



# ABANDON NORMAL DEVICES

## ABANDON NORMAL DEVICES RISK ASSESSMENT: PROJECT DAEDALUS

ASSESSMENT OF RISK TO THE PARTICIPANTS AND STAFF DURING PROJECT DAEDALUS LAB AND SANDPIT EVENTS.

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PREPARED BY	[REDACTED]
DATE	[REDACTED]
UPDATED	
DATE	



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## ACTIVITY OVERVIEW

**Activity Name:** Project Daedalus –Showcase

**Description of Activity:**

**Lab #1 London & Lab #2 Manchester:** Invited members of arts and cultural organisations will attend a showcase of works from the project in Somerset House. Here they will view a showreel of films, static drones on display, and prints. They will also have the opportunity to fly nano (palm of the hand) size drones and Virtual Reality experiences via an Oculus Rift.

Individual	Organisation	Insurance
[REDACTED]	[REDACTED]	public liability
[REDACTED]	[REDACTED]	public liability also
[REDACTED]	[REDACTED]	insurance.
[REDACTED]	[REDACTED]	Public liability
[REDACTED]	[REDACTED]	Public liability
[REDACTED]	[REDACTED]	Public liability also
[REDACTED]	[REDACTED]	insurance.
[REDACTED]	[REDACTED]	None
[REDACTED]	[REDACTED]	AND Employers Liability
[REDACTED]	[REDACTED]	AND Employers Liability

**Emergency Contacts:** [REDACTED]

**Schedule and dates by Event / Action**

Date	Event / Action
[REDACTED]	Showcase



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## Event Risk Assessment Guidance Notes

This Risk Assessment relates to the persons attending the event as guests and staff from AND, MLF and the University of Salford working on Project Daedalus.

This Risk Assessment is based upon information and experience gained from other previous similar events. This will form the statement of intent for the event.

All staff and guests shall observe the Health and Safety Regulation currently in place at the site as made known to them by the Event Organisers.

## Groups of people which may be affected

<b>A</b>	Guests
<b>B</b>	Staff
<b>C</b>	General Public



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## General Risk Assessment Priority Ranking

### Likelihood

X	5	4	3	2	1	0
5	25	20	15	10	5	0
4	20	16	12	8	4	0
3	15	12	9	6	3	0
2	10	8	6	4	2	0
1	5	4	3	2	1	0
0	0	0	0	0	0	0

### Likelihood

Almost certain – 5

Very likely – 4

Likely – 3

Unlikely – 2

Very unlikely – 1

Zero to very low – 0

**Unacceptable**

Acceptable

### Severity

Fatality/disabling - 5

Major injury /illness - 4

3 day injury/illness - 3

Minor injury/illness – 2

First aid injury/illness - 1

No injury/illness - 0



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## RISK ASSESSMENT: Lab #1 London

### SCHEDULE

Start Date: [REDACTED]

End Date: [REDACTED]

### GENERAL

Staffing: 8 x AND, MLF & UoS staff

Attendees: Max 100

Welfare Provisions: Toilets & first aid

### LOCATION

[REDACTED]

### Workshop - Effecting groups A and B

NO	TASK	HAZARD (HARM)	CAUSE	LIKE - LIHOOD	SEVERITY	ACCEPT Y/N	CONTROLS	LIKE - LIHOOD	SEVERITY	ACCEPT Y/N
1	Setting up general technical equipment	Trip hazard	Electrical wires running around and electrical equipment present.	3	2	N	Crew will all be aware of the wires and all wires that run in publicly accessible areas will be covered by wire guarding and check regularly by crew.	1	2	Y
2	Risk of drone crashing into the floor, walls or property in the venue.	Scatched property / building.	Drone flying into walls or floor through pilot error.	4	0	N	The drones flown by guests will be nano drones (size of a hand) they will all have propeller guards in place. The propeller guards protect the building, drone and people from risk of harm from the nano drone's rotors. Contact with moving rotors would cause a scratch on a soft building surface such as textured wallpaper. The guards will prevent this from happening accidently.  The guest will fly a nano drone under the direct supervision of an experienced staff member. So there will be no more than two drones in the air at once.	1 1 1	0 0 0	Y



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							<p>The guest will complete a verbal induction to flying from the staff before flight, this will include how to safely land the drone and to not fly close to walls and fixtures.</p> <p>The staff member will be physically close to the guest flying the drone, and able to adjust the controls if necessary.</p> <p>The guest and staff member operating the drone stand a distance away from any others in the room to avoid possible jostling.</p> <p>The guests will only fly nano drones that have been safety checked before use. There will be a member of staff whose job it is to ensure these checks take place before and after every flight. This will minimise the risk of unintended flying directions.</p>	<p><u>1</u></p> <p><u>1</u></p> <p><u>1</u></p>	<p><u>0</u></p> <p><u>0</u></p> <p><u>0</u></p>	
<u>3</u>	Risk of drone crashing into a person.	Bruising or scratched skin.	Drone flying into a person through pilot error.	<u>2</u>	<u>1</u>	<u>N</u>	<p>The drones flown by guests will be nano drones (size of a hand) they will all have propeller guards in place. The propeller guards protect the building, drone and people from risk of harm from the nano drone's rotors. Contact with moving rotors would cause a scratch on a soft building surface such as textured wallpaper. The guards will prevent this from happening accidentally.</p> <p>The guest will fly a nano drone under the direct supervision of an experienced staff member.</p> <p>The guest will complete a verbal induction to flying from the staff before flight, this will include how to safely land the drone and to not fly close to walls and fixtures.</p> <p>The staff member will be physically close to the guest flying the drone, and able to adjust the controls if necessary.</p> <p>The guest and staff member operating the drone stand a distance away from any others in the room to avoid possible jostling.</p> <p>The guests will only fly nano drones that have been safety checked before use. There will be a member of staff whose job it is to ensure these checks take place before and after every flight. This will minimise the risk of unintended flying directions.</p> <p>The nano drones will be placed at the far side of the room away from the staff, guests and doors to the room.</p>	<p><u>1</u></p> <p><u>1</u></p> <p><u>1</u></p> <p><u>1</u></p> <p><u>1</u></p> <p><u>1</u></p> <p><u>1</u></p>	<p><u>1</u></p> <p><u>1</u></p> <p><u>1</u></p> <p><u>1</u></p> <p><u>1</u></p> <p><u>1</u></p>	<u>Y</u>



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							<p>The nano drones will only be handled by staff members, whilst the controller is not in anyone else's hand to avoid sudden flight or propeller movement whilst in the staff members hands.</p> <p>If the guest or staff member flies the drone in proximity to people, the drone will be landed or directed to be landed by the staff member.</p> <p>There will be no more five spectators in the flying room at any one time, this will be controlled by a member of staff on the door to the flying room.</p>	1	1	
4	Risk of drone crashing into a person not taking part in the activity.	Bruising or scratched skin.	Drone flying into a person through pilot error.	1	1	N	<p>Signs will be placed on the doors to the room indicating that drones will be flown. This way staff assisting in catering in non flight parts of the session will not accidentally walk into the room.</p> <p>The drones flown by guests will be nano drones (size of a hand) they will all have propeller guards in place. The propeller guards protect the building, drone and people from risk of harm from the nano drone's rotors. Contact with moving rotors would cause a scratch on a soft building surface such as textured wallpaper. The guards will prevent this from happening accidentally.</p> <p>The guest will fly a nano drone under the direct supervision of an experienced staff member. So there will be no more than two drones in the air at once.</p> <p>The guest will complete a verbal induction to flying from the staff before flight, this will include how to safely land the drone and to not fly close to walls and fixtures.</p> <p>The staff member will be physically close to the guest flying the drone, and able to adjust the controls if necessary.</p> <p>The guest and staff member operating the drone stand a distance away from any others in the room to avoid possible jostling.</p> <p>The guests will only fly nano drones that have been safety checked before use. There will be a member of staff whose job it is to ensure these checks take place before and after every flight. This will minimise the risk of unintended flying directions.</p> <p>The nano drones will be placed at the far side of the room away from the staff, guests and doors to the room. Being away from</p>	1	1	Y



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							<p>the doors should prevent the likelihood of a drone crashing into a person suddenly entering the room.</p> <p>The nano drones will only be handled by staff members, whilst the controller is not in anyone else's hand to avoid sudden flight or propeller movement whilst in the staff members hands.</p> <p>If the guest or staff member flies the drone in proximity to people, the drone will be landed or directed to be landed by the staff member.</p> <p>There will be no more five spectators in the flying room at any one time, this will be controlled by a member of staff on the door to the flying room.</p>	1	1	
<u>5</u>	Risk of feeling dizzy whilst using virtual reality.	Feeling dizzy	Using virtual reality goggles	<u>2</u>	<u>1</u>	<u>N</u>	<p>Staff showing the guests the virtual reality will warn them that they may feel dizzy with motion sickness when using the devices.</p> <p>Anyone who feels dizzy will take off the glasses.</p> <p>If the dizziness persists beyond a minute the first aider will assess if the symptoms warrant further medical attention, and take the guest to further assistance if so.</p>	1	<u>2</u>	<u>Y</u>
<u>6</u>	Risk of battery catching fire when charging.	Fire starting	A battery is over charged and catches fire.	<u>1</u>	<u>5</u>	<u>N</u>	<p>The batteries will be stored within a fireproof bag whilst they are charging.</p> <p>The batteries will be monitored by a member of staff whilst charging so that they are not overcharged.</p>	1	<u>5</u>	<u>Y</u>