



# Job Safety Analysis

Safety Information for Kaimana Enterprises 2016

Task	Potential Hazards	Controls
Using power tools (soldering irons, power drills, etc.)	<ul style="list-style-type: none"> <li>- Physical injuries from sharp edges, heavy objects, flying material (burns and punctures)</li> <li>- Injury from harmful soldering fumes and chemical contaminants (lead solder)</li> </ul>	<ul style="list-style-type: none"> <li>- Proper ventilation in designated work area (use Reduction of Harmful Substance) compliant lead solder, or lead-free solder</li> <li><b>Required Training:</b> Operation of power tools</li> <li><b>Required Equipment:</b> Eye protection (safety goggles), long pants, covered shoes, masks (optional)</li> </ul>
Using hand tools (hammer, files, screwdrivers, hand drills, etc.)	<ul style="list-style-type: none"> <li>- Skin injuries from sharp edges or heavy objects.</li> <li>- Flying objects (wood; metal)</li> </ul>	<ul style="list-style-type: none"> <li><b>Required Training:</b> Operating power tools</li> <li>- Use the appropriate tool(s) for the task</li> <li>- Avoid using tools when tired and avoid carelessness</li> <li><b>Required Equipment:</b> Eye protection (safety glasses), long pants, covered shoes</li> </ul>
Transporting the ROV	<ul style="list-style-type: none"> <li>- Physical injuries from sharp edges and/or heavy items</li> <li>- Damaging the ROV</li> </ul>	<ul style="list-style-type: none"> <li>- File and mark sharp edges down with colored electrical tape</li> <li>- Use a cart to transport ROV</li> <li><b>Required Equipment:</b> Covered shoes</li> </ul>
Testing the ROV	<ul style="list-style-type: none"> <li>- Shorts due to improperly sealed connection stripping on tether/vehicle</li> </ul>	<ul style="list-style-type: none"> <li>- Efficiently inspect connections before putting the ROV in water (seal connections with adhesive heat shrink, RTV silicone, and/or marine epoxy)</li> <li>- Be aware and cautious of actions; keep area tidy, bright yellow tether</li> <li><b>Required Equipment:</b> Covered shoes</li> </ul>
Deploying the ROV	<ul style="list-style-type: none"> <li>- Falling into the water</li> <li>- Tripping on unraveled tether</li> </ul>	<ul style="list-style-type: none"> <li>- Only unbundle necessary tether</li> <li>- Pay attention to the surroundings</li> <li><b>Required Equipment:</b> Covered shoes and eye protection (safety glasses)</li> </ul>