U.STALL

Job Safety Analysis (JSA)

Validity: Dive Operation

Creation date: 03.04.2024

Personal Protective Equipment (PPE)
Closed, non-slip shoes
No jewellery and Tight-fitting clothing (non-loose)
Safety glasses
Tying back loose Hair
At least one other employee to supervise and assist in operations

	Job Step	Potential Hazards	Controls	Responsible Person
1	Entering/ exiting the pool deck area	danger of slipping back,shoulder and/or arm strain	1. No running is allowed 2. Choose clear and dry area 3. Tether is secured on the top of the ROV for transport 4. Heavy objects are lifted by squatting down and bending at the knees and/or ask for help	
2	System set up	electrocution danger on tripping	1. Set up control units away from the splash zone. 2. Put all electrical components on the table 3. Attach the monitor to the table 4. Keep control space clean (only Monitor, Laptop and Powersupply allowed) 5. Keep the power supply cable as short as possible	Team

3	Tether set up	danger of tripping	1. Ensure tether is laid out neatly with no knots or tangles. 2. Attach tether strain relief to the table.	Deployment Team, Observers
4	ROV Power up checks	electrocution hand/skin injury	1. ensure that no parts are able to come loose or fall of the ROV. 2. ensure that all fittings on the control box are tight and leak-proof. 3. verify that no one is touching the ROV directly 4. before turning on the ROV announce: "POWER ON" 5. check the connections to all on-board systems 6. check cameras 7. ready for launch	Pilots
6	Launch	danger of falling back,shoulder and/or arm strain	1. stand safe and consider the handling of the ROV with tether 2. use handhold, lift ROV by squatting down and bending at the knees	Co-Pilot
7	System Retrieval	danger of falling unexpected weight of ROV electrocution back,shoulder and/or arm strain	1. switch off the mains 2. retrieve ROV with the security rope 3. stand safe and consider the handling of the ROV with tether 4. remove ROV slowly and wait until Water is drained 5. use handhold, lift ROV by squatting down and bending at the knees	Co-Pilot