

Project:	Machine Control Operations	RA No:	98	Review Date 31/12/2027
Operation / Task:	Sitech cab kit retrofit	Persons at risk:	On Site Service Engineers, Customer Personnel	
Location / Area:	Customer Site	Public at risk:	No	
Monitoring Responsibility:	Site Manager, Site Supervisor, LPH HSQE Team, LPH Machine Control Manager			

KEY **S = Severity Rating** **L = Likelihood of Occurrence** **RR = Risk Rating**

1. Negligible	1. Improbable
2. Minor Injury	2. Remote 1 – 10%
3. Major Injury (RIDDOR)	3. Possible 10 – 50%
4. Fatality	4. Probable 50 – 90%
5. Multiple Fatality	5. Almost certain 90%+

5	5	10	15	20	25
4	4	8	12	16	20
3	3	6	9	12	15
2	2	4	6	8	10
1	1	2	3	4	5
	1	2	3	4	5

Likelihood

R	Unacceptable risk, plan out or add further controls.
O	Acceptable only if no other method viable & with high level controls in place.
Y	Acceptable with suitable controls.
G	Acceptable, no further action required.

Activity	Hazards/Risks Identified	Risk Rating			Control Measures	Residual Risk			Responsibility
		S	L	R		S	L	R	
Arrival on site and confirmation of work area	Incorrect work area setup. Interaction with moving plant or vehicles (PPI). Slips, trips and falls in unfamiliar areas. Poor lighting. Miscommunication. Unauthorised access to restricted zones.	3	3	9	<ul style="list-style-type: none"> Fitter must sign in on arrival and receive the customer site induction. Work area must be confirmed with the customer before any activity begins. Safe access routes, pedestrian walkways and traffic routes must be identified and followed in accordance with the site-specific instructions. Ground conditions, lighting and access must be checked with the site management before starting work. 	3	1	4	LPH HSQE Team. LPH Machine Control Manager. LPH On Site Fitter. Site Manager or Supervisor.
Retrofit of Sitech Cab Kits to CAT machines including installation of screen, antennas and radio on dozers and excavators.	Slips, trips and falls when stepping onto tracks or accessing the cab. Falls from height when transitioning from track to cab. Dropped objects. Minor manual handling strain. Contact with machine edges or pinch points.	4	4	16	<ul style="list-style-type: none"> Only trained, competent and authorised LPH personnel may carry out this work activity. Machine must be isolated and immobilised before installation begins to prevent unexpected movement. All work at height must be carried out in accordance with RA20, RA51. Podium platforms / steps to be used wherever possible – see RA69 for additional control measures. Work at height permit to work to be obtained from site where required prior to work commencing. 3-point contact to be maintained at all times when climbing on / off the machine or access equipment. 	4	1	4	LPH Machine Control Manager. LPH On Site Service Engineer or Fitter. Site Manager or Supervisor.

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Most effective
Least effective

1. Negligible	1. Improbable	5	5	10	15	20	25	R Unacceptable risk, plan out or add further controls. O Acceptable only if no other method viable & with high level controls in place. Y Acceptable with suitable controls. G Acceptable, no further action required.
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Severity

Likelihood

Activity	Hazards/Risks Identified	Risk Rating			Control Measures	Residual Risk			Responsibility
		S	L	R		S	L	R	
	Weather related slip hazards. Access limitations around boxing ring on excavators. Unexpected movement if machine is not fully immobilised. Poor lighting. People Plant Interface.				<ul style="list-style-type: none"> Cab door must be secured open when working inside the cab. Fitter must not step onto curved, oily or unstable surfaces and must avoid overreaching. Weather conditions must be assessed before stepping onto tracks or upper structure. Work must stop immediately if safe access cannot be achieved. Kit must be carried to the machine in a secure case. Manual handling training undertaken. RA11 to be followed. All components including screen, antennas and radio to be installed by hand; no handheld power tools used. Dozer installation: antennas and radio must be mounted at the front of the cab. Excavator installation: antennas must be mounted on the boxing ring, and radio must be mounted at ground level in the side panel. PPE must be worn in accordance with the SSOW and customer site rules including hard hat, hi vis, safety boots, safety glasses and cut resistant gloves. All components are installed externally; no electrical work, wiring, panel access or battery interaction carried out. 				

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Emergency situations including spills, fire, injury or unsafe conditions	Personal injury. Environmental incident. Fire.	4	2	8	<ul style="list-style-type: none"> In the event of an injury, spill, fire or unsafe condition, the fitter must stop work immediately and follow the customer emergency procedure as per the site-specific induction / instructions. Minor spills must be contained using spill kits and waste disposed of in accordance with the site waste management procedures. Major spills must be reported to the customer / site management immediately and the area made safe. In the event of fire, the engineer must stop work, evacuate using the nearest exit and report to the assembly point. All incidents, near misses and unsafe conditions must be reported as soon as safe to do so to site management and line manager. 	4	1	4	LPH On Site Fitter. Site Manager or Supervisor.

Risk Assessment Prepared By: Daniela Rizvan **Signature:** **Date:** 12/06/2026

Risk Assessment Reviewed By: Paul Lynch **Signature:** **Date:** 12/06/2026