



Risk Assessment – Electrical Works on Site (Maintenance/Fault Finding).

Company:	SES Engineering (Newark) Ltd	Date:	16.05.2022	Review Date:	16.05.2023	Ref:	SES/0012
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Operation:	Electrical Works on Site (Maintenance/Fault Finding)			Persons at risk:	Employees, 3 rd parties		
HAZARD	Assessment			CONTROL MEASURES TO REDUCE THE RISK	Re-assessment		
	S	L	R		S	L	R
Electrocution.	4	4	16	Identify sources and use safe isolation procedures. Assess risks and avoid live testing where possible. Always use approved equipment and tools as laid out in GN38. Ensure all guarding and supplemental insulation in place before energising. All work to be carried out by qualified and approved employees only.	4	1	4
Burns/Cuts.	4	4	16	Make sure the operatives use the correct PPE e.g., gloves, mask or approved eye protection, boots, and overalls. Make sure the operator is fully trained in the use of the equipment. Always make a clean safe working area.	4	1	4
Stored Energy.	4	3	12	Ensure mechanical and electrical systems/devices are locked off/de-energised. Use appropriate equipment to remove prevent discharge of stored energy.	4	1	4
Fire/Explosion.	4	4	16	Make sure you use the correct fire extinguisher that has been correctly tested. For areas of risk use a fire watcher to watch for fires starting and they must have the correct PPE. Remove any flammable substances from the working area and appropriate ventilation. Check equipment for safety.	4	1	4
Damage to eyes/ears.	3	5	15	Use correct eye protection use screens to protect 3 rd parties from sparking source. Warn people verbally in the area of risk. Wear ear protection such as ear defenders or ear buds when carrying out task.	3	1	3

Likelihood →	Likely (5)	Probable (4)	Possible (3)	Unlikely (2)	Very unlikely (1)
↓ Severity					
Death (4)	20	16	12	8	4
Major Injury (3)	15	12	9	6	3
Minor Injury (2)	10	8	6	4	2
No Injury (1)	5	4	3	2	1

KEY: S = Severity

L= Likelihood

R= Risk rating

12-20 High risk
8-10 Medium risk
1-6 Low risk

PPE Required:

Hard hat	Y
High vis clothing & boots	Y
Eye/ ear protection	Y
Suitable gloves	Y
Respiratory equipment	Y
Safety harness	As necessary

Risk assessment to be reviewed every 12 months or following an accident / incident.