SAFE WORK INSTRUCTION

ROBOT - KUKA

PERSONAL PROTECTIVE EQUIPMENT

No PPE is required for robot operations

<table>
<thead>
<tr>
<th>POTENTIAL RISKS</th>
<th>DO NOT</th>
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<tbody>
<tr>
<td>Entrapment</td>
<td>✗ Do not apply power to the robots while people are in the Kuka cell.</td>
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<tr>
<td>Robot striking body parts</td>
<td>✗ Do not enter the cell when robots are armed.</td>
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<tr>
<td>Robot striking objects</td>
<td>✗ Do not use the robots if they are damaged.</td>
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<tr>
<td>Electrical shock</td>
<td>✗ Do not allow untrained people to use the robots.</td>
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<td></td>
<td>✗ Do not attempt to repair the robots and associated equipment if you have not been trained.</td>
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PRE-OPERATIONAL SAFETY CHECKS

 ✓ Locate and ensure you are familiar with operations and controls.
 ✓ Ensure that the robots and associated equipment are serviceable for the operation being conducted.
 ✓ Ensure the emergency cut-off switch and light curtains are working correctly.
 ✓ Check that the cell is clear of all people before inserting the arming key.
 ✓ Ensure all personnel are warned that the robot cell is about to be active before arming the robots.

OPERATIONAL SAFETY

 ✓ Comply with all operating instructions.
 ✓ Ensure people do not attempt to enter the robot cell.

ENDING OPERATIONS AND CLEANING UP

 ✓ Turn off and make safe all controls.
 ✓ Remove the arming key.
 ✓ Ensure the bot is correctly powered down when activities are completed.
 ✓ Ensure controls are made safe.