

Kepler Enterprises Job Safety Analysis

Order	Task	Hazards	Potential Injuries	Steps Taken to Mitigate Risk	Responsible
1	Move ROV, laptop, and control box into ready position	Tripping Heavy Lifting	Skeletal Damage Back injury	Tether is managed at all times Proper lifting technique used (from the legs)	Safety Officer Pilot Co-Pilot Deck Assistant <hr/>
2	Connect control box to laptop and power source	Potential for electrocution	Burns, Electrocution	Touching exposed wires is avoided Live wires are identified and communicated to the team	Safety Officer Pilot Co-Pilot Deck Assistant <hr/>
3	Dry Test of ROV	Hair in Motors Fingers in motors	Hair Injury Finger Damage	Hair tied back or cut short Motors shrouded	Safety Officer Pilot Co-Pilot Deck Assistant <hr/>

Kepler Enterprises 2019 MATE ROV Competition

4	Place ROV in Water	Heavy lifting Tripping Potential	Back Injury Drowning in the pool, head injury	Proper technique is used to lift Life Jackets are worn at all times on deck, tether is managed by two at all times	Safety Officer Pilot Co-Pilot Deck Assistant _____
5	Wet Test of ROV	Fingers in Motors Falling into pool	Finger Injury Drowning	Shrouded motors, care is taken when handling ROV Life jackets at all times on deck	Safety Officer Pilot Co-Pilot Deck Assistant _____
6	Retrieve ROV	Heavy lifting Fingers in Motors Fingers Smashed	Back Injury, drowning Finger Injury Finger Injury	Proper Lifting Technique is used Shrouded motors Communication is used when putting robot on deck	Safety Officer Pilot Co-Pilot Deck Assistant _____
7	Remove ROV, Laptop, and Control Box from competition area	Heavy Lifting Tripping Potential	Back Injury Drowning in the pool, head injury	Proper Lifting Technique is used Life Jackets are worn at all times on deck, tether is managed by two at all times	Safety Officer Pilot Co-Pilot Deck Assistant _____