

Utilise	e An Arc Welder Risk Asses	ssment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC		
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or un	ndertaking PCBU required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ntle:	Date:
CL		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project N.			



RISK MATRIX							
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE MA	JOR CATASTROPH			HIERARCHY OF CONTROLS
ALMOST CERTAIN	3 HIGH	3 HIGH		4 4 JTE ACUTE	SCORE	ACTION	Elimination Remove the hazard.
LIKELY	2 MODERATE	3 HIGH	U U U U U U U U U U U U U U U U U U U	4 4 JTE ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard. Isolation
POSSIBLE	1 LOW	2 MODERATE		4 JTE ACUTE	3H HIGH	Rev before work art	Isolate People from the hazard Engineering Isolate the
UNLIKELY	1 LOW	1 LOW		3 Z GH ACU E	MC RATE	Ensure control measures in place.	Activité istrativ e Chang
RARE	1 LOW	1 LOW		3 GH H. 1	1L LOW	Monitor and keep records.	PP
Risk Rating & Required Action: 4A Stop work. The risk is intolerable, cominate the hazard predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or his er-level authorisatic is required. 3H Review and approve additional corrols in prace and efficiency. Proceed with caution; monitor conditions. 2M Ensure all nominated controls are in-prace and efficiency. Proceed with caution; monitor conditions. 1L Proceed, following standard operating procedures Monitor and keep records. Consequence Scale:						Notes on Hierarchy of Controls: Remember to apply controls in the preferred order shown by the coloured pyramid: 1. Eliminate 2. Substitute 3. Isolate 4. Engineering 5. Administrative 6. PPE	
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat ator intervention; c		Always document why a lower-order control is accepted if
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	tice; major media		elimination or substitution is not reasonably practicable. aligned with Safe Work Australia's Managing the risk of fatigue at
Moderate	Medical-treatmen	nt injury; lost-tim	e > 1 moderate dela	y Minor breach; ad	Minor breach; adverse client comment		work (2023) and ISO 45001:2018 clauses 6–8.
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance		
			no schedule	Deviation caught and corrected on site			



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	Electric shock, Fire risk	4A	 Ensure all electrical connections are properly insulated. Verify voltage settings are compatible with eccument. Inspect cables and connectors for damage. Remove flammable materials from the work to a Setup fire extinguishers nearby. Ensure all personnel are properly trained. Ensure adequatements. Consult equipment manuation setup instructions. Schneile register equipment inspection. Imply that a lock system. 	2М
2. Equipment Inspection	Equipment failure, Contract h live wire	21	 Perfort a viewal inspection for physical damages. Pheck the integray of the electrode holder. Verny the condition of protective gear. Pest equipment functions without load first. Use insulated tools for inspection. Conduct regular maintenance as per manufacturer guidelines. Ensure all covers and guards are in place. Keep inspection checklist updated. Verify the expiration date of safety inspection tags. Store inspection reports properly. 	2M
3. Setting Up Workspace	Tripping hazards, Restricted movement	2M	 Organise cables and hoses to prevent tripping. Use cable ties to secure loose wiring. Clearly mark walkways and working areas. Ensure enough space is allocated for movement. Remove unnecessary tools from the area. Keep the floor free of debris. Ensure good lighting in the area. Follow layout plan for equipment placement. 	1L



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			- Install warning signs where needed.	
			- Check fire exits are unobstructed.	
4. PPE Utilisation	Inadequate protection, Burns	ЗН		2M
5. Power Up Equipment	Unexpected operation, Arc eye	44		2M
6. Performing the Weld	Fume inhalation, Radiation exposure	4A		2M



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7. Shut Down Equipment	Residual electricity, Cooling delays	ЗН		1.
8. Cleaning Up Workspace	Sharp objects, Charles Course	₽M		1L
9. Storing Equipment	Improper storage, Potential damage	2M		1L



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10. Final Review and Documentation	Incomplete records, Missed hazards	2M		1L
11. Maintenance Scheduling	Unplanned downtime, Machinery malfunction	ЗН		2M
12. Team Briefing	Communication errors, Misunderstood tasks	2M		1L



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13. Monitoring and Feedback	Unaddressed safety concerns, Declining performance	2М		1L
14. Emergency Preparedness	Inadequate response plans, Papir during emergencies	ЗН		2M
15. Continuous Improvement	Outdated practices, Resistance to change	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 REF						
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE 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: 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	Victoria Octopational Health an estate vice of a constraint of the second secon					
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/legislative Codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislative	Western Australia Work Health and Safety Act 2020 Work Health and Safety Regulations 2022 Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u> Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u>					
Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation 2015 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/weiplace-sector-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formediatestations/compliance/weiplace-sector-laws</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/legislation</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 - Einst eid in the workplace					
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	 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 eaferty consultation, construction and coordination 					
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.	 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 					