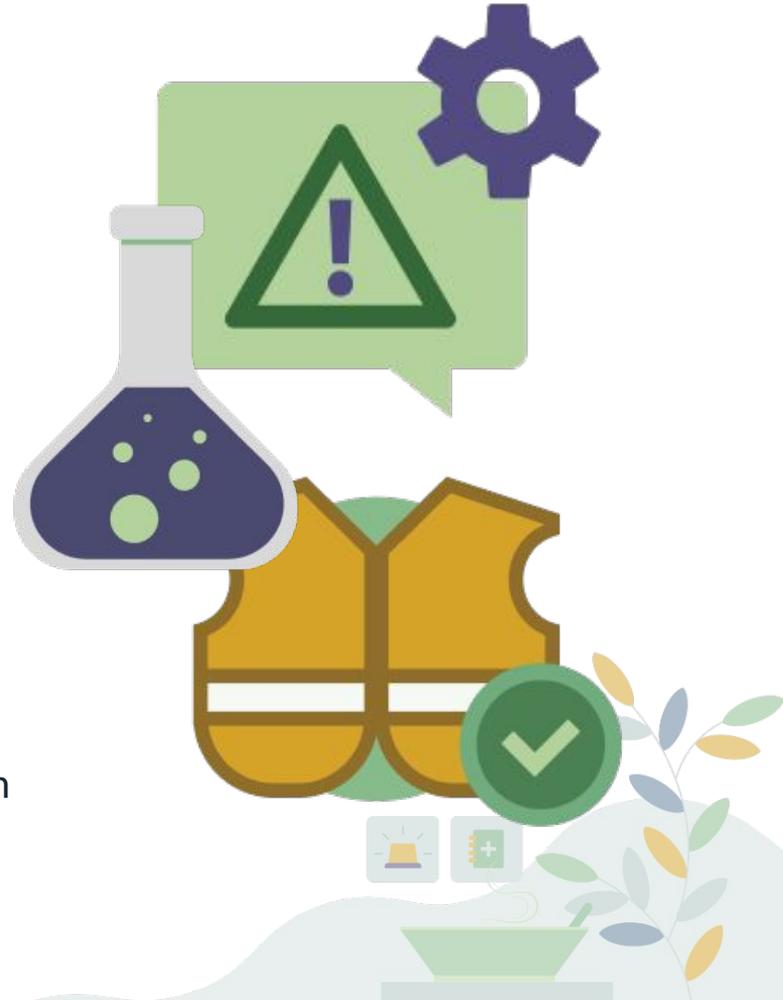
**Craig Bleakley**

Safety & Risk Consultant, ecoPortal



# Agenda

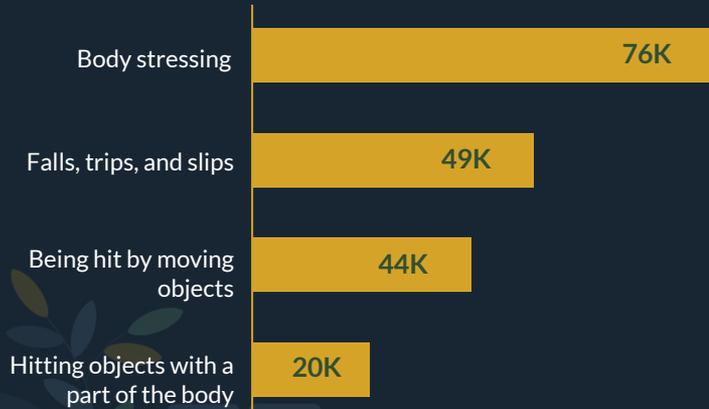
- Hazards & risks in numbers
- Risk management components
- What does the law say?
- Best practices
- ecoPortal's Hazards & Risks module – standard solution



# Hazards & Risks in Numbers

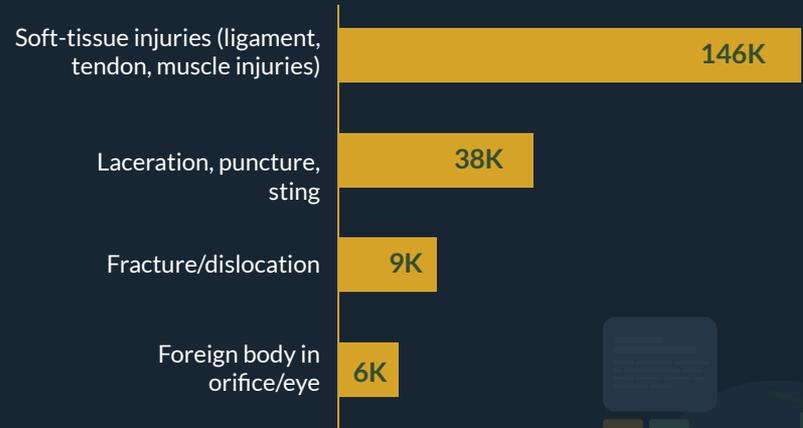
Most common work-related incidents in NZ and AU by type

Number of work-related claims in **Australia**  
(2022-2023)



\*Safe Work Australia

Number of work-related injuries in **New Zealand**  
(2023)



\*Injury statistics - work-related claims: 2023: Stats NZ

# Risk Management Components



## Hazards

Represent the potential sources of harm.

Each hazard is a situation or condition that could cause injury, psychological injury, illness, or death. Usually remain the same even if the risk is minimised.

**Example:** Working at height



## Risks

Risks are the potential outcomes or consequences of exposure to a hazard. Can be eliminated or minimised.

**Example:** Falling from height



## Controls

Controls are the measures implemented to reduce the likelihood of harm occurring or lessen its severity.

**Example:** installing guardrails and providing training in safe working practices at heights



## Reviews

Risks and controls must be monitored and reviewed on an ongoing basis.



# Risk Management Components in Action

## Hazards | Risks

Power tools | Eye Injury

Power tools | Physical Cuts

Flammable Materials | Getting Burnt

Welding | Eye Injury

Welding | Getting Burnt

Sharp Objects | Physical Cuts

## Controls

Safety Goggles

Face Shields

Fire Extinguisher

Ventilation

Safety Gloves

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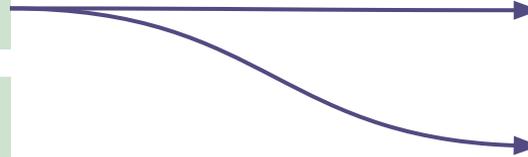
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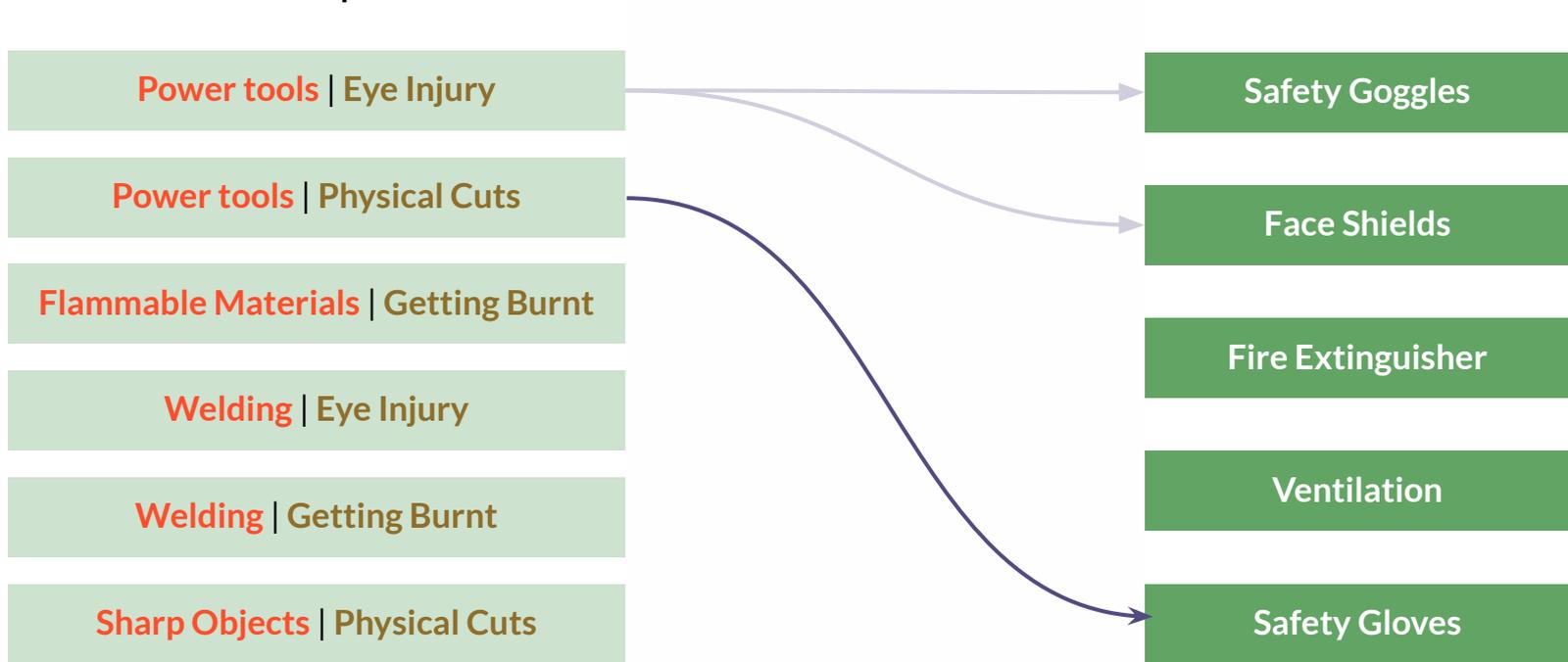
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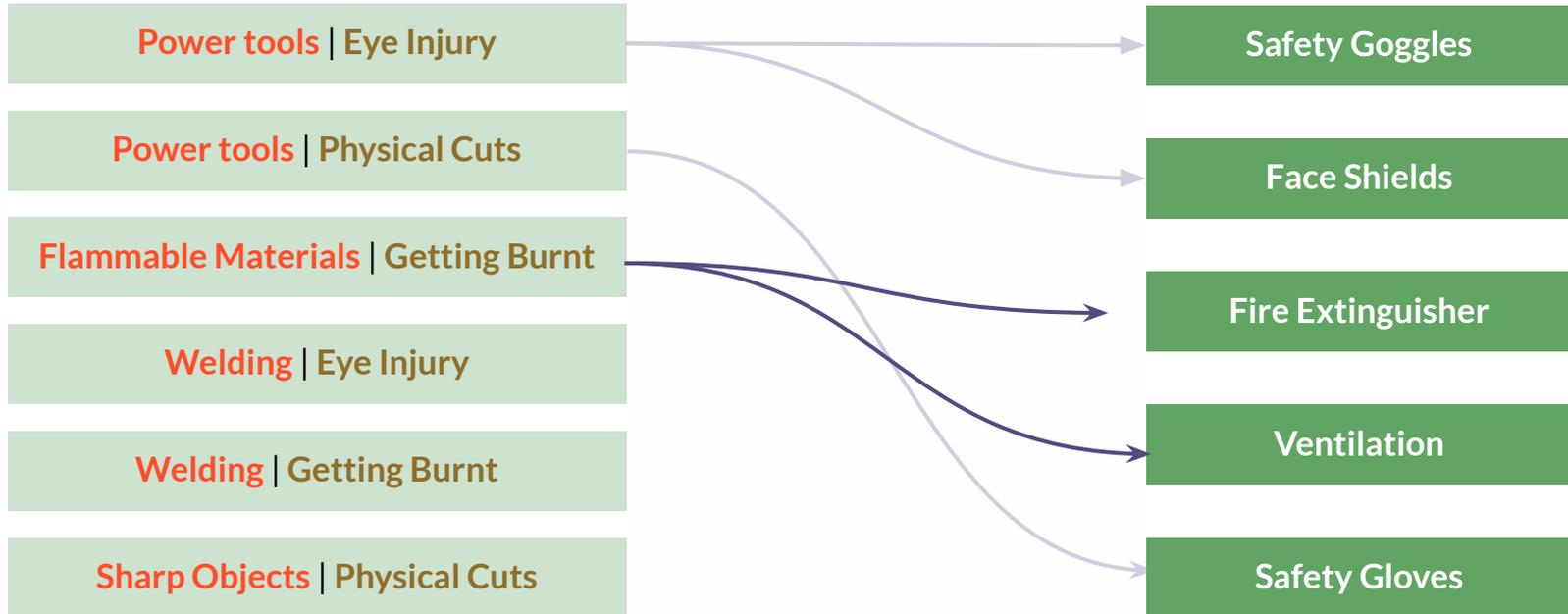
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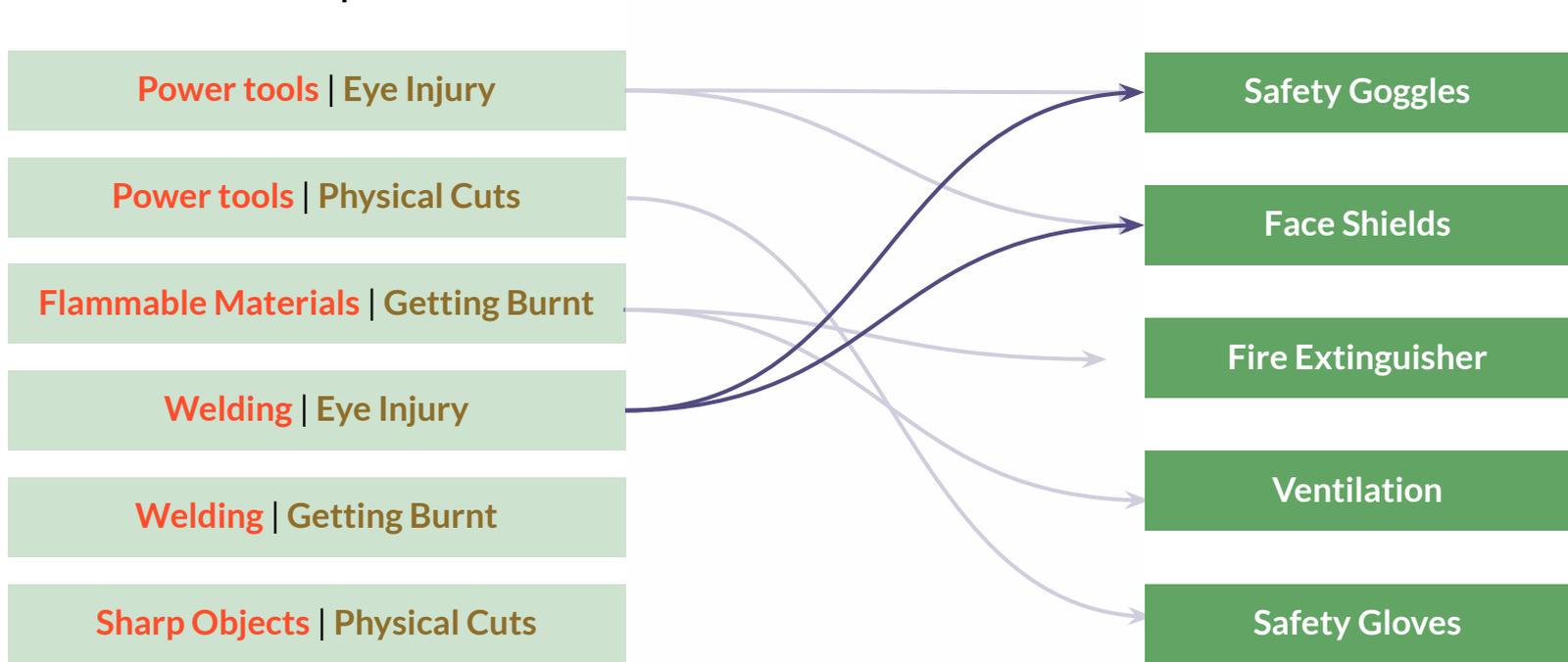
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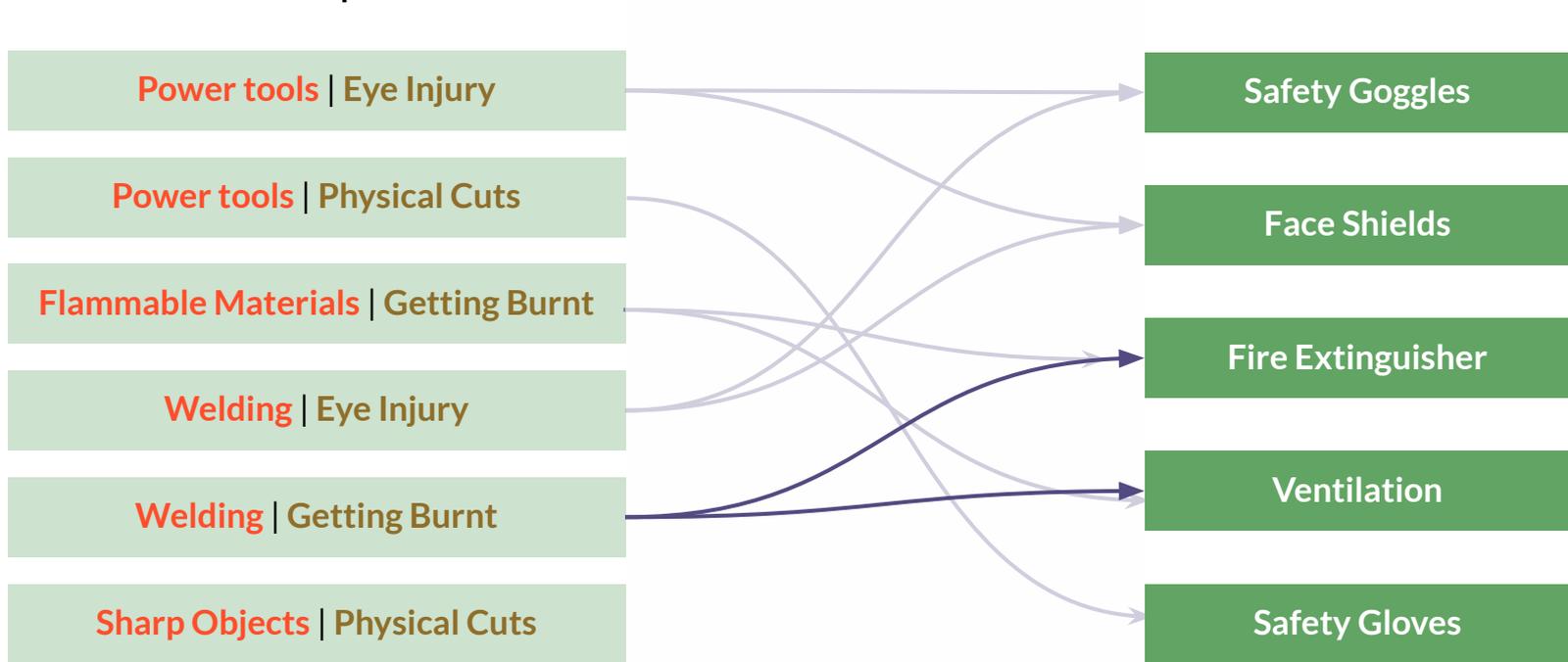
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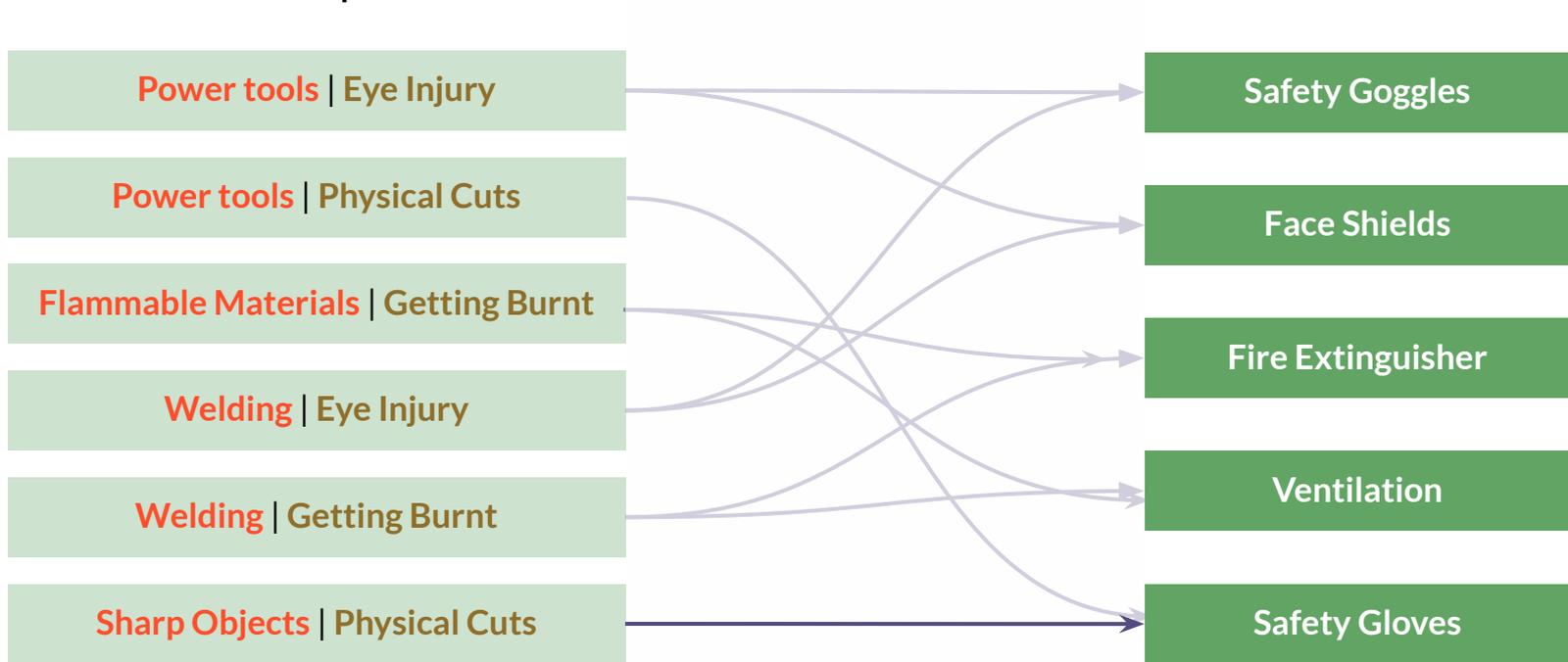
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POLL

**How confident are you that  
your control measures are up  
to date and working?**



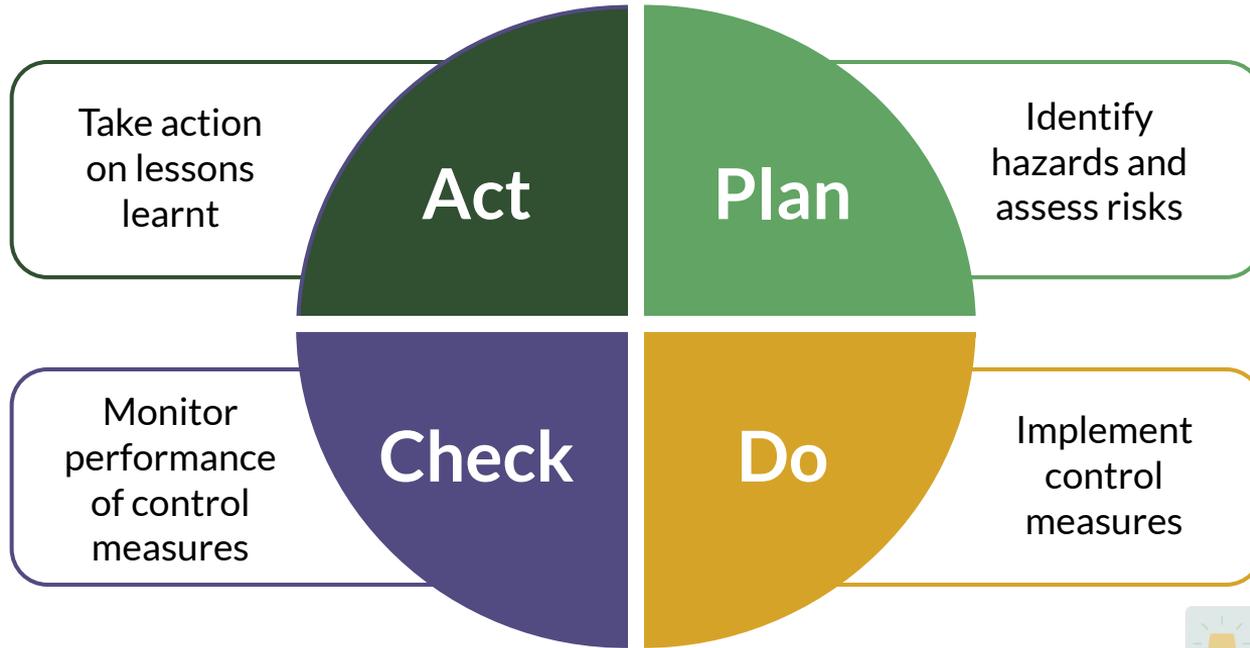
# What does the law say?

H&S legislation across NZ and AU requires organisations to provide the highest level of protection to workers and others from workplace hazards and risks, as far as is reasonably practicable. The focus is on **proactive identification and management of hazards to prevent harm before it occurs.**



# Best Practice: Plan, Do, Check, Act

ISO 45001



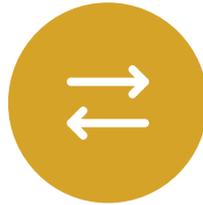
# Best Practice: Reviewing Controls

Don't wait for something to go wrong. Review the control measures regularly to ensure they are working as planned.

You should always review a control:



When it's not working



Before a change



When a new risk is identified



Consultation indicates a review is needed



HSRs request a review



# New Hazards & Risks Standard Solution in ecoPortal

The screenshot shows the 'ecoPortal H&S Demo' interface. The left sidebar contains various management modules. The main area is titled 'Hazard & Risk Register' and shows a search for 'Search Hazard & Risk R' with 10 results. The results are displayed in a table with columns for State, Name, Hazard category, Describe who can be harmed and how, Specific location, and Uncontrolled risk.

State	Name	Hazard category	Describe who can be harmed and how	Specific location	Uncontrolled risk
🟢	Fatigue	Confined spaces Lone working Psychosocial	The risk of Team Members becoming fatigued and burnt out with increased workplace stress and fatigue affecting productivity and the physical and emotional health of our team members.	17 Park Road, Glenfield, Auckland 0629, New Zealand	18
🟢	Workers falling off or through roof	Working at height	Workers installing solar panels could fall off a roof causing dislocations, broken bones, head injuries and death.	-	14
🟢	Electrical (General Safety)	Electricity	Electrocution - all staff, contractors and visitors to site	-	15
🟡	Driving	Work-related driving	Any team member who drives for work, especially sales reps and delivery drivers (though most of these are contractors)	-	25
🟢	High Voltage Cables	Electricity	Workers are at risk of electrical shock from accidental contact with exposed high-voltage cables, potentially causing serious injury.	New South Wales, Australia	15
🟢	Loading Trucks	Movement of people and vehicles in the workplace Work equipment and machinery	Employee or contractor or customer may be squashed by a pipe, or struck by a vehicle during this process.	219 Don McKinnon Drive, Albany, Auckland 0632, New Zealand	18
🟢	Speed Vehicles in Car Park	Work-related driving	Any employee of ecoPortal, including their family members or clients arriving to site. The can be hit by car going too fast and be seriously injured.	20 Saint Benedicts Street, Eden Terrace, Auckland 1010, New Zealand	18
🟢	Arc Flash Risk Near Electrical Panels	Electricity	Technicians working on electrical panels are at risk of burns or injury from sudden arc flashes.	24 Saint Benedicts Street, Eden Terrace, Auckland 1010, New Zealand	18
🟢	Hydrogen Sulfide Exposure	Hazardous substances (chemical, biological)	Maintenance workers in confined spaces may inhale toxic gases like hydrogen sulfide, which can cause respiratory issues or unconsciousness.	542 Alfred Street, Orhanga, Auckland 1061, New Zealand	21
🟢	Oxygen Deficiency in Enclosed Area	Confined spaces	Workers entering confined spaces, such as storage tanks, are at risk of oxygen deficiency, leading to suffocation.	17 Park Road, Glenfield, Auckland 0629, New Zealand	21

# Book a Follow Up Session

FOLLOW UP SESSION FORM

30-minute session with you and your team to explore how our approach to risk management could work with your processes.



# Want to learn more?

Reach out to your Customer Success Manager



George Blackburn



Lucia Fusco



Rob Leyland



George Day

Or visit us at [ecoportal.com](https://ecoportal.com)



# More on Risk Management?

Next webinar: Thursday, 27th February - 12 NOON AEDT | 2 PM NZDT | 1hr

## Beyond the Trends: Proactive Risk Management & Data-Driven Insights for WHS Teams in 2025



Daniel Stone  
Trainer / Investigator / ICAM Australia





# Questions?

Enter them into the Q&A tab.



**Sam Williams**  
Safety Solutions Partner, ecoPortal



**Craig Bleakley**  
Safety & Risk Consultant, ecoPortal

EVENT SURVEY

