

Robot Welder S	SAFE WORK METHOD STA	TEMENT (SWMS)	
1	TASK OR ACTIVITY: Robot Welde	er	
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 1	THE PL OF THE PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	cting a business or undertaking (r RU) is	required to ure at 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 a	ompliance 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	N. 1E AND DATED SIGNATURE OF A CO. MUNICATED TO IN THE DEVELO	LL RELEVANT PERSONNEL WHO HAVE BI PMENT 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, conditions those hazards and then to further take steps to either the conditions of the conditions are or conditions.	NAME	SIGNATURE	DATE
If an incident or a near miss occurs, all work must standardly. 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 of the specific work being carried out (otherwise						
Project Address:					known as cope of works).						
Project Manager:											
Contact Phone:											
Project Manager Sig	nature:										
Date SWMS supplie	d to Project Manager:										
		ANY HIGH-	RISK CON PUCT	N' JRK BEING	CARRIED OUT						
☐ involves a risk of a pe	erson falling more than 2 m	neters.		is carried out on or near pressurised gas mains or piping.							
is carried out on a tel	ecommunication tower.	`	M + M	is carried out on	or near chemical, fuel or refrig	erant lines.					
☐ involves demolition o	f an element of a structure	that is load-be n.		is carried out on or near energised electrical installations or services.							
☐ involves demolition o	f an element related to the	physical integrit of a str	3.	☐ is carried out in an area that may have a contaminated or flammable atmosphere.							
☐ involves, or is likely to	o involve, disturbing a	tos.		involves tilt-up or precast concrete.							
involves structural alt	eration or repair that re	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	ar 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 involvin	g use of explosives.	is carried out in a	areas with artificial extremes of	temperature.					
is carried out in or ne	ar water or other liquid tha	t involves a risk of drowning	ng.	☐ involves diving w	vork.						
		ANY HI	IGH-RISK MACHINER	RY OR EQUIPMEN	IT NEARBY						
Forklift	☐ Crane/s	☐ Hoist/s	☐ Excavator	☐ Backhoe/Loader	☐ Boom Lift	☐ EWP	☐ Genie Lift				
☐ Trencher	☐ Trencher ☐ Drilling Rig ☐ Trucks ☐ Formwork				☐ Flammable Gas	☐ Fuel	☐ Dozer				
☐ High Voltage	☐ Mulcher	☐ Tilt-up Panels	Roller	☐ Scissor Lift	☐ Tractor	Other -					





PERL NAL TECTIVE EQUIPMENT (PPE)

FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION	HEARING PPOTECTION	PROTE	SPIRATORY P STECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
			A								

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	Electrical hazards, Slips and falls	2M	 Conduct a thorough inspection of the work area, remove any debris or obstructions to ensure a clean and safe environment before startic, the operation. Ensure that all power cables and electrical conscitions are in proper working condition, without any frays or damage, to comise the risk of electrical hazards. Use appropriate PPE, such as non-conducting glover and safety footwear with slip-resistant soles, to reduce the risk of injury from a sucal hazards and slips and falls. Clearly mark wet or slipper, areas with warning as and result a traffic control measures (e.g., barriers or conscious) to reduce the risk of slip and falls. Ensure the Robot conscious as post and securely on a nat and stable surface to prevent any unspected misement furing operation, reducing the chance of slips and falls near the equipme. Schoole a plan operation meeting and valining for all personnel involved in the welding access to a surface they are aware of potential hazards and associated control near ures. Estable high a mintenance schedule for the Robot Welder to ensure that any worn or alamage parts to replaced promptly, reducing the risk of electrical hazards and accidental startup is a common malfunction. Utilis and control the control procedure when servicing or repairing the Robot Welder to sure the the power supply is isolated and there is no risk of accidental startup is uling to electrical hazards. Install adequate lighting in the work area to maintain high visibility levels and minimise the risk of slips and falls. Provide clear instructions and necessary supervision to ensure workers perform tasks safely, adhering to best practices and following established procedures. Develop an emergency response plan in case of incidents related to electrical hazards or slips and falls, ensuring all team members are familiar with the plan and know their responsibilities during an emergency. Regularly review and update the SWMS t	1L	
2. Programme Robot Welder	Crush injuries, Pinch points	ЗН	 Conduct a thorough risk assessment before programming the Robot Welder to identify and address potential hazards, including crush injuries and pinch points. Ensure that personnel involved in programming the Robot Welder are properly trained and qualified, with a clear understanding of the risks associated with their tasks. 	2M	



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			 Utilise appropriate personal protective equipment (PPE) such as gloves, eye protection, and long sleeves to minimise the risk of injury from crush injuries or pinch points. Implement lockout/tagout procedures during the programming process to prevent accidental startup or movement of the robe a welding equipment. Establish a clear boundary around the work of areas a keep unauthorised personnel from entering the space while the Rose selder is being programmed, reducing the chance of incidents occurring due to turnan error occuriosity. Maintain ongoing communica on among team mener of sponsible for programming and one of the bot Welder, ensure everyone is aware of potential hazardo and folks a defined safety procedures. Keep all glob is and safet devices programoral working condition and check these components regardly, requiring or repress any malfunctioning parts immediately. Regular inspectories and connections used during the programming process, ensure the vare in from wear or damage that could lead to accidents or failures resulting in using injuries or pinch points. Avoid in ateria guildup and clutter within the workspace to reduce the chance of strip and in that could result in injury within the vicinity of the Robot Welder. Control sly monitor the Robot Welder's movements and operations during the ogrammang phase to identify any unexpected behaviours or changes that could pointially cause harm to operators or other individuals in the area. Foster a strong safety culture within the workplace by holding regular meetings, providing up-to-date training, and encouraging open feedback about potential hazards, near-misses, and improvements to health and safety practices related to the Robot Welder's operation. 		
Position Material	Manual handling injuries, Flying debris	2M	 Provide manual handling training to employees involved in positioning material, ensuring they are aware of correct lifting techniques and posture. Regularly assess the weight and dimensions of materials to be handled and provide appropriate equipment, such as trolleys or pallet trucks, to assist workers in moving them safely. Implement a team-lifting protocol for heavy or awkward materials, including establishing clear communication channels among workers to avoid accidents and 	1L	
			establishing clear communication channels among workers to avoid accidents and injuries. - Encourage workers to take regular breaks and change tasks throughout their shift to reduce the risk of manual handling injuries caused by repetitive actions or prolonged static postures.		
			- Keep the work area clean and free from obstructions that could pose tripping hazards during material handling activities.		



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			 Ensure adequate lighting and visibility in the robot welding workspace to enable proper material positioning without compromising worker safety. 		
			- Install protective shields or barriers around the rewelding zone to contain any flying debris and protect workers operating news.		
			- Require all workers to wear appropriate F including ves, safety glasses, and steel-toed boots during material positioning in redur		
			- Regularly inspect and maintain equipment use of positioning materials, ensuring they are in good working order and safe to use.		
			- Develop an emergency responship plan for situations are material positioning issues may lead to see haza as such as tip-overs or collapses.		
			- Clearly magnesignated sprage areas for provided waiting to be positioned, and keep these areas organism to preven the entire due to shifting or falling materials.		
		- Important a symple pre-loading materials into fixtures or jigs, if possible, to minim a need manual handling during the positioning process.			
			- Establish it yout/tag it procedures for robot welders during material positioning, prevent it acceptal a vation and ensuring worker safety.		
			review and update the SWMS for Robot Welder, incorporating employee feeds k addressing identified risks or hazards promptly.		
	5				
4. Start Robot Welder	Radiation exposure, Noise hazards	3H		2M	



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5. Monitoring Weld Quality	Fumes and gases, Trip hazards	2M		1L	



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6. Adjust Settings	Electrocution, Finger amputation	3H		2M	



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7. Replace Gas Cylinder	Gas leakage, Fire hazards	2M		1L	



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8. Change Welding Wire Spool	Entanglement, Heavy lifting	2M		1L	



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9. Inspect final welding	Hot metal burns, Eye strain	2M		1L	



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10. Stop Robot Welder	Jamming accidents, Unintended movements	3H		2M	



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11. Remove Finished Product	Sharp edges, Manual handling injuries			1L	



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12. Clean Work Area	Fire hazards (welding restrict), Slippery surfaces			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/legislati

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

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-syllaws

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 al. Safety Act

Occupational Health and affety gulations 2017

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

<u>qulat.</u>

des on actice VIC attps://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.

Worker Name	Pos	sition	Signature	Date	Time	Supe	ervisor	
				Date:				
				Date				
				L te:				
			AV	Date:				
				Date:				
				Date:				
				Date:				
		SAF WC A	STATEMENT	MONITORING AND R	EVIEW			
The SWMS must be reviewed regularly to reak sure it remains effective and must be reviewed (and revised if necessary) if relevant control measure are subcontracted, and revised if necessary) if relevant control measure are subcontracted, and revised 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 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 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	