

Job Safety Analysis:

Heritage Robotics Technologies

Tasks	Hazards	Risk Control
Building the ROV	<ul style="list-style-type: none">• Burns from the soldering iron• Cuts• Tripping• Electrical shock• Entanglement in power tools	<ul style="list-style-type: none">• 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 or 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 Routing	<ul style="list-style-type: none">• Hearing damage• Eye damage• Cuts	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• Tripping• Back injury• Drowning• Miscommunication	<ul style="list-style-type: none">• 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

