

Brick Pack Unloading R	obot SAFE WORK METHO	DD STATEMENT (SWMS)	
TASK O	R ACTIVITY: Brick Pack Unloadi	ng Robot	
Business Name: [Company Name]		ABN: [ABN]	SWMS#
Business Address: [Company Address]			
Contact Person:	Phone: [Phone]	E fil:	
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	THE P. OF THE PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	cting a business or undertaking (I SU) is	required to ture at a safe work method s	statement (SWMS) is prepared before
Full Name:			
Signature:		Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring	compliance of the SWMS well as review	s and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS WMS. ST HAVE THE FOLLOWING COMMUNICATED		LL RELEVANT PERSONNEL WHO HAVE B PMENT AND APPROVAL OF THIS SWMS	EEN CONSULTED AND
Safety meetings or toolbox talks will be sched ed in accordance with agislative requirements to first identify any site hazards, conditions unical those hazards and then to further take steps to either the conditions of the cond	NAME	SIGNATURE	DATE
If an incident or a near miss occurs, all work must steam ately. Depending on the severity of the incident, a meeting will be called with all workers to amend the SWMS if required. The meeting may also be an educational opportunity.			
Any changes made to the SWMS after an incident or a near miss must be approved by the Person Conducting Business or Undertaking and communicated to all relevant personnel.			
The SWMS must be kept and be available for inspection at least until the work is completed. Where a SWMS is revised, all versions should be kept. If a notifiable incident occurs in relation to which the SWMS relates, then the SWMS must be kept for at least two years from the occurrence of the notifiable incident.			



CLIENT OR PRINCIPAL CONTRACTOR DETAILS										
Client:						SCOPE OF WORKS				
Project Name:				Provide a detailed description	n of the specific work being	carried out (otherwise				
Project Address:					known as cope of works).					
Project Manager:										
Contact Phone:										
Project Manager Sig	gnature:									
Date SWMS supplied to Project Manager:										
ANY HIGH-RISK CON PUCT NO JRK BEING CARRIED OUT										
☐ involves a risk of a p	erson falling more than 2 n	neters.		is carried out on or near pressurised gas mains or piping.						
is carried out on a te	lecommunication tower.		M + M	is carried out on	is carried out on or near chemical, fuel or refrigerant lines.					
☐ involves demolition of	of an element of a structure	that is load-be		is carried out on	is carried out on or near energised electrical installations or services.					
☐ involves demolition of	of an element related to the	e physical integrit of a str	3	is carried out in	☐ is carried out in an area that may have a contaminated or flammable atmosphere.					
☐ involves, or is likely t	o involve, disturbing a es	stos.		involves tilt-up or precast concrete.						
☐ involves structural al	teration or repair that re	mporal, upp to p	prevent collapse.	is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor.						
is carried out in or ne	ear a confined space.			is carried out in an area of a workplace where there is any movement of powered mobile plant.						
☐ is carried out in/near	a shaft or trench deeper th	nan 1.5m or tunnel involvir	ng use of explosives.	☐ is carried out in areas with artificial extremes of temperature.						
is carried out in or ne	ear water or other liquid tha	at involves a risk of drowning	ng.	involves diving v	vork.					
		ANY H	IGH-RISK MACHINER	RY OR EQUIPMEN	NT NEARBY					
☐ Forklift	☐ Crane/s	☐ Hoist/s	☐ Excavator	☐ Backhoe/Loader	Boom Lift	□ EWP	☐ Genie Lift			
☐ Trencher	☐ Drilling Rig	Trucks	Formwork	☐ Bobcat	☐ Flammable Gas	☐ Fuel	☐ Dozer			
☐ High Voltage	☐ Mulcher	☐ Tilt-up Panels	Roller	☐ Scissor Lift	☐ Tractor	☐ Other -				





FOOT HAND **HEAD HEARING** SPIRATORY FACE HIGH-VIS **PROTECTIVE** FALL SUN HAIR/JEWELLERY CLOTHING **PROTECTION PROTECTION** PROTECTION **PROTECTION** PROTE DTECTION **PROTECTION** CLOTHING **PROTECTION PROTECTION SECURED**

Select me appropriate PPE above suitable for the equipment used or the job task being performed (if applicable).

Note: A SWMS must be reviewed regularly to make sure it remains effective. A SWMS must be reviewed (and revised if necessary) if relevant control measures are revised. The review process should be carried out in consultation with workers (including contractors and subcontractors) who may be affected by the operation of the SWMS and their health and safety representatives who represented that work group at the workplace.

When a SWMS has been revised, the person conducting a business or undertaking must ensure all:

- 1. persons involved in the work are advised that a revision has been made and how they can access the revised SWMS;
- 2. persons who will need to change a work procedure or system as a result of the review are advised of the changes in a way that will enable them to implement their duties consistently with the revised SWMS: and.
- 3. workers that will be involved in the work are provided with the relevant information and instruction that will assist them to understand and implement the revised SWMS.



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR	RESPONSIBLE PERSON
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
1. Preparation	Slips, trips and falls, incorrect PPE usage	2M	 Housekeeping and Work Area Maintenance: Regularly maintain a clean work area to prevent accumulation of debris that may lead to skin, trips, and falls. Ensure walkways are free of obstacles and hazards. Appropriate Footwear: Workers must west appropriate non-slip safety shoes at all times while on the job site to minimise the not of falls discossippery surfaces. Proper PPE Usage Training: Conduct regular and gessions with workers on the importance of wearing PPE correctly, as well as a wito choose lear, and maintain the necessary equipment for a lir specific tasks. Adequate Lighting and fissibility Insure adequate in ang is available in the work area, and highlig dany possibility Insure adequate in ang is available in the work area, and highlig dany possibility in a surface equipment and materials safely and seturely with not interest, reducing to a sky of slips, trips, and falls from misplant items. Risk is a sment, anduct risk assessments to identify and mitigate potential hazard being common coing work, including consideration of the layout, ground condition, we her, an accurrounding work activities. Anear Sanage at Barricades: Use clear signage to indicate designated work area, and azards, and install barricades or warning tape where appropriate to estrict and thorised access. Anill Prevention and Response: Implement practices to prevent and respond to spike quickly and effectively, such as using absorbent materials, to reduce the risks of slips and falls. Regular Inspection of Work Area: Conduct regular inspections of the work area to identify and address any newly emerging hazards, ensuring that control measures remain effective throughout the project. Employee Reporting System: Establish an effective reporting system for employees to report any hazards, near misses, or incidents related to slips, trips, and falls. Encourage a "see something, say something" culture. Emergency Response Training: Provide regular emerge	1L	
2. Robot inspection	Electrical faults, risk of entrapment	ЗН	Conduct a thorough inspection of the robot's electrical components, including power cables and connections, to identify any visible damages or wear that may cause electrical faults. Regularly maintain and service the robot according to the manufacturer's guidelines to ensure its components are in proper working condition.	1L	



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			- Ensure all workers involved with the robotic brick pack unloading process have received adequate training on operating the robot safely, including emergency shutdown procedures.		
			- Implement lockout/tagout (LOTO) procedures isolating the robot's energy sources during maintenance or repair work eventing accidental startup and exposure to electrical hazards.		
			- Install safety sensors and warning devices, standards, to notify workers when the robot is active and help there would entrapment hazards.		
			- Provide proper per per protective equipment (PPE coluding gloves, safety glasses, and instructed four ear, it is duce the risk of electrical shock and injuries from potential outrapments cations		
			- Establish exception zone around the consistency of some dentally into generating area to prevent workers from tentally into generating and becoming entrapped.		
			- Use value or guards, if necessary, to restrict access to the robot's moving and educing the risk of inadvertent entrapment.		
			Develor and plement standard operating procedures (SOPs) for the safe use a long mmin of the robot, and ensure all workers follow these guidelines to avoid a doub situations.		
			nspect the robot's emergency stop function regularly to ensure it operates extively in case of an emergency or unforeseen risk occurrence.		
			Perform a risk assessment periodically to identify and control potential hazards associated with the robot's operation, and update the SWMS as needed.		
			- Schedule regular team meetings and safety briefings to discuss hazard awareness, share information about incidents or near-misses, and promote open communication among workers regarding safety concerns.		
			- Encourage workers to report any observed issues, defects, or potential hazards with the robot so that preventative action can be taken to minimise risks.		
			- Provide first aid and emergency response equipment nearby, and ensure all workers are trained on how to use them effectively in case of an electrical or entrapment-related incident.		
			- Ensure that only trained and authorised personnel are allowed to operate the brick pack unloading robot.		
3. Power up robot	3. Power up robot Electrical shocks, unexpected start-up	3H	- Perform regular inspections of electrical components, wiring and connections for signs of wear or damage, and replace or repair them as needed.	2M	
			- Install ground fault circuit interrupters (GFCIs) or residual current devices (RCDs) to prevent electrical shocks by detecting any imbalance in current flow and disconnecting power.		



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			 Implement a lockout/tagout procedure to isolate and secure the robot's power source when maintenance is required, preventing unexpected start-up. 		
			- Encourage employees to use appropriate person protective equipment (PPE) including insulated gloves, safety footwear, appropriate person protection while working with or near the robot.		
			- Maintain a clean and clutter-free workspace, round porick pack unloading robot to minimise trip hazards and allow operators compositive of the area.		
			- Establish clearly marked by daries around the pot's opening area using barriers, warning signs, or floor arkings to preven have used access.		
			- Provide adequate grown around the work area, ensuring all electrical connections and potential beards are cally visited.		
			- Incorporate ergency of buttons the reach of all workers in the vicinity of the robot abling on to ad down power in case of an emergency.		
			- Region review of update standard operating procedures (SOPs) for the robot, training procedures are set practices to safely and efficiently operate the equipment.		
			- Develor an incident response plan that includes immediate actions to take in case electrical show unexpected start-up, or other emergencies involving the robot.		
			- Per mutine testing of controls and safety features to ensure they are notional correctly and can detect faults efficiently.		
			- hedule regular maintenance and servicing of the brick pack unloading robot, following the manufacturer's guidelines to prevent the risk of failure or malfunction.		
			- Monitor the workplace environment for changes such as weather conditions, moisture, or dust that can impact the robot's performance or create additional safety risks, and adapt safety measures accordingly.		
4. Positioning robot	Collision with other equipment, worker injury	2M		1L	



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5. Syncing control systems	System failure, unauthorised access	2M		1L	



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6. Loading bricks	Improper lifting, crushing injuries	2M		1L	



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7. Robot operation	Risk of pinching, so uck by brick	ЗН		1L	



		CONTROL MEASURES	RR	RESPONSIBLE PERSON
HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
ction, fatigue	2M		1L	
	tion, fatigue			



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9. Clearing jams	Entanglement, crush injuries	ЗН		1L	



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10. Robot shut down	Unexpected shutdown, incomplete system stop	2M		1L	



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11. Cleaning and maintenance	Contact with chemicals, cuts from sharp surfaces	2M		1L	



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12. Secure robot for storage	Incorrect disconnection, potential for theft	2M		1L	



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EMERGENCY RESPONSE - CALL 000 FOR EMERGENCIES

Ensure to have an Emergency Management Plan in place as well as adequate numbers of trained first aid staff with easy access to fully stocked first aid kits, rescue equipment, material safety data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

LEGISLATIVE REFERENCES

RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES. ANY STATE OF AT ARE NOT APPLICABLE.

Queensland & Australian Capital Territory

Work Health and Safety Act 2011

Work Health and Safety Regulations 2011

 $\textbf{Legislation QLD:} \ \underline{\textbf{https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws}$

Codes of Practice QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice Legislation ACT: https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations

Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice

New South Wales

Work Health and Safety Act 2011

Work Health and Safety Regulations 2017

Legislation NSW: https://www.safework.nsw.gov.au/legal-obligations/legislatide

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 201

Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/wo_place-

Codes of Practice NT: https://worksafe.nt.gov.au/5

South Australia

Work Health and Safety Act 2012 (SA)

Work Health and Safety Regulations 2012 (SA)

Legislation for SA: https://www.safework.sa.gov.au/resources/legislation

Codes of Practice for SA: https://www.safework.sa.gov.au/work_aces/codes-of-practice#COPs

Tasmania

Work Health and Safety Act 2012

Work Health and Safety (Transitional and Consequential Provisions) Act 2012

Work Health and Safety Regulations 2012

Work Health and Safety (Transitional) Regulations 2012

Legislation for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations

Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice

Details of permits, licenses or access required by regulatory bodies (add or delete as required):

- Permits from local council
- Authorisation to commence work
- Any required documents.

Victoria

Occupational Health all Safety Act 34

Occupational Health and Infety gulations 2017

Legis on VIC: https://www.safe.vic.gov.au/occupational-health-and-safety-act-and-

<u>qulat.</u>

des on actice VI autros://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice

Western Australia

Work Health and Safety Act 2020

Work Health and Safety Regulations 2022

Legislation Western Australia: https://www.commerce.wa.gov.au/worksafe/legislation

Codes of Practice WA: https://www.commerce.wa.gov.au/worksafe/codes-practice

Safe Work Australia Links

Law and Regulation (All States): https://www.safeworkaustralia.gov.au/law-and-regulation Model Codes of Practice: https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice

Model Codes of Practice

- Managing noise and preventing hearing loss at work
- Confined spaces
- Labelling of workplace hazardous chemicals
- Managing risks of hazardous chemicals in the workplace
- Welding processes
- First aid in the workplace
- Managing the risk of falls at workplaces
- Hazardous manual tasks
- Managing the risk of falls in housing construction
- Managing electrical risks in the workplace
- Demolition work
- Excavation work
- Work health and safety consultation, cooperation and coordination
- Managing the work environment and facilities
- How to manage work health and safety risks
- Managing risks of plant in the workplace
- Construction work



SIGNATORIES OF THE SAFE WORK METHOD STATEMENT

The signed and dated personnel listed below have cooperated in the consultation and development of this Safe Work Method Statement which has been approved by the Person/s Conducting a Business or Undertaking (PCBU). In signing this Safe Work Method Statement each individual acknowledges and confirms that they have read this SWMS in full, having raised any questions for items on this Safe Work Method Statement that require clarification, and confirms that they are competent, skilled and knowledgeable for the task assigned to them. Every person acknowledges that they have received the relevant training and qualifications where required, before carrying out any work contained in this Safe Work Method Statement. By signing this Safe Work Method Statement each individual agrees to work safely, to follow any safe work instructions which are provided, and agrees to use all Personal Protective Equipment where appropriate.

Tollow any sale work instructions which are provided, and agrees to use an reisonal riotective Equipment where appropriate.								
Worker Name	Pos	sition	Signature	Date	Time	Sup	pervisor	
				Date:				
				_				
				Date				
			l te:					
			AV	Date:				
				Date:				
				Date:				
				Date:				
		SAF WO A S	THUD STATEMENT	MONITORING AND	REVIEW			
The SWMS must be reviewed regularly to the ke sure it remains effective and must be reviewed (and revised if necessary) if relevant control measurements are subcontracted by process should be carried out in consultation with workers (including contractors are subcontracted) who may be affected by the operation of the SWMS and their health and safety representatives who researched that work group at the workplace. When the SWMS has been revised the PCBU must ensure that all persons involved with the work are advised that a revision has been made and how they can access the revised SWMS, including all persons who will need to change a work procedure or system as a result of the review are advised of the changes in a way that will enable them to implement their duties consistently with the revised SWMS. All workers that will be involved in the work must be provided with the relevant information and instruction that will assist				The SWMS must be monitored regularly for the effectiveness of ensuring hazard controls are effective in reducing the risk of incidents, keeping the workplace safe for all personnel. The person responsible for monitoring the effectiveness of the Safe Work Method Statement should employ a multi-faceted approach which includes but is not limited to: 1. Spot Checks. 2. Consultation with workers, contractors and sub-contractors. 3. Internal audits on a continual basis. An approach of continuous improvement, promptly recording inconsistencies or deficiencies, followed up by immediate corrective action and consultation with all relevant personnel ensures				
them to understand and imp					tently developing ever-imp	3 ,	' '	
REVIEW NUMBER	1	□ 2	□ 3	□ 4	□ 5	□ 6	□ 7	
NAME								
INITIALS								
DATE								



SAFE WORK METHOD STATEMENT REVIEW CHECKLIST

This Safe Work Method Statement Review Checklist is to be followed and used upon initial development of the SWMS to help ensure that all steps have been adequately taken before work commences. Think of this document as an internal audit review checklist before commencing work, and may form part of a Toolbox Talk (safety meeting) and may be used as an opportunity for education and training.

ITEMS WHICH MUST BE INCLUDED IN THE SWMS	COMPLETED	TO BE DONE	COMMENTS
The company details have been entered, including the project name and address.			
Names and signatures of all relevant personnel consulted during the development of the SWMS.		P P	
Name, signature, position and date signed of the person approving the SWMS.			
Specific personnel and qualifications, experience is noted in the SWMS.	P		
Provides a step-by-step process of tasks required to carry out the activity or task.			
Adequate risk assessment of any identified hazards has been completed.			
Foreseeable hazards are identified and documented for each step.			
Any hazards listed in any site risk assessments have been added to the SWh			
SWMS initial risk (IR) column as well as residual risk (RR) columns completed.			
Check control measures added to the SWMS are the most effecting so tions.			
Responsible person is assigned and listed on the SWMS for the imperent of continue assures.			
Permit requirements specified, such as Hot Work, Veralt Heights etc.			
SWMS identifies plant and equipment to be u d.			
Details of inspection checks required for any equipment listed are noted on the SWMS.			
Describes any mandatory qualifications, experience raining skills required to perform the work.			
Applicable personal protective equipment is selected on the SWMS.			
Lists any required permits or licenses.			
Reflects and documents any legislative references and/or Australian Standards.			
dentifies any hazardous substances used with specific control measures in line with any SDS.			
REVIEWED BY	DATE R	EVIEWED	
SIGNATURE	DATE CO	MPLETED	