

Robo	otic Demolition Risk Asses	sment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PCI	BU ON Y PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or ur	ndertaking PCBU required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CLY	OR PRI CIN LCO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project New York			



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
AA 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 controls to constask parts. Senior supervisor sign-off needed. 2M Ensure all nominated controls are imprace and efficience of with caution; monitor conditions. 1L Proceed, following standard operating procedurer vionitor 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		Always document why a lower-order control is accepted if
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	prosecution elimination or substitution is not reasonably pr		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	work (2023) and ISO 45001:2018 clauses 6–8.		
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance		
Insignificant No injury no schedule impact 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. Site Assessment	Uneven terrain, Obstructed pathways	ЗН	Conduct site survey to map terrain Clear pathways of obstacles prior to commencement Secure and mark uneven areas Establish exclusion zones around hazardous unaat Ensure adequate lighting for sibility Use signage to warn of potentic hazards Consult with local charnon of or subsafety protocols Provide induction training foused on ite-spreace risks Equipmentkers with necessary personal currective equipment (PPE) Contil to sumoniture of site conditions during operation	2M
2. Equipment Inspection	Faulty machinery, Worse	4	Perform re-contration on upment inspection whick all connections and cables for wear Ensure the afety guards are in place and operational wify all emergency stop functions are working Maintain a log for equipment checks Replace worn parts immediately Train staff on equipment functionality and fault reporting Secure loose parts before operation Regular maintenance schedule adherence Have a standby technician for immediate repairs	2M
3. Operator Training	Inadequate training, Misuse of controls	ЗН	Implement a comprehensive training program Hire certified trainers for operator courses Conduct practical assessments before allowing operation Provide detailed manuals and quick reference guides Ensure all operators have valid competencies Re-assess operator skills regularly Document training sessions and outcomes Ensure operators understand emergency protocols	1L



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			Encourage continuous learning and upskilling	
			Promote open communication for clarifying doubts	
4. Machine Setup	Incorrect setup, Unbalanced equipment	ЗН		2M
5. Work-are Isolation	Unauthorized entre Falling debris	4A		2М
6. Machine Operation	Operator distraction, Unexpected machinery halt	4A		1L



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7. Debris Management	Dust inhalation, Debris accumulation	ЗН		1L
8. Communication Systems	Lost signals, Comnect and Ureak ovn	вн		2М
9. Emergency Procedures	Delayed response, Confusion during evacuation	4A		2M

Version 2.5



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10. Environmental Impact	Soil contamination, Noise pollution	ЗН		1L
11. Power Supply Management	Power surges, Overloading circuits	4A		2М
12. Maintenance Scheduling	Unexpected breakdowns, Oversight of worn parts	4A		1L



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13. Staff Coordination	Misalignment of assignments, Communication failures	ЗН		1L
14. Fire Safety	Electrical fires, Flammatic matrices	4A		1L
15. Incident Reporting	Undocumented hazards, Delayed reporting	ЗН		1L



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16. Supervision and Oversight	Lack of oversight, Inadequate supervision	ЗН		1L
				1



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.

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 Orchipational Health and Safety Action 04 Occupational Health and Safety Action 04 Decision of VIC: https://www.safe.vic.gov.au/occupational-health-and-safety-act-and- rulations solutions of the safety o						
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/legal-obligations/legislati-codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislati-codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis <a href="https://www.safework.nsw.gov.gov.gov.gov.gov.gov.gov.gov.gov.gov</td><td>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></td></tr><tr><td>Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation 2011 Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/wg-place-serve-laws Codes of Practice NT: https://worksafe.nt.gov.au/laws-and-compliance/wg-place-serve-laws	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_laces/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: 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 safety consultation, cooperation 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.	 Managing the work environment and facilities How to manage work health and safety risks Managing risks of plant in the workplace Construction work 						