# Job Safety Analysis:
## Heritage Robotics Technologies

<table>
<thead>
<tr>
<th>Tasks</th>
<th>Hazards</th>
<th>Risk Control</th>
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</table>
| Building the ROV       | ● Burns from the soldering iron  
                        ● Cuts  
                        ● Tripping  
                        ● Electrical shock  
                        ● Entanglement in power tools | ● Wear gloves and safety goggles when hot tools are being used  
                        ● Wrap all sharp objects  
                        ● Maintain a clean workplace and keep all cables tied to the wall of stuck to the floor  
                        ● Keep power turned off until connections are ensured  
                        ● Always wearing long hair up  
                        ● No long sleeves or open toed shoes |
| CNC Routering          | ● Hearing damage  
                        ● Eye damage  
                        ● Cuts | ● Use earplugs  
                        ● Always wear safety glasses  
                        ● Always close door when running  
                        ● Ensure bit has stopped spinning prior to opening the door |
| Carry ROV/Place in water | ● Tripping  
                        ● Back injury  
                        ● Drowning  
                        ● Miscommunication | ● No running on the poolside  
                        ● Make sure all electrical components are sealed  
                        ● Communicate with all team members  
                        ● Kneel down instead of bowing down with the ROV  
                        ● Wear life jackets  
                        ● Never launch alone |