

Risk Management

Background

In order to maintain a common knowledge of potential risks and our original mitigation plan, this document helps us to keep track of our risks.

Risks management

Identify and prioritize risks based on their probability and severity. Then define what further actions you need to take to control the risks, and who needs to carry out these actions.

Risk rating

LOW	MEDIUM	HIGH	EXTREME
<ul style="list-style-type: none"> Acceptable Ok to proceed 	<ul style="list-style-type: none"> As low as reasonably practicable Take mitigation efforts 	<ul style="list-style-type: none"> Generally unacceptable Seek support 	<ul style="list-style-type: none"> Intolerable Place event on hold

Consequences					
LIKELIHOOD	1	2	3	4	5
	Minimal				Severe
1 Low					
2				 	
3					
4					
5 High					

Risk 1

Owned by Adrian Walker • Updated on Mar 20, 2024

Risk Title R-1 Laser system is ineffective Risk Owner @Adrian Walker Date Submitted 2023-12-01 Date Updated 2023-12-01
Description The laser system does not significantly degrade or neutralize weeds when accurately applied. Consequence 3 – Unable to meet PR2. Unable to demonstrate complete and viable system Likelihood 2 Risk Types X Technical Sched

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Risk 2

 Owned by Adrian Walker • Updated on Mar 20, 2024

Risk Title R-2 Laser system does not meet moss safety requirements Risk Owner @Adrian Walker Date Submitted 2023-12-01 Date Updated 2023-12-01 Description The laser system may not be operated due to not passing moss' laser safety standards. Consequence 4 – Unable to meet PR2. Unable to demonstrate complete and viable system Likelihood 2 Risk Types

 2

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Risk 3

 Owned by Zihan Wan • Updated on Mar 20, 2024

Risk Title R-3 Slack in project schedule Risk Owner @Zihan Wan Date Submitted 2024-03-20 Date Updated 2024-03-20 Description Team member personal schedule conflicts for assigned tasks and meeting original schedule Consequence 4 – Unable to meet PR2. Unable to stay on track of the project progress Likelihood 3 Risk Types Technical X Schedule Cost Pr

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Risk 4

 Owned by Zihan Wan • Updated on Mar 20, 2024

Risk Title R-4 moss base breaks Risk Owner @Zihan Wan Date Submitted 2023-12-01 Date Updated 2023-12-01 Description The existing Husky base employed by moss becomes unusable due to hardware breakage. Consequence 4 – Unable to meet PR1, PR6-8. Unable to demonstrate complete and viable system Likelihood 2 Risk Types Technical x Schedule X Cost Progr

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Risk 5

 Owned by Phil Koch • Updated 17 hours ago

Risk Title R-5 Issues arise integrating with base Risk Owner @Phil Koch Date Submitted 2023-12-01 Date Updated 2023-12-01 Description The developed system cannot receive sensor data / power from the base, or the base cannot receive directions from the system. Consequence 3 – Unable to meet PR1-2, PR5-8. Unable to demonstrate complete and viable sys

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Risk 7

 Owned by Parth Shah • Updated on Feb 29, 2024

Risk Title R-7 Detection system is ineffective Risk Owner @Parth Shah Date Submitted 2023-12-01 Date Updated 2023-12-01 Description The detection system does not detect weeds reliably or accurately enough. Consequence 5 – Unable to meet PR1-5, PR7-8. Unable to demonstrate complete and viable system Likelihood 2 Risk Types X Technical Schedule Cost

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Risk 8

 Owned by Amaar Quadri • Updated on Feb 29, 2024

Risk Title R-8 Manipulation system is not accurate enough Risk Owner @Amaar Quadri Date Submitted 2023-12-01 Date Updated Feb 28, 2024 Description Manipulation system needs to be accurately actuated to desired position. Failure to mitigate this risk could cause safety and functional concerns. Consequence 2 – Unable to meet PR6-8. Unable to demonstr

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Action items

