

Engine Crane   SAFE WORK METHOD STATEMENT (SWMS)								
1	TASK OR ACTIVITY: Engine Crar	ne						
Business Name: [Company Name]		ABN: [ABN]	SWMS#					
Business Address: [Company Address]								
Contact Person:	Phone: [Phone]	E qil:						
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	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 (N-BU) is	required to thursh at a safe work method a	statement (SWMS) is prepared before					
Full Name:								
Signature:		Title:	Date:					
Details of the person(s) responsible for ensuring implementation, monitoring a the	compliance of the SWMS, well as review	vs and modifications of the SWMS.						
Full Name:		Title:	Phone:					
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS WMS. ST HAVE THE FOLLOWING COMMUNICATED	N TE AND DATED SIGNATURE OF A	ALL RELEVANT PERSONNEL WHO HAVE E OPMENT AND APPROVAL OF THIS SWMS	EEN CONSULTED AND					
Safety meetings or toolbox talks will be sched and in accordance with regislative requirements to first identify any site hazards, condition of unical those hazards and then to further take steps to either the steps to either	NAME	SIGNATURE	DATE					
If an incident or a near miss occurs, all work must structure nately. 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:							k being carried out (otherwise				
Project Address:			ŀ	known as cope of works).							
Project Manager	:										
Contact Phone:											
Project Manager	Signature:										
Date SWMS sup	plied to Project Manag	er:									
	ANY HIGH-RISK CON RUCT N' JRK BEING GARRIED OUT										
involves a risk of	a person falling more than	2 meters.		is carried out on of	near pressurised gas main	s or piping.					
is carried out on	a telecommunication tower			☐ is carried out on or near chemical, fuel or refrigerant lines.							
involves demoliti	on of an element of a struct	ure that is load-be		is carried out on or	is carried out on or near energised electrical installations or services.						
involves demoliti	on of an element related to	the physical integrit of a st	ir e,	is carried out in an area that may have a contaminated or flammable atmosphere.							
involves, or is like	ely to involve, disturbing a	estos.		involves tilt-up or precast concrete.							
involves structura	al alteration or repair that re	mporan upp to	prevent collapse.	is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor.							
☐ is carried out in c	or near 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/r	near a shaft or trench deepe	er than 1.5m or tunnel involv	ving use of explosives.	is carried out in areas with artificial extremes of temperature.							
☐ is carried out in c	or near water or other liquid	that involves a risk of drown	ning.	involves diving wo	rk.						
		ANY	HIGH-RISK MACHINE	RY OR EQUIPMENT	NEARBY						
Forklift	Crane/s	☐ Hoist/s	Excavator	Backhoe/Loader	Boom Lift	EWP	Genie Lift				
Trencher	Drilling Rig	Trucks		Bobcat	E Flammable Gas	Fuel	Dozer				
High Voltage	Mulcher	Tilt-up Panels	Roller	Scissor Lift	Tractor	Other -					







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	Slips, trips and falls, Incorrect lifting procedures	2М	<ul> <li>Ensure proper training of all personnel involved in using the engine crane, focusing on appropriate lifting procedures and hazard identification.</li> <li>Conduct regular inspections and maintenance on the engine crane to guarantee its safe and efficient operation.</li> <li>Practice good housekeeping principles, keeing the onk area clean and free from clutter that might cause slips or trips.</li> <li>Keep the floor surface in gen condition, identify a and remaining any uneven surfaces, cracks, or other pote of hazards.</li> <li>Wear appropriate used protective equipment (PFc) such as sturdy footwear with slip-resister soles to mainise tos and tri.</li> <li>Use caution tins, barrier or tape to ensure areas where slip, trip, and fall hazards.</li> <li>Verify be can gity of the engine crane and ensure it is appropriate for the load ling lifted.</li> <li>Alw spippect slings and attachments for defects or damage prior to use; replace necess.</li> <li>Implement a clear communication system between team members during the lifting process to coordinate movements and avoid confusion.</li> <li>Avoid rushing or making sudden movements while operating the engine crane; practice slow, controlled actions.</li> <li>Do not stand under the elevated load at any point during the lifting process.</li> <li>Adhere to Australia Workplace Health and Safety regulations, reporting any incidents or near misses observed during the preparation and execution of the engine crane tasks.</li> </ul>	1L	
2. Inspecting Lifting Devices	Faulty equipment, Inadequate inspection	ЗН	<ul> <li>Conduct a thorough pre-operation inspection of the engine crane and associated lifting devices, checking for any visible damage or wear on slings, hooks, chains, and other components.</li> <li>Ensure that all employees are trained and competent in the proper use and inspection of engine cranes and lifting devices, only permitting authorised personnel to operate the equipment.</li> <li>Develop and implement a regular maintenance schedule for the engine crane and lifting devices, in line with the manufacturer's guidelines, to minimise the risk of faults and malfunctions.</li> </ul>	1L	



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			- Verify that all equipment has been regularly inspected and tagged according to the relevant regulations and Australian standards, including sling tags and Safe Working Load (SWL) information.		
			- Utilise only certified and approved lifting device strictly following the manufacturer's specifications for capacity, cuerials compatibility, and application, always considering the weight and size of the boad being and.		
			- Update and display clear signage near the encourane stating inspection requirements, current SWL ratings, and procedue for reporting by suspected faulty devices, reminding operators to be diligent during there us		
			- Implement a system of sports, and removing fault of upment from service immediately upon centific, on, existing that it is not used until repaired, tested, and authorised for the by a connectent puression.		
			- Encourage of a communication and a coworkers regarding potential hazards and there that a places feel comfortable reporting concerns and discrepancies relate to tring date as and equipment.		
			- Asset enconment conditions before each shift, accounting for factors such as ground ability potent, obstructions, and weather conditions that may impact the ofe open tion to an engine crane and its lifting devices.		
	1		- Per, my olbox talks with all employees at the beginning of each shift, highlighting he imposed ce of regular inspections, sharing key findings from past audits or idents, and encouraging vigilance in reporting anomalies.		
			- Continuously review and update workplace health and safety documentation, such as standard operating procedures and risk assessments, ensuring that they address the potential hazards and control measures associated with lifting devices.		
	5		<ul> <li>Conduct periodic audits to assess the effectiveness of implemented control measures in minimising the risks associated with faulty equipment and inadequate inspections, adjusting procedures and training as necessary.</li> </ul>		
			<ul> <li>Conduct a pre-start inspection of the engine crane to ensure it is in proper working condition and assess its load capacity for the specific task.</li> </ul>		
			<ul> <li>Clearly mark out the designated work area with safety barriers or tape where the engine crane will be positioned to prevent unauthorised access and reduce the risk of being struck by moving objects.</li> </ul>		
3. Positioning Crane	Struck by moving objects, Overloading	ЗH	- Ensure appropriate signage is displayed around the work area to alert workers of the potential hazards related to positioning an engine crane.	1L	
			- Conduct safety briefing and toolbox talks for all team members involved in the operation, highlighting the hazards of positioning the crane and the control measures in place.		
			- Utilise a designated spotter during positioning of the engine crane to prevent any collision with other stationary or moving objects within the workplace.		



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			- Verify the ground condition where the crane will be positioned to ensure it is level and stable, reducing the risk of tipping over or uneven loads.		
			- Assess the weight of the load and make sure it is that and not capacity to prevent overloading and ensure satisfies peration.		
			- Consult the manufacturer's guidelines on the operation and maintenance of the engine crane to determine proper weight distribution avoid overloading.		
			- Monitor weather conditions during the position porocess, as high winds can cause instability and increasing the likelihood of action ts.		
			- Use Personal Protective Equil, cent (PPE) such as countas, high visibility clothing, and steel note its to a climise the risk of injury while positioning the engine crane		
			- Implement of bing monitoring and or the action among team members during crant sitionin, include g hand signal, or two-way radios, to ensure seamless and coord and movements.		
			- Develop a stimple, ont emergency response procedures in case of incidents involving engline crane exitioning, such as overloading or collisions, to ensure swift action is alken eminimate risks and protect worker safety.		
4. Attaching Load	Unexpected movement's consumership units	4A		2M	



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5. Lifting Load	Swinging or unbalanced load, Fall from height	ЗH		1L	





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6. Moving Load	Collision with structures, Struck by falling object	ЗН		1L	



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7. Lowering Load	Pinch points, Incorrect communication	2М		1L	

Version 2.5



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8. Detaching Load	Lifting equipment failure, Uncontrolled movement of load	ЗН		1L	



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9. Maintenance & Storage	Poor housekeeping, Inadequate maintenance	2M		1L	



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10. Documentation & Training	Incomplete documentation, Lack of training	ЗН		1L	

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11. Emergency Procedures	Inadequate escape routes, Poor emergency response	2M		1L	

Date of Issue:



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12. Post-operational Review	Inefficiencies in process, Unidentified hazard exposure	2M		1L	

Version 2.5



#### 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 F	REFERENCES				
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: <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/codes-of-practice</u> Codes of Practice ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</u>	Victoria Octopational Health and Safety Action 04 Octopational Health and pafety regulations 2017 Legisloon VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- gulated solutional-health-and-safety-act-and- gulated solutional-health-act-act-act-act-act-act-act-act-act-act</u>				
New South Wales Work Health and Safety Act 2011 Work Health and Safety Regulations 2017 Legislation NSW: <u>https://www.safework.nsw.gov.au/legal-obligations/legislati</u> Codes of Practice NSW: <u>https://www.safework.nsw.gov.au/resource-library/lis</u>	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/worplace-serve-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/fecture-serve-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_saces/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	<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>				

- Any required documents.



#### 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	Position	Signature	Date	Time	Supervisor
			Date:		
			Datu		
			ı te:		
			Date:		

#### SAF WC A STHUD STATEMENT MONITORING AND REVIEW

The SWMS must be reviewed regularly to review the sure it remains revised if necessary) if relevant control measure are a conconsultation with workers (including contractors are subcontract of the SWMS and their health and safety representatives who re workplace.

ke sure it remains effective and must be reviewed (and acception of the process should be carried out in s any subcontract s) who may be affected by the operation esentatives who recented that work group at the

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	
Name, signature, position and date signed of the person approving the SWMS.			
Specific personnel and qualifications, experience is noted in the SWMS.			
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 SWN			
SWMS initial risk (IR) column as well as residual risk (RR) columns completed.			
Check control measures added to the SWMS are the most effecting sections.			
Responsible person is assigned and listed on the SWMS for the impement of continue measures.			
Permit requirements specified, such as Hot Wren Electrical Work, Versat Heights etc.			
SWMS identifies plant and equipment to be up.			
Details of inspection checks required for any equipment listed ar noted on the SWMS.			
Describes any mandatory qualifications, experience vaining 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.			
Identifies any hazardous substances used with specific control measures in line with any SDS.			
REVIEWED BY	DATE RI	EVIEWED	
SIGNATURE	DATE COMPLETED		