

# RED! REAL EVERYDAY DANGERS

## STAY ALERT & AWARE OF THE REDs ON YOUR SITE



**LOADING & UNLOADING**



**CONFINED/  
RESTRICTED  
SPACES**



**WORKING  
NEAR LIVE  
SERVICES**



**CRANES  
& LIFTING**



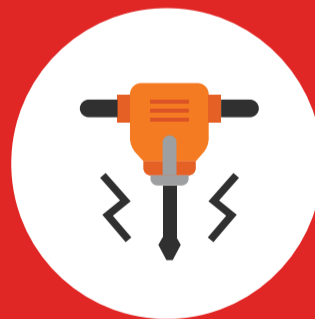
**WORKING  
AT HEIGHT**



**WORKING  
NEAR TRAFFIC  
OR RAIL**



**EXCAVATION,  
TRENCHING &  
EARTHWORKS**



**DEMOLITION  
WORKS,  
ASBESTOS  
& SILICA**



**PLANT &  
EQUIPMENT**

**Multiworks**



SCAN FOR  
MORE  
INFORMATION

# RED! REAL EVERYDAY DANGERS



## LOADING & UNLOADING

### EVERYDAY DANGERS

- ❗ **Contacting overhead services**
- ❗ **Being struck/ crushed by plant or falling objects**
- ❗ **Overloaded vehicles**
- ❗ **Load falling off during transport**
- ❗ **Workers falling from height**

### RED RULES

- Assess ground conditions. Check for soft/uneven surfaces and possible underground services.
- Identify overhead services and remember Safe Approach Distances/No Go Zones.
- Set up a Loading/Unloading Zone. Position personnel outside this zone (spotters/observers, delivery driver etc).
- Workers must hold the correct competencies/licences for the work they are to perform.
- Never place yourself between fixed/moving plant or under suspended loads.
- Do not exceed mass or dimension requirement of transport vehicles.
- Correctly secure loads before transport.
- Inspect loads and confirm they are secure before releasing restraints and unloading.

**IF THERE IS A RISK OF FALLING DURING LOADING AND UNLOADING TRUCKS, ENSURE FALL PROTECTION IS USED.**

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# EXCAVATION, TRENCHING & EARTHWORKS



## EVERYDAY DANGERS

- ⚠ **Striking**
  - **underground or overhead services**
- ⚠ **Damage to assets**
  - **or structures**
- ⚠ **Excavation or**
  - **trench collapse**
- ⚠ **Being struck/**
  - **crushed by**
  - **operating plant**
  - **or falling objects**
- ⚠ **Plant/personnel**
  - **falling into trench/**
  - **excavation**

## RED RULES

- Assess the ground conditions every day before work commences.
- Completed excavation permits are to be in place and all controls implemented.
- Excavations > 1.0M in depth will be benched, battered or have appropriate protection installed to prevent ground collapse.
- To prevent falls use edge protection or barriers. This includes safe access into the trench/excavation.
- Never enter the plant operating zone without permission from the spotter/operator.
- The dedicated spotter/observer is to maintain clear communication for all excavation works.
- Never place yourself between operational mobile plant and a potential crush hazard.
- Always operate plant and equipment on safe and stable footing.

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## WORKING NEAR LIVE SERVICES

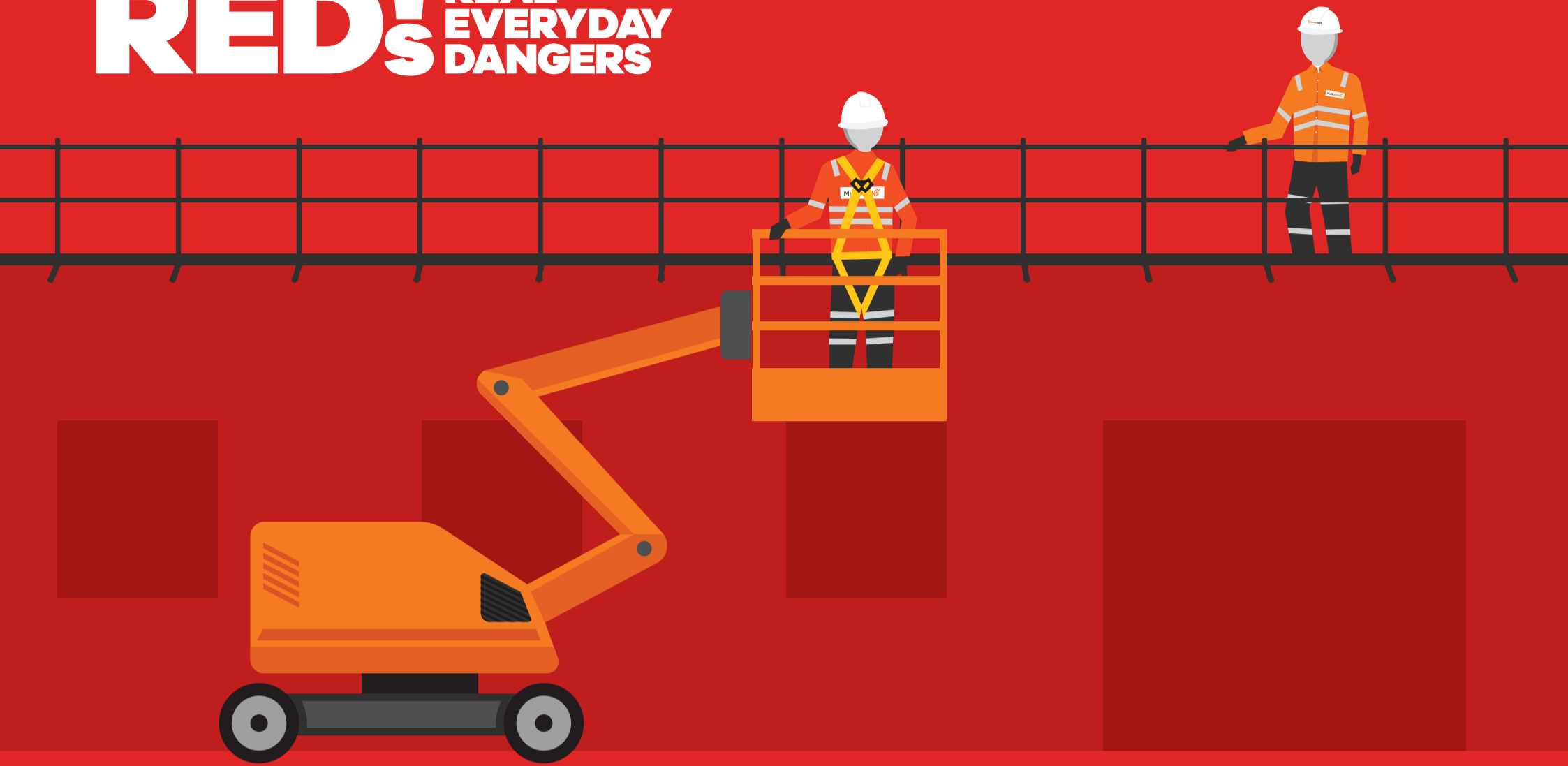
### EVERYDAY DANGERS

- ⚠️ **Striking**
  - **underground or overhead services**
- ⚠️ **Electrical injury**
  - **or electrocution**
- ⚠️ **Impacting utility networks**
- ⚠️ **Damage to plant/services/assets**
- ⚠️ **Fire/explosion**

### RED RULES

- Obtain all necessary approvals from the asset owners and understand any permits and/or restrictions in place.
- Never encroach Safe Approach Distances (SAD's) or No-Go Zones.
- Positively identify underground services. This means: Obtain Dial Before You Dig, and use Ground Penetrating Radar (GPR) and/or Non-Destructive Digging (NDD).
- Install markers to indicate service height/depth/location.
- Works near live services MUST have a spotter or safety observer (always maintain clear communication).
- Before penetrating any walls/floors/slabs always investigate for live services.
- NDD or hand dig if you are within 300mm of known services.
- Excavating in the vicinity of services is to be conducted with a blade type bucket.

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## WORKING AT HEIGHT

### EVERYDAY DANGERS

❗ **Personnel falling from height**

❗ **Dropped objects**

### RED RULES

- Assess the need for the works to be completed at heights.
- Ensure correct permits are completed where required.
- Ensure all personnel working at height or operating EWP's hold the competencies for the required task.
- When working at heights ensure drop zones, barricades and signage are installed prior to works.
- Assess ground conditions prior to operating an EWP or setting up scaffold.
- A harness should never be the primary means of fall protection.
- To reduce the risk of dropped objects use lanyards.
- Engineered edge protection systems must be installed as per manufacturer instructions including handrails and kick boards.
- Ensure fall protection equipment is inspected and maintained in accordance with the current Australian Standard.

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## CRANES & LIFTING

### EVERYDAY DANGERS

- ❗ **Plant onboarding**
- ❗ **Contacting overhead services**
- ❗ **Lifting equipment failure**
- ❗ **Loads falling**
- ❗ **Crane/plant overturning**

### RED RULES

- Cranes must be serviced and maintained to required standards (Green Sticker).
- Daily prestarts are to be conducted by a competent person prior to use.
- Lifting gear is to be tested/certified and inspected before use.
- Identify overhead services and use electrical spotters.
- Before set up and crane lifting commences, assess ground conditions.
- Crane crews must hold the correct competencies/licences.
- Rated lifting capacities are never to be exceeded.
- Never enter the plant operating zone without permission from the dogman/spotter/operator.
- For loads exceeding 80% of the SWL a Crane Lift Plan must be completed and approved prior to commencement of works.
- Never lift or suspend loads over people.
- Installation of temporary works are to be in accordance with an engineered temporary works design.



## PLANT & EQUIPMENT

### EVERYDAY DANGERS

- ▼ **Plant or equipment failure**
- ▼ **Plant rollover**
- ▼ **Plant or vehicle collision**
- ▼ **Being struck or crushed by operating plant**

### RED RULES

- Ensure plant is risk assessed, in service and correctly maintained.
- Operators must inspect all plant and equipment before use. Unsafe plant/equipment to be tagged out.
- Plant operators must hold the correct competencies/licences prior to operating.
- Assess ground conditions before any movement of plant.
- Operators are responsible for plant selection and are to have knowledge of its operating capacity.
- Follow traffic management or vehicle and plant movement plans.
- Separate people and plant by setting up exclusion zones.
- Never enter the plant operating zone without permission from the spotter/operator.
- Use a spotter/safety observer when it is a nominated control.
- Seat Belts to be worn where fitted.
- Mobile phone use is prohibited in the plant operating zone.



## CONFINED/RESTRICTED SPACES

### EVERYDAY DANGERS

- ❗ **Unauthorised access to the confined space**
- ❗ **Exposure to air contaminants**
- ❗ **Suffocation from a lack of oxygen**
- ❗ **Fire or explosion**
- ❗ **Engulfment/ Drowning**

### RED RULES

- Adequate pedestrian barriers are to be installed around the works area with only 1 entry/exit point.
- All personnel involved in Confined Space Entry have the correct units of competency.
- A risk assessment must be conducted by a cross section of the work force prior to confined space works.
- Complete a confined space entry permit, appoint a stand-by person and a confined space entry Supervisor to control entry.
- Always test the atmosphere before, during and after confined space works.
- All required safety and rescue equipment is (inspected), maintained and fit for purpose (respirators, harness's, davit arm, tripod, fire extinguishers, stretcher etc).
- An emergency rescue plan is developed and tested before works commence.
- Provision for adequate cross ventilation prior to entering confined space.
- Fall protection, temporary access or rescue systems are to be installed in accordance with project risk assessments.
- Substitute out dangerous chemicals where possible, and always review the SDS.

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# WORKING NEAR TRAFFIC OR RAIL

## EVERYDAY DANGERS

- ⚠ **Being struck/  
crushed by moving  
plant or rail  
vehicles**
- ⚠ **Plant or vehicle  
collision**
- ⚠ **Traffic incident  
on site**
- ⚠ **Injury to members  
of the public**

## RED RULES

- Permits or Approvals are to be obtained prior to works.
- Site vehicle movement and traffic management plans are to be developed and implemented.
- Works on or next to roads follow all Councils or VicRoads requirements.
- All works within the rail corridor are to be conducted with permits, a TFPC or OSO.
- Traffic controllers and rail workers must hold all relevant and current competencies.
- Hi-visibility PPE worn is to be compliant with the road or rail standards.
- Walking or working in the deflection zone of road barriers is not permitted.

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## DEMOLITION WORKS, ASBESTOS & SILICA

### EVERYDAY DANGERS

- ❗ **Workers exposed to asbestos or silica**
- ❗ **Workers struck by falling/flying objects**
- ❗ **Contact with services**
- ❗ **Structural collapse**
- ❗ **Entanglement with moving parts**

### RED RULES

- Services in the works area are to be identified and isolated.
- Reduce the risk of exposure to dust using water or vacuum system controls.
- If suspected Asbestos containing material is found, isolate the area, and arrange for it to be tested.
- Only licenced personnel will carry out asbestos removal work.
- Establish a sequence methodology and demolition control plan prior to works.
- Saw cutting deeper than 300mm requires an Excavation Permit.
- Where temporary propping or support systems are required, they must be designed and approved by a competent engineer.
- Demolition zones are not to be entered without approval from the demolition supervisor.
- Inspect all plant and tools before use, ensure correct guarding is in place.
- Always wear the correct PPE nominated in the SWMS (e.g. respiratory and eye/face protection).