# P roject risk drone tech

**D ates**

**A nalysis**

**I mpact**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **R isk ID** | **P riority** | **W BS** | **R esponsible**  **P erson** | **R isk Description** | **O pen** | **C losed** | **I mpact**  **R ating** | **L likelihood**  **R ating** | **S everity** | **P rior to**  **M itigation** | **A fter**  **M itigation** | **M itigation Strategy** | **C ontingency** | **S tatus** |
| Sufficient funds cannot be raised in the required 1-April-11 5 3  time frame  1 1 1.1.3 lary | | | | | | | | | 16 | >6 week <2 week Target fund raising at 20% over delay delay budget. Pursue using club funds  as a stop gap measure. $6,000 | | | | |

2 2 1.2.1 lili

Design is not approved by competition committee

1-April-11 5 2 10 Double check design. Have independent design review.

1. Sep-16 3 3 9 Add schedule contingency in plan to allow design to be complete.
   1. 2 1.2.1 Jill Design is not completed in a timely manner Add additional staff.
   2. 3 1.1.1 Jack Selected team members are not available.

1-Sep-16 3 4 6 Confirm team members early in process. Identify alternates

5 1 1.1.3, 1.2.2 Mariela

6 2 1.3.1 Ralph

Cost estimate is incorrect. Not enough funds based on estimate

Delay in materials arriving, or materials unavailable

1-Sep-16 6 2

1-Sep-16 - 7

1-April-16 4 5

>6 week delay

12

16

12

<2 week delay

Target fund raising at 20% over budget. Double check estimate

after design approval. $6,000 Use expedited shipping. Confirm

Availability with suppliers during design. Modify design if required.

Add schedule contingency in plan to allow construction to be

7 2 1.3.4 Martha Construction takes longer than expected.

Complete. Add additional staff.

1- April -16 5 1 5 Double check design. Have

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 8 | 3 | 1.2.1,1.4.1 | Jill | Tests find fatal flaws in design. |  | independent design review. |
|  |  |  |  |  |  | Allow 2-3 extra days of travel |
|  |  |  |  | Travel is delayed due to weather, or vehicle is | 1-march-16 | 1 3 7 time. Add cost for additional stay |
| 9 | 3 | 1.5.1 | Jack | delayed in transport |  | at competition. |

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|  | | | Description |  | |
| Impact Rating Scale | Cost | Schedule |  | Scope | Quality |
| 5 Very High | >$80,000 | >4 weeks delay |  |  | drone will not operate |
| 4 High | <$6,000 | >2 weeks delay |  |  | drone will not meet specs |
| 3 Moderate | <$15,000 | >1 weeks delay |  |  | Performance is reduced |
| 2 Low | <$13,000 | <1 week delay |  |  | Some compensation is required |
| 1 Very Low | <$300 | 1 day delay |  |  | May require correction |

Likelihood Rating Scale Description

5 Nearly certain >83% Probability of occurring

4 Likely 50-80% chance of occurring

3 Possible 21-49% chance of occurring

2 Unlikely 1-20% chance of occurring

1 Rare <1% chance of occurring