

Job Safety Analysis - Vortex Titans Team



Task	Hazard	control
Transporting the ROV	Foot injury	<ul style="list-style-type: none"> ✓ Securing all moving objects during transportation. ✓ Wearing closed-toe shoes.
	Hand or finger injury	<ul style="list-style-type: none"> ✓ Wearing gloves and making sure you are holding the objects tightly
Pre-launch	Slip/Trip/Falls	<ul style="list-style-type: none"> ✓ Wearing non-slip shoes ✓ Beware of the tether position ✓ Don't run in the station
Sharp objects	Cuts	<ul style="list-style-type: none"> ✓ Always use gloves and safety goggles
Launch and retrieval of ROV	Back injury	<ul style="list-style-type: none"> ✓ Picking heavy objects with lowering your back to prevent spinal disc injury ✓ Lifting heavy objects with the help of others
Power supply	Over voltage	<ul style="list-style-type: none"> ✓ Checking the voltage reading that shows nominal 48V
Pneumatic system	Max pressure in the tank Max pressure under water	<ul style="list-style-type: none"> ✓ Setting a relief value at 10bar ✓ Using a regulator at 2.75bar
Control box	Wet weather	<ul style="list-style-type: none"> ✓ Keeping the box turned off until in use ✓ Using sun shade to avoid rain

For further information about our safety procedures make sure to read Vortex Titan's technical report

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