

Job Safety Analysis (JSA)



Task	Hazards	Controls	Responsible
Fabrication ROV			
Electrical connection	Electrical burn	Do not touch bare wires while the power is on	Engineer - electronic, Pilot
Instruments with increased temperature	Thermal burn	Use gloves and goggles when working with instruments with increased temperature	Engineer - electronic, Engineer - designer
Toxic materials	Intoxication	Working ventilated areas	Engineer - designer
Casing molding	Poisoning in pairs	Using a respirator	Engineer - designer
ROV Testing			
Control Box	Electrical burn	Do not touch the wet hand control unit	Pilot
Work on the street	Heat stroke	Wear protective clothing and sunglasses	All
Working the pool	Contusions	Use non-slippery shoes	All
Cable management	To stumble	When the cable is not used, it should be neatly folded. When used, it should always be under control.	Engineer - electronic
Theory and practice			
Required Training:	<ol style="list-style-type: none"> 1. Knowledge of safety precautions for working with electrical appliances. 2. Knowledge of the procedure for loading and unloading the underwater vehicle. 3. Experience in the management of an underwater robot in the pool. 		
Necessary personal protective equipment (PPE):	<ol style="list-style-type: none"> 1. Safety glasses and closed foot-wear for all work with the ROV. 2. Hearing protection during use with power tools and loud equipment. 3. Gloves and masks for use with potentially hazardous substances. 4. Non-slip footwear and life vest when working in the pool. 		
A short list of things considered potentially dangerous:	<ol style="list-style-type: none"> 1. High-speed rotating propeller blades. 2. Various resins and other chemical sealants. 3. Acetone and alcohol used for cleaning and subsequent processing of components. 4. High-voltage electronics RC-ROV. 		
Necessary information			
Editor:	Zaveryukhin A.A.		
Created:	25/05/2017		
Contact details:	LLC «RC-ROV», 1 Komsomolskaya str., Vladivostok, Russia. Phone: +7 924 335 44 25, e-mail: toshic.konstantinov@gmail.com		