

RISK MANAGEMENT MATRIX



NAME	Protective Shield	OBJECTIVE	Secondary Guarding for MEWP machinery
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REF / ID	PRE-MITIGATION				DEPARTMENT / LOCATION	MITIGATIONS / WARNINGS / REMEDIES	POST-MITIGATION				
	RISK	RISK SEVERITY	RISK LIKELIHOOD	RISK LEVEL			RISK SEVERITY	RISK LIKELIHOOD	RISK LEVEL	GRADE	ACCEPTABLE TO PROCEED?
		- LOW - MEDIUM - HIGH - EXTREME	- LOW - MEDIUM - HIGH	- LOW - MEDIUM - HIGH - EXTREME			- LOW - MEDIUM - HIGH - EXTREME	- LOW - MEDIUM - HIGH	- LOW - MEDIUM - HIGH - EXTREME	A, B, C, D, N	YES / NO
1	System sensor failure due to hardware failure	High	Medium	High	Onsite/Field	The system has an auto sensor disconnected alarm; the machine will also lock out.	Low	Medium	Low	D	Yes
2	Improper use of Manual Override	Extreme	Medium	Extreme	Onsite/Field	Warning labels are fitted to both machine and Shield device. Override timeout duration can be set via Owners Application - iOS/Android	Low	Low	Low	N	Yes
3	Physically covering the sensor/sensors	Extreme	High	Extreme	Onsite/Field	Warning in Operations Manual and label. Sensor status logged in pre-start checks. Can prove sensor operability in inspection (liability)	Medium	Medium	Medium	C	Yes
4	System failure due to water / condensation ingress	Medium	Medium	Medium	Assembly / Manufacture	System tested to the IP767 standard at manufacture from water ingress (IP67)	Low	Low	Low	N	Yes
5	Incorrect installation (wiring or Sensor)	Extreme	Possible	Extreme	Onsite/Field	Functional test on installation.	Medium	Low	Low	D	Yes
6	MEWP Personality Profile – Graceful Stop	High	Medium	High	Onsite/Field	Minimum detection zone stop distance 600mm. Default stop distance 1m. Documentation notes in all manuals.	Medium	Low	Low	D	Yes

Risk Matrix

Recommended actions for grades of risk	
Grade	Risk mitigation actions
A	Mitigation actions, to reduce the likelihood and seriousness, to be identified and implemented as soon as the risk is identified, as a priority.
B	Mitigation actions, to reduce the likelihood and seriousness, to be identified and appropriate actions implemented during Business as Usual operations.
C	Mitigation actions, to reduce the likelihood and seriousness, to be identified and cost for possible action if funds permit.
D	To be noted; no action is needed unless grading increases over time.
N	To be noted; no action is needed unless grading increases over time.

Grade: Combined effect of Likelihood/Severity					
		Severity			
		low	medium	high	EXTREME
Likelihood	low	N	D	C	A
	medium	D	C	B	A
	high	C	B	A	A