

Control Overhea	d Electric Travelling Crane	Risk Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Eme	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU OF PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or u	ndertaking PCBU required to ensu	ire that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project New			



				F	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	
4AStop Meth3HRevia2MEnsu1LProceConsequen	eed, following star	intolerable, in VMS) or hi er-l dditional currol controls are import ndard operating	ace and efficieve. Proposed are Annual A	required. ts. Senior supervisor oceed with caution; m and keep records.	sign-off needed. nonitor conditions.		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	lverse client comn	nent	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	inadequate training, lack of PPE	ЗН	<ul> <li>Conduct induction and training sessions for all personnel involved.</li> <li>Provide appropriate Personal Protective Equineent (PPE) to all workers.</li> <li>Ensure all operators read and understant operating matchals.</li> <li>Conduct pre-work site inspections to identify opters in nazards.</li> <li>Verify all operators have the necessary certifications to operatione crane.</li> <li>Establish a clear communication protocol for crane personne.</li> <li>Ensure crane opterators in well opted and alert.</li> <li>Advise workers on emerginely protocol ures representees.</li> <li>Review past he dents reproved ures representees.</li> <li>Imply to table system for inexperienced operators.</li> </ul>	2M
2. Pre-Operational Inspection	equipment malfunction and a fatigu		<ul> <li>Inspect transfort any whible damage or wear before commencing operations.</li> <li>Inspect transfort any whible damage or wear before commencing operations.</li> <li>Interstein and levers for functionality.</li> <li>Revent revious service and maintenance records.</li> <li>Interstein and the records of the reduce unnecessary wear and tear.</li> <li>Inspect cables and chains for signs of fraying or damage.</li> <li>Ensure all safety devices are functioning correctly.</li> <li>Record inspection results in a logbook for accountability.</li> <li>Engage a third-party assessor for structural integrity checks.</li> <li>Establish a routine inspection schedule.</li> <li>Use correct tools for maintenance tasks.</li> </ul>	2М
3. Load Assessment	overloading, uneven load distribution	4A	<ul> <li>Know the weight of the load before lifting.</li> <li>Ensure load weight does not exceed crane capacity.</li> <li>Weigh loads using certified scales when there's uncertainty.</li> <li>Position the load centre of gravity directly under the hook.</li> <li>Use tag lines to guide the load safely.</li> <li>Brief all personnel on load assessment findings.</li> <li>Apply rigging techniques suitable for the load.</li> <li>Ensure the load is properly balanced before lift.</li> </ul>	2M



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			- Avoid lifting multiple loads simultaneously.	
			- Use load indicators to monitor weight during lift.	
4. Crane Setup	unstable ground, incorrect assembly	ЗН		1L
5. Operational Communication	miscommunication signal failur	ЗН		1L
6. Weather Monitoring	strong winds, lightning storms	4A		2М



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7. Lift Execution	mechanical failure, swinging load	ЗН		1L
8. Load Securing	load slippage, inadequate securin	ЗН		2M
9. Load Transition	collisions, obstruction	4A		2М



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10. Crane Shutdown	incomplete shutdown, residual load tension	ЗН		1L
11. Maintenance Scheduling	overlooked maintenance, unattended faults	ЗН		2М
12. Emergency Response	inadequate response, false alarms	4A		2M



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13. Operator Feedback	unreported near-misses, incorrect handling techniques	зн		2М
14. Environmental Considerations	pollution, waste disposal	ЗН		1L
15. Interface with Other Site Activities	interference with ongoing operations, schedule conflicts	ЗН		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 RI	
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGI	SLATIVE 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.qld.gov.au/laws-and-compliance/work-health-and-safety-laws</u> Codes of Practice QLD: <u>https://www.worksafe.qld.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 Occupational Health as Safety Actor 04 Occupational Health and onfety or gulations 2017 Legis from VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-oulaters</u> oulaters to thes on mactice VIC <u>extps://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: <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: https://worksafe.nt.gov.au/laws-and-compliance/worplace-sty-laws Codes of Practice NT: https://worksafe.nt.gov.au/f	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
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/acts-and-regulations">https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations</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 - Any required documents.	<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>