

Gantry Crane SAFE WORK METHOD STATEMENT (SWMS)								
TASK OR ACTIVITY: Gantry Cran	le							
	ABN: [ABN]	SWMS#						
Phone: [Phone]	E gil:							
STATEMENT IS APPROVED BY	THE PLOF THE PROJECT							
cting a business or undertaking (IUBU) is	required to thurshalf a safe work method s	statement (SWMS) is prepared before						
	Title:	Date:						
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NAME	SIGNATURE	DATE						
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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 HIG	H-RISK CON TUCT		ARRIED 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 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	Unstable conditions, Electrical hazards	ЗН	 Conduct a thorough pre-start safety inspection of the area, checking for uneven or unstable ground conditions that could cause the gard crane to tip or shift during operation. Ensure proper maintenance and regular intection of the gantry crane in accordance with manufacturer guidelines, a wtake correrve actions if necessary. Provide appropriate safety training on the same station of the gantry crane, including a review of potential bazards, for all rement workers: Establish clearly defined work ones, using safety or the readuring crane operation. Implement affety check to be complete before the commencement of each work shift, come sing all network place and identifying any deviations or potential azards. Utilis to sut/tags procedures to isolate any electrical sources or equipment connected have again crane prior to operation and prevent possible risks of electrool ion. Soly appropriate caution signs and warning labels, such as "Danger: High Voltes" is "Keep Clear: Crane Operation", to raise awareness of potential hazards round very rest. Instruct staff to wear appropriate personal protective equipment (PPE) at all times, including hard hats, safety boots, high-visibility clothing, and gloves. Regularly assess weather conditions in the work area, prioritise safe conditions for operations, and postpone the use of the gantry crane during extreme weather events, such as high winds, heavy rain, or lightning storms, which may pose increased risks of accidents. Encourage open communication among all workers involved in the crane operation, empowering them to report potential hazards or concerns without fear of penalty, so as to facilitate a safer work environment. 	2М	
2. Pre-operation inspection	Crane malfunction, Incorrect load calculations	ЗН	 Conduct a comprehensive inspection of the gantry crane prior to operation, including all mechanical and electrical components, to ensure that the crane is in proper working condition. Verify that the crane's capacity matches or exceeds the lift's load weight and ensure compliance with manufacturer guidelines for safe operation. Ensure all operators have completed relevant training and certification for safely operating gantry cranes and are familiar with its operational procedures. 	2M	



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			- Implement a regular maintenance schedule for the gantry crane to minimise the risk of malfunction and check the service logs before each use.		
			- Utilise accurate load calculations and ensure that the weight of the load is evenly distributed to avoid overloading or imbalance is the es.		
			- Employ the use of an independent third-part inspector dequired, to assess the structural integrity and functionality of the crassian along an verifying load calculations and limits.		
			- Verify that all hydraulic systems and ropes/cable the in gene condition without any visible signs of wear, tear, or a mage that might ach self-meet the lifting capacity of the crane.		
			- Establish clear community on process for organizations and ground personnel to relay information related to lads, the veice and positioning requirements.		
			- Increase recondance allow features, uch as limit switches and overload alarms that version prevent accidents resulting from improper loading, crane malfunctions, or other factors.		
			- Ensure the use propulsing age and barrier zones surrounding the crane operation area so on-estimated personnel know not to enter the restricted work zone where periodic azards and arise.		
			Development detailed emergency response procedures to address tuations where the crane experiences unexpected problems or malfunctions during contrations, ensuring quick resolution to minimise risks to workers and property.		
	C		- Rigging Inspection: Conduct regular inspections of rigging equipment to ensure it is in good working condition and free from defects or damages.		
			- Load Rating Check: Verify that the load to be lifted does not exceed the gantry crane's SWL (Safe Working Load) and the capacity of rigging equipment.		
			- Load Balance and Stability: Ensure proper balance and stability of the load during the lifting operation by using appropriate rigging techniques.		
3. Load rigging	Load slipping, Insufficient safe work	ЗН	 Rigging Training: Provide relevant rigging training to workers to ensure they understand correct methods for securing loads, as well as identifying potential hazards and implementing control measures. 	1L	
			- Safe Work Zone Establishment: Create a restricted work area around the gantry crane and prohibit unauthorised personnel from entering this zone during lifting operations.		
			- Lift Plan Implementation: Develop and execute an effective lift plan, which includes communication protocols, hazard identification, necessary control measures, and contingency plans.		
			- Supervision and Communication: Continuous supervision of the lifting operation by a competent person and maintaining clear communication between all parties involved, including crane operator, rigger, and signalperson.		



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			- Personal Protective Equipment and Safety Gear: Require workers to wear appropriate PPE such as gloves, safety boots, hard hats, and high-visibility vests while participating in rigging and lifting activities.		
			- Pre-Lift Briefings: Conduct briefings with all we users involved in the lifting operation to discuss the lift plan, task roles, hazard recention, and omergency procedures.		
			- Emergency Stop Controls: Ensure that game crane as functional emergency stop controls within easy reach of the operator, to ever a prompt response to unexpected issues during the lifting process.		
			- Regular Monitoring and Main ance: Implement to inconstruction of rigging and lifting activities, as well period, maintenance check on the gantry crane and associated equine ant to court the continued sofe operation.		
4. Lifting operation	Overloading, Fall from height	4A		2M	



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5. Load movement	Crushing, Restricted visibility	ЗН		1L	

Version 2.5

Date of Issue:



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6. Unloading operation	Improper unloading, Uneven surface	ЗН		2M	

Version 2.5



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7. Communication	Miscommunication, Not ideallying hazards	2М		1L	



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8. Maintenance	Non-compliance, Negligent actions	ЗН		1L	

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9. Housekeeping	Poor housekeeping, Tripping hazards	2M		1L	



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10. Emergency nanagement	Inadequate evacuation routes, Lack of emergency planning	ЗН		2M	

Date of Issue:



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11. Post-operation Inspection	Missed damages, Poor maintenance reporting			1L	



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12. Site clean-up	Leftover debris, UL afe disposal practices	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 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 Occupational Health and Safety Action 04 Occupational Health and Infetty regulations 2017 Legismon VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-gulan</u> Codes on mactice VIC <u>https://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: <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-serv-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/f</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					
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/acts-and-regulations	 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 					
Details of permits, licenses or access required by regulatory bodies (add or delete as required): Permits from local council Authorisation to commence work	 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 					

- 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 are subcontractions) who may be affected by the operation sentatives who received 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 imement of cont, measures.			
Permit requirements specified, such as Hot Wey, Electrical Work, Verat Heights etc.			
SWMS identifies plant and equipment to be up t.			
Details of inspection checks required for any equipment listed approved 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 CO	MPLETED	