Brick Pack Unloading Robot   SAFE WORK METHOD STATEMENT (SWMS)								
TASK C	R ACTIVITY: Brick Pack Unloadin	ng Robot						
Business Name: [Company Name]		ABN: [ABN]	SWMS#					
Business Address: [Company Address]								
Contact Person:	Phone: [Phone]	E ail:						
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	THE P. J OF THE PROJECT						
Under the Work Health and Safety Regulation (WHS Regulation), a person conductive proposed work starts.	cting a business or undertaking (k 3U) is	required to ture that a safe work method s	tatement (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	Note and dated signature of a communicated to in the develo	LL RELEVANT PERSONNEL WHO HAVE B OPMENT AND APPROVAL OF THIS SWMS	EEN CONSULTED AND					
Safety meetings or toolbox talks will be sched ed in accordance with egislative requirements to first identify any site hazards, conduct on unical those hazards and then to further take steps to either conduct or conduct each hazard.	NAME	SIGNATURE	DATE					
If an incident or a near miss occurs, all work must structurately. 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:							rk being carried out (otherwise				
Project Address:			k	nown as scope of works).							
Project Manager:											
Contact Phone:											
Project Manager	Signature:										
Date SWMS supplied to Project Manager:											
		ANY HIG	H-RISK CON YUCI	N. JRK BEING	ARRIED OUT						
involves a risk of	a person falling more than	2 meters.		is carried out on or near pressurised gas mains or piping.							
is carried out on a	a telecommunication tower.			☐ is carried out on or near chemical, fuel or refrigerant lines.							
involves demolition	on of an element of a struct	ure that is load-be		is carried out on or near energised electrical installations or services.							
involves demolition	on of an element related to	the physical integrit of a s	17 e.	is carried out in an area that may have a contaminated or flammable atmosphere.							
involves, or is like	ely to involve, disturbing a	estos.		involves tilt-up or precast concrete.							
involves structura	al alteration or repair that re	mporal upp to	prevent collapse.	is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor.							
is carried out in o	r near 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/n	ear a shaft or trench deepe	er than 1.5m or tunnel involv	ving use of explosives.	is carried out in areas with artificial extremes of temperature.							
is carried out in o	r near water or other liquid	that involves a risk of drow	ning.	involves diving wo	k.						
		ANY	HIGH-RISK MACHINE	RY OR EQUIPMENT	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 -					







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	2М	<ul> <li>Housekeeping and Work Area Maintenance: Regularly maintain a clean work area to prevent accumulation of debris that may lead to sho, trips, and falls. Ensure walkways are free of obstacles and hazards.</li> <li>Appropriate Footwear: Workers must wear uppropriate non-slip safety shoes at all times while on the job site to minimise the number of falls draws slippery surfaces.</li> <li>Proper PPE Usage Training: Conduct regular up gessions with workers on the importance of wearing PPE or rectly, as well as to to choose ear, and maintain the necessary equipment for hir specific tasks.</li> <li>Adequate Lightino, and sibility is insure adequate learing is available in the work area, and highlighting in sure adequate learing is available in the work area, and highlighting in sure adequate learing is available in the work area, and highlighting insure adequate learing is available in the work area, and highlighting insure adequate learing is available in the work area, and highlighting insure adequate learing is available in the work area, and highlighting insure adequate learing is available.</li> <li>Safe Storation of Equipme and Maxiels: one equipment and materials safely and securely with not induce, reducing units of slips, trips, and falls from misplant items.</li> <li>Risk is sement annotic risk assessments to identify and mitigate potential hazard open communicing work, including consideration of the layout, ground condition, we here, and unrounding work activities.</li> <li>Areas indicates and effectively, such as using absorbent materials, to reduce the risks is slips and falls.</li> <li>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.</li> <li>Employee Reporting System: Establish an effective reporting system for employees to report any hazards, near misses, or incidents related to slips, trips, and falls.</li> <li>Employee Reporting System: Establ</li></ul>	1L	
2. Robot inspection	Electrical faults, risk of entrapment	ЗН	<ul> <li>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.</li> <li>Regularly maintain and service the robot according to the manufacturer's guidelines to ensure its components are in proper working condition.</li> </ul>	1L	



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			<ul> <li>Ensure all workers involved with the robotic brick pack unloading process have received adequate training on operating the robot safely, including emergency shutdown procedures.</li> <li>Implement lockout/tagout (LOTO) procedures insolating the robot's energy sources during maintenance or repair work neventing accidental startup and exposure to electrical hazards.</li> <li>Install safety sensors and warning devices, so the night curtains and audible alarms, to notify workers when the robot is active and help there woid entrapment hazards.</li> <li>Provide proper persent personance equipment (PPE oncluding gloves, safety glasses, and insolved footbear, the duce the rish of electrical shock and injuries from potentiate of the danger zone and becoming entrapped.</li> <li>Use, you's all barries or guards, if necessary, to restrict access to the robot's moving and velocity in ease of an emergency or unforeseen risk occurrence.</li> <li>Develor and the robot's emergency stop function regularly to ensure it operates electively in case of an emergency or unforeseen risk occurrence.</li> <li>Perform a risk assessment periodically to identify and control potential hazards associated with the robot's operating, and update the SWMS as needed.</li> <li>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.</li> <li>Encourage workers to report any observed issues, defects, or potential hazards with the robot so that preventative action can be taken to minimise risks.</li> <li>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.</li> </ul>		
3. Power up robot	Electrical shocks, unexpected start-up	ЗН	<ul> <li>Ensure that only trained and authorised personnel are allowed to operate the brick pack unloading robot.</li> <li>Perform regular inspections of electrical components, wiring and connections for signs of wear or damage, and replace or repair them as needed.</li> <li>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.</li> </ul>	2M	



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			<ul> <li>Implement a lockout/tagout procedure to isolate and secure the robot's power source when maintenance is required, preventing unexpected start-up.</li> </ul>		
			- Encourage employees to use appropriate person protective equipment (PPE) including insulated gloves, safety footwear, appropriate protection while working with or near the robot.		
			- Maintain a clean and clutter-free workspace, round provide prick pack unloading robot to minimise trip hazards and allow operators characteristic provide the area.		
			- Establish clearly marked by daries around the bot's opening area using barriers, warning signs, or floor arkings to preven barriers are used access.		
			<ul> <li>Provide adequate group around he work area, ensuring all electrical connections and potential broards are the illy visited.</li> <li>Incorporate bergency study buttons of the each of all workers in the vicinity of the robot mabling on the dat down power areas of an emergency.</li> </ul>		
			<ul> <li>robot vabling om to vat down powe in case of an emergency.</li> <li>Reg to review of update standard operating procedures (SOPs) for the robot, training em. vees to best practices to safely and efficiently operate the equipment.</li> </ul>		
			- Develor an a rident reponse plan that includes immediate actions to take in case electrical show unexpected start-up, or other emergencies involving the robot.		
	1		- Per, multime testing of controls and safety features to ensure they are unction, 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.		
	C		- 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.		
	5				
	Collision with other equipment, worker				
4. Positioning robot	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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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
7. Robot operation	Risk of pinching, stuck by brick	3H		1L	

Version 2.5



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
8. Monitoring robot performance	Distraction, fatigue	2М		1L	

Version 2.5

Date of Issue:



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
9. Clearing jams	Entanglement, crush injuries	ЗН		1L	

Version 2.5

Date of Issue:



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



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



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

Date of Issue:



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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
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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 LEG	GISLATIVE REFERENCES ANY STATE AT ARE NOT APPLICABLE
Queensland & Australian Capital Territory Work Health and Safety Act 2011 Work Health and Safety Regulations 2011 Legislation QLD: <u>https://www.worksafe.gld.gov.au/laws-and-compliance/work-health-and-safety-laws</u> Codes of Practice QLD: <u>https://www.worksafe.gld.gov.au/laws-and-compliance/codes-of-practice</u> Legislation ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations</u> Codes of Practice ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</u>	Victoria Ord pational Health and Safety Active 04 Occupational Health and unfetwork gulations 2017 Legislation VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- sular is</u> or des of mactice VICe. <u>attps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice</u>
New South Wales         Work Health and Safety Act 2011         Work Health and Safety Regulations 2017         Legislation NSW: <a href="https://www.safework.nsw.gov.au/legal-obligations/legislatic">https://www.safework.nsw.gov.au/legal-obligations/legislatic</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislatic</a>	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
Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation 2011 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/worplace-sect-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/fect-org/d-resources/corg-sect-sect-as-on</u>	Safe Work Australia Links Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u> Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model- codes-of-practice</u>
South Australia Work Health and Safety Act 2012 (SA) Work Health and Safety Regulations 2012 (SA) Legislation for SA: <u>https://www.safework.sa.gov.au/resources/legulation</u> Codes of Practice for SA: <u>https://www.safework.sa.gov.au/work_aces/codes-of-practice#COPs</u>	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
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: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a> Codes of Practice for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a>	<ul> <li>First aid in the workplace</li> <li>Managing the risk of falls at workplaces</li> <li>Hazardous manual tasks</li> <li>Managing the risk of falls in housing construction</li> <li>Managing electrical risks in the workplace</li> <li>Demolition work</li> <li>Excavation work</li> </ul>
Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work	<ul> <li>Work health and safety consultation, cooperation and coordination</li> <li>Managing the work environment and facilities</li> <li>How to manage work health and safety risks</li> <li>Managing risks of plant in the workplace</li> <li>Construction work</li> </ul>

- Any required documents.



#### 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.

Worker Name	Position	Signature	Date	Time	Supervisor
			Date:		
			Datu		
			ı te:		
			Date:		

#### SAF WC A STHUD STATEMENT MONITORING AND REVIEW

The SWMS must be reviewed regularly to revised if necessary) if relevant control measure are subcontract of the SWMS and their health and safety representatives who reworkplace.

ke sure it remains effective and must be reviewed (and acception of the process should be carried out in s any subcontract s) who may be affected by the operation esentatives who recented that work group at the

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 them to understand and implement the revised SWMS.

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 that the PCBU is consistently developing ever-improving systems of safe work principles.

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	
Name, signature, position and date signed of the person approving the SWMS.			
Specific personnel and qualifications, experience is noted in the SWMS.			
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 effectine sections.			
Responsible person is assigned and listed on the SWMS for the impement of continue measures.			
Permit requirements specified, such as Hot Work, Electrical Work, Vortat Heights etc.			
SWMS identifies plant and equipment to be up t.			
Details of inspection checks required for any equipment listed at 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.			
Identifies any hazardous substances used with specific control measures in line with any SDS.			
			·
REVIEWED BY	DATE RI	EVIEWED	
SIGNATURE	DATE CO	MPLETED	