

# FINNOVATORS

## Job Safety Analysis

Task	Potential Hazards	Risk Control Measures	Responsible Persons
1. Soldering wires	<p>1a. High heat from solder causes injuries</p> <p>1b. High heat from solder burns other equipment</p> <p>1c. High heat from solder causes a fire</p>	<p>1a. Any person soldering must have been trained by an approved team member</p> <p>1b. Soldering iron will be turned off while not in use</p> <p>1c. Soldering iron will be placed in protective shield</p> <p>1d. The area of soldering will have adequate ventilation</p>	<p>1a. Any person soldering is responsible for any injury which occurs</p>
2. ROV deployment	<p>2a. Claw causes bodily injury</p> <p>2b. Propellers cause bodily injury</p> <p>2c. Tripping over ROV tether</p> <p>2d. ROV is dropped</p>	<p>2a. All moving parts on ROV are labeled</p> <p>2b. Only authorized persons will be near ROV during start-up</p>	<p>2a. Jostan Brown and Gatlin Andrews are responsible for any injuries which occur from the ROV</p>
3. Wiring and testing electronics	<p>3a. During wiring or testing, a short circuit is created</p> <p>3b. Short circuit causes electric shocks or a fire</p>	<p>3a. During electronic wiring, fuses were placed in</p> <p>3b. During electronic design phase,</p>	<p>3a. Alex Rash, Ryan Russell, and Gatlin Andrews are responsible for the implementation of the risk control measures</p>

		<p>3c. A fire extinguisher was proximal to electronic wiring</p> <p>3d. Only authorized persons will be allowed to work on electronics</p>	<p>3b. Any person not following the risk control measures will be held responsible for any injuries which occur from short circuits</p>
<p>4. Use of drills, table saws, and other power tools</p>	<p>4a. Drills, table saws, and other power tools can cause bodily injury</p> <p>4b. Tools cause an electrical fire</p>	<p>4a. Safety glasses will be worn at all times during use</p> <p>4b. All team members, before using power tools</p>	<p>4a. Any person using a power tool will be responsible for any injuries which occur</p> <p>4b. Natalie DeWitt will be responsible for training all team members in power tool safety</p>