



# Oceanus Company

Mindz, Alexandria, Egypt.

## Job Safety Analysis

### Mechanical Department

Job: Mechanical Engineer

Task	Potential Dangers	Preventive Measures
Drilling	<ul style="list-style-type: none"> <li>a) Hearing damage or loss.</li> <li>b) Sight damage.</li> <li>c) Wounds</li> </ul>	<ul style="list-style-type: none"> <li>a) Using hearing protection.</li> <li>b) Wearing eye goggles.</li> <li>c) Working under mentors' supervision.</li> </ul>
Remove spare and tool kits	Back pain from lifting	Lifting in the upright position. Visiting a doctor in case of injury.
Cutting	<ul style="list-style-type: none"> <li>a) Hearing damage or loss.</li> <li>b) Sight damage.</li> <li>c) Wounds</li> </ul>	<ul style="list-style-type: none"> <li>a) Using hearing protection.</li> <li>b) Wearing eye goggles.</li> <li>c) Working under mentors' supervision.</li> </ul>
Laser cutting		Wearing eye goggles

### Electrical Department

Job: Electrical Engineer

Task	Potential Dangers	Preventive Measures
Drilling PCB boards	Eye injury	Wearing eye goggles
Welding	<ul style="list-style-type: none"> <li>a) Burns</li> <li>b) Eye strain</li> </ul>	<ul style="list-style-type: none"> <li>a) Wearing eye goggles</li> <li>b) Ensure proper lighting.</li> </ul>

### Software Department

Job: Software Engineer

<b>Task</b>	<b>Potential Dangers</b>	<b>Preventive Measures</b>
<i>Coding</i>	<ul style="list-style-type: none"> <li>a) Back pain due to sitting in the same position for long.</li> <li>b) Eye strain.</li> <li>c) Headache.</li> </ul>	<ul style="list-style-type: none"> <li>a) Sitting in upright position.</li> <li>b) Taking regular breaks.</li> <li>c) Walk around during breaks.</li> <li>d) Ensure proper lighting.</li> <li>e) Use the computer at a relatively large distance.</li> </ul>

### **Underwater Missions**

#### *Job: Pilot*

<b>Task</b>	<b>Potential Dangers</b>	<b>Preventive Measures</b>
<i>Driving</i>	<ul style="list-style-type: none"> <li>a) Sun exposure</li> <li>b) Skin disease</li> <li>c) Eye strain from screens</li> <li>d) Back pain due to sitting in the same position for long.</li> </ul>	<ul style="list-style-type: none"> <li>a) Drinking a lot of water.</li> <li>b) Taking regular breaks.</li> <li>c) Wearing sunglasses and/or a cap.</li> <li>d) Sitting in upright position.</li> </ul>

#### *Job: Co-pilot*

<b>Task</b>	<b>Potential Dangers</b>	<b>Preventive Measures</b>
<i>Assisting the pilot</i>	<ul style="list-style-type: none"> <li>a) Sun exposure</li> <li>b) Skin disease</li> <li>c) Eye strain from screens</li> <li>d) Back pain due to sitting in the same position for long.</li> </ul>	<ul style="list-style-type: none"> <li>a) Drinking a lot of water.</li> <li>b) Taking regular breaks.</li> <li>c) Wearing sunglasses and/or a cap.</li> <li>d) Sitting in upright position.</li> </ul>

#### *Job: Tetherman*

<b>Task</b>	<b>Potential Dangers</b>	<b>Preventive Measures</b>
<i>Lifting the tether</i> <i>Pulling the ROV out of the water</i>	Back strain	Lifting in the upright position.