

Setting	Up Battery Banks Risk Ass	sessment	
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	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			



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	
4A Stop work. The risk is intolerable, uninate the hazary redesign the activity before proceeding. A Safe Work						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	elimination or sub		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 breach; adverse client comment			
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. Preparation	Incorrect tools, Lack of PPE	ЗН	<ul> <li>Verify availability of correct tools</li> <li>Provide adequate Personal Protective Equipment (PPE)</li> <li>Conduct pre-work briefing</li> <li>Review manufacturer's instructions</li> <li>Ensure competency in handing batteries</li> <li>Confirm understanding of the task by all team meltaberer</li> <li>Establish compresente rotoc</li> <li>Make emerancy contact normative availat</li> <li>Ensure comprese with rectrical state ands</li> <li>Eval in unite-spuere hazards</li> </ul>	1L
2. Site Inspection	Trip hazards, Electrical	31	<ul> <li>Condult the high siturespection</li> <li>Park an irremotion any trip hazards</li> <li>Verny but trical systems are compliant</li> <li>Document potential electrical faults</li> <li>Ensure safe access and egress</li> <li>Report any unsafe conditions</li> <li>Verify site security</li> <li>Confirm emergency exits are accessible</li> <li>Maintain adequate lighting in work area</li> <li>Involve all workers in site walk-through</li> </ul>	1L
3. Battery Procurement	Defective batteries, Incompatible specifications	ЗН	<ul> <li>Choose suppliers with good track records</li> <li>Verify battery specifications match requirements</li> <li>Inspect batteries upon delivery</li> <li>Handle batteries using correct methods</li> <li>Store batteries according to guidelines</li> <li>Reject any damaged batteries</li> <li>Cross-reference battery types</li> <li>Ensure documentation for batteries is complete</li> </ul>	1L



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			- Confirm battery warranty provisions	
			- Communicate with suppliers to resolve discrepancies	
4. Transportation of Batteries	Manual handling injuries, Vehicle accidents	4A		2М
5. Battery Unloading and Setup	Crushed limbs, Eluctrical shock	44		2M
6. Connecting Battery Banks	Short-circuits, Chemical burns	4A		2M

Version 2.5



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7. Final Inspection	Unsecured components, Overheating	ЗН		1L
8. Commissioning	System failure, Une en courschar	вн		1L
9. Staff Training	Skill gaps, Human error	ЗН		1L

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10. Monitoring and Maintenance	Degradation, Inadequate system checks	ЗН		1L
11. Emergency Response	Fire, Acid spills	4A		2M
12. Decommissioning	Accidental discharge, Incorrect disposal	4A		2M



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13. Review and Updates	Outdated procedures, Missed improvements	ЗН		1L
14. Reporting	Lack of documentation, Missed regulatory compliance	ЗН		1L
15. Continuous Improvement	Complacency, Resistance to change	ЗН		1L

Version 2.5

Review #



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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.

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/codes-of-practice Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice	Victoria Occupational Health and Safety Acta 24 Occupational Health and Safety Acta 24 Degistron VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- rulations</u> ordes of conactice VICouttps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice						
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/legislati-codes-of-practice">https://www.safework.nsw.gov.au/legal-obligations/legislati-codes-of-practice</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislati-codes-of-practice</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 2011 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/workplace-sected-aws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/workplace-sected-aws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/workplace-sected-aws</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/worf_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> <li>Work health and safety consultation, cooperation and coordination</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>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>						