

CRITICAL RISKS



PIT STOP



engage. challenge. fix.

WHY DO A PIT STOP?

You are the reason that work goes well.

You are the task expert. We want you to share, discuss, and act on your knowledge.

A Pit Stop is an opportunity to stop and have a conversation about the task. It can be done:

- Before starting work
- During work
- If something changes.

Pit Stop conversations find out:

- How well the controls work
- How safe the job is.

engage. challenge. fix.



WORKING AT HEIGHTS



▶ Skilled & experienced workers

▶ Edge of height protected

▶ Emergencies planned for

▶ Safe access & egress

▶ Fit for purpose work at heights equipment

▶ Safe work area below

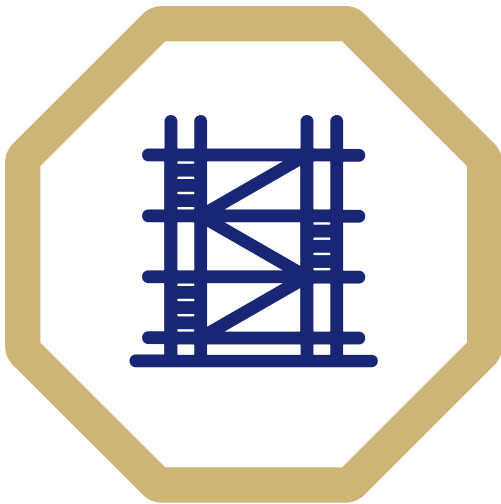


▶ Loose items secured

▶ Suitable anchor points



WORKING AT HEIGHTS



SCAFFOLDING



Skilled & experienced scaffolders

Regular inspections

Plans for complex scaffolds

Regular inspections

Safe to use



Erection & dismantling method

Stable conditions



SCAFFOLDING



DEMOLITION



▶▶ Exposure to hazardous chemicals & materials prevented

▶▶ Structural integrity maintained as needed

▶▶ Work authorised

▶▶ Safe work area

▶▶ Planned method & sequence

▶▶ Services identified & managed


▶▶ Skilled & experienced workers



DEMOLITION



ASBESTOS

 **Skilled & qualified workers** **Qualified
asbestos
removal
company** **Air monitoring** **Workers
protected** **Clearly
identified
asbestos** **Enclosed
work area
with restricted
access** **Appropriate
disposal
of waste** **Containment of asbestos****ASBESTOS**



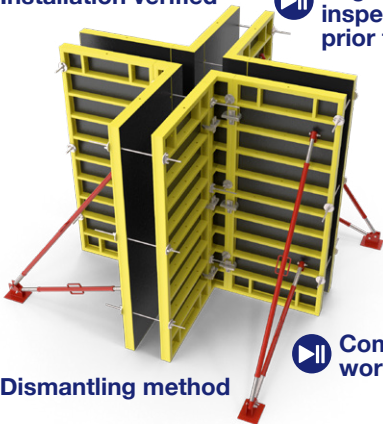
FORMWORK



▶▶ Designed by qualified person

▶▶ Installation verified

▶▶ Engineer inspection prior to pour



▶▶ Dismantling method

▶▶ Competent workers

▶▶ Safe access & egress



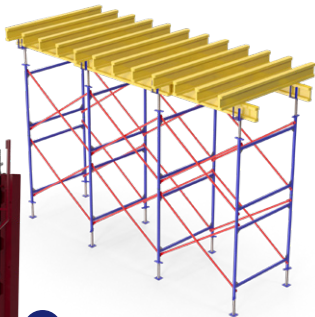
FORMWORK



TEMPORARY WORKS



▶|| **Designed by qualified person**



▶|| **Installation verified**



▶|| **Competent workers**

▶|| **Erection & dismantling method**

▶|| **Up-to-date drawings available**

▶|| **Regular inspections**



TEMPORARY WORKS



CONFINED SPACES



▶▶ Continuous monitoring & communication

▶▶ Atmospheric testing prior to entry



▶▶ Confined space permit

▶▶ Potential hazards isolated

▶▶ Trained & competent workers

▶▶ Unauthorised access prevented

▶▶ Emergencies planned for



CONFINED SPACES



EXCAVATION, CONCRETE PENETRATION AND SERVICES



 **Work authorised**

 **Unauthorised access prevented**

 **Regular inspection**

 **Safe work area**



 **Safe work environment inside excavation**

 **Integrity of excavation maintained**

 **Location of essential services identified**



EXCAVATION, CONCRETE
PENETRATION AND SERVICES



TUNNELLING

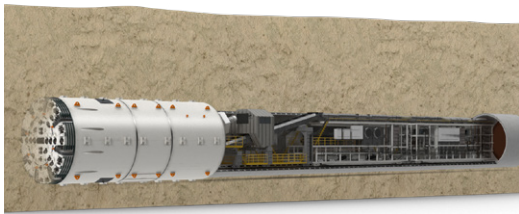


▶▶ **Tunnel & construction method designed by qualified engineer**

▶▶ **Structural integrity**

▶▶ **Continuous communication**

▶▶ **Safe access & egress**



▶▶ **Commissioned TBM**

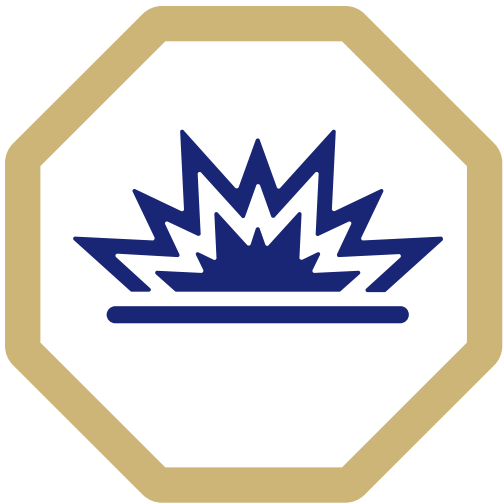
▶▶ **Controlled access**

▶▶ **Emergencies planned for**

▶▶ **Safe atmosphere**



TUNNELLING



DRILL AND BLAST MANAGEMENT



Safe management of explosives & blasting agents



DRILL AND BLAST MANAGEMENT



ISOLATION



▶ Isolation verified



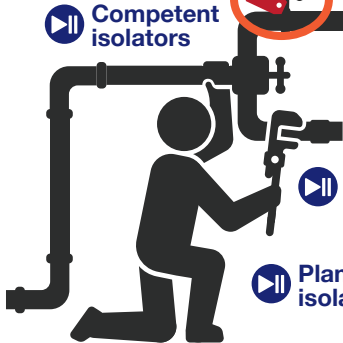
▶ Fit for purpose isolation locks & equipment

▶ Competent isolators

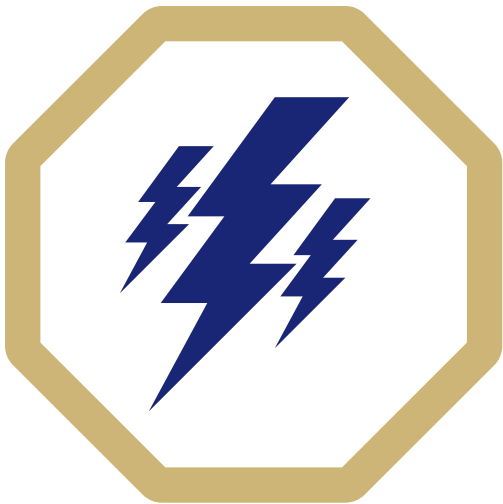


▶ Zero stored energy

▶ Planned isolation points



ISOLATION



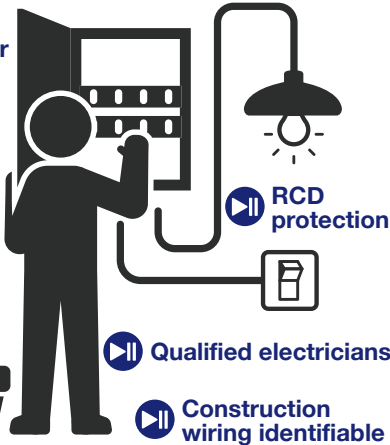
ELECTRICAL SAFETY



▶▶ No live work

▶▶ Compliant switchboards

▶▶ Regular testing



▶▶ Protection from mechanical damage



ELECTRICAL SAFETY



HAZARDOUS SUBSTANCES



▶▶ Safety data sheets available

▶▶ Containment

▶▶ Correct handling & transport

▶▶ Correct PPE

▶▶ Labelled containers

▶▶ Emergencies planned for



WARNING
FLAMMABLE
MATERIAL
STORAGE AREA



▶▶ Suitable storage ▶▶ Hazards known



HAZARDOUS SUBSTANCES



TILT-UP AND PRECAST CONCRETE



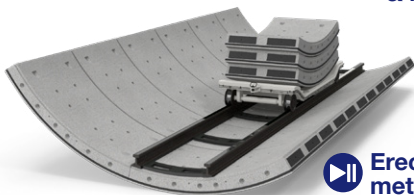
▶ Organised transport & delivery

▶ Regular inspection of propping & bracing

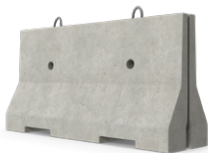
▶ Documented lift plan



▶ Propping & bracing



▶ Erection methodology



▶ Designed by qualified engineer

▶ Verification & inspection



TILT-UP & PRECAST CONCRETE



PLANT AND EQUIPMENT



▶▶ Safe access & egress

▶▶ Right plant for the job

▶▶ Unobstructed workspace

▶▶ Skilled & experienced operators

▶▶ Controlled movement of plant



▶▶ Safe work site for people

▶▶ Stable ground conditions



PLANT AND EQUIPMENT



TRAFFIC MANAGEMENT



Appropriate Traffic Guidance Scheme (TGS)



Traffic management designed by qualified person



Regular inspection & monitoring



Safe working conditions



Public kept safe



Trained & experienced workers



TRAFFIC MANAGEMENT





CRANES AND LIFTING OPERATIONS



▶▶ Planned lift

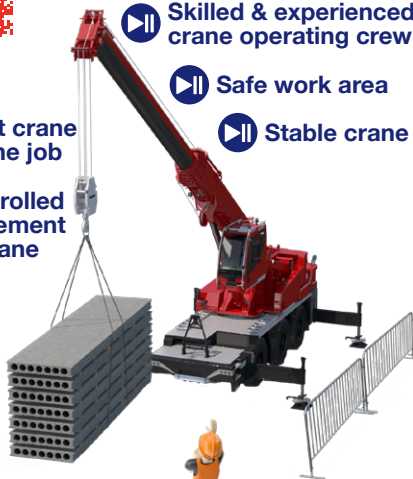
▶▶ Skilled & experienced crane operating crew

▶▶ Safe work area

▶▶ Right crane for the job

▶▶ Stable crane

▶▶ Controlled movement of crane



▶▶ Unobstructed workplace

▶▶ Controlled movement of the load



CRANES AND LIFTING OPERATIONS



WORKING OVER WATER



▶▶ **Fall protection**

▶▶ **Life jackets**

▶▶ **Emergency rescue equipment**

▶▶ **Maritime registered vessels**



▶▶ **Qualified & fit dive personnel**



WORKING OVER WATER

QUESTIONS TO ASK DURING A PIT STOP

- ▶ Is the team well-informed about the hazards and controls for this task?
- ▶ Is the team trained for this task?
- ▶ Are the controls we are using today well suited to this task?
- ▶ Is there anything else we need to do to ensure the work is safe today?
- ▶ What has been helpful for this task?
- ▶ What makes this task difficult?

WHAT TO DO AFTER A PIT STOP?

Depending on what was found, here are some options on what to do after a Pit Stop:

engage.

Share your findings with others.

challenge.

Conduct a Workers Insight to identify ideas, solutions and actions to improve the way the task is done.

fix.

Stop the task until effective controls are implemented.
