



Job Safety Analysis (JSA)

Macau Anglican College · Fish Logic

Analyzed By: Chan, Yee Lam Cerys

Analyzed Date: 4/3/2019

Required Personal Protective Equipment:

- A buddy (Never work alone)
- Safety goggles
- Gloves
- Non-slip shoes
- Safety masks

Task	Hazards	Controls
Building the ROV	Electric shock/ Electrocution	Keep items turned off until connections are ensured.
	Burns	Wear gloves and safety goggles when hot tools are used.
	Cuts	Wrap all sharp objects.
	Trips	Maintain a clean environment and keep all cables tied to the wall or stuck to the floor.
	Intoxication	Wear mask when soldering and handling resin, to prevent smoke and harmful chemicals entering the lungs.
Pre-launch	Slips/Trips/Falls	Wear non-slip shoes and inspect pool area for trip hazards before launching the ROV. Keep track of the tether.
	Electrocution	<ol style="list-style-type: none"> 1. Ensure power switches are off. 2. Ensure all plug and socket connection are connected properly and covered with petroleum oil. 3. Ensure all connections are properly wired.
Launch and Retrieval	Back Strain	<ol style="list-style-type: none"> 1. Kneel down instead of bowing down. 2. Stay low and close to the edge of the pool.
	Cuts	Make sure all thrusters are disable and power is shut off before putting hands and fingers near the thrusters. (In case of the mesh and frame of the thrusters being damaged.)
	Drowning	Never launch alone. Ensure all personnel can swim, if not wear a life jacket.
	Electrocution	Cut the power immediately when leakage occurs.