

Approved  
ORNL WORK PLAN  
Operations, Maintenance and Services



Work Plan Name / Rev: DESHAZO SENSOR CALI / 0  
Expiration Date: 10/3/2026

WORK SCOPE/DESCRIPTION				
Requester (Name/Badge/Division):	Vasquez, Silbino / 00603217 / X186			
Location of work (Bldg/Rm/Other):	8700 / TA-109 /			
Work Plan Title:	Deshazo no fly zone reprogramming			
Description of Service/Work Needed:	Deshazo will provide all labor to reprogram and calibrate the northside 30 ton crane sensors and no fly zone. This will require the use of a man lift and opening a control box.			
Charge Number, if required:				
Work Plan Grade/Worktype:	3 / 0			
Author (Name/Badge):	Vasquez, Silbino / 00603217			
File Attachments:	Badge	Name	Attachment Desc	File Name
	00603217	Vasquez, Silbino	PR quote	230799 - ORNL No Fly Zone Reprogram.pdf

INSTRUCTIONS

Prerequisites/Precautions:  
Walk down job and have a pre job with all Deshazo team and the F&O electricians. Contact intrument hall coordinators for access to BI 13 platform

Directions:  
Deshazo will provide all labor to reprogram and calibrate the northside 30 ton crane sensors and no fly zone. This will require the use of a man lift and opening a control box and reprogramming equipment.

Post Work Testing:  
Clean area of all materials and release crane to normal use .

Closeout:

JOB HAZARD EVALUATION

HAZARDS	PERMITS / CONTROLS
Deenergized Hazardous Energy Sources (LTV)	<ul style="list-style-type: none"> <li>  <a href="#">Perform Simple Lock/Tag/Verify</a> - Work meets all criteria for Simple LTV           <ul style="list-style-type: none"> <li>  No potential for stored, residual energy or re-accumulation of energy after shutdown</li> <li>  For a single hazardous energy source that can be: Identified, isolated, and locked</li> <li>  Isolation of single energy source completely de-energizes &amp; deactivates equipment/system</li> <li>  Energy source is isolated and locked out during service/maintenance</li> <li>  Single lockout device will achieve a locked-out condition.</li> <li>  Lockout is under personal control for each staff performing work</li> <li>  Work creates no hazard for other staff</li> <li>  Equipment/system has no known history of unexpected activation or re-energization during maintenance or servicing</li> </ul> </li> <li>  Otherwise: Perform Complex Lock/Tag/Verify</li> <li>  <a href="#">Authorized employee</a> performs Simple LTV actions:           <ul style="list-style-type: none"> <li>  Identify hazardous energy source</li> <li>  Identify energy isolation device</li> <li>  Isolate equipment from energy source</li> <li>  Install a personal lock</li> <li>  Confirm isolation of hazardous energy source</li> </ul> </li> <li>  <a href="#">Manage Lock/Tag/Verify for Subcontract/Vendor Work (ORNL-1113 Subcontractor/Vendor LTV Job-Briefing Checklist)</a></li> </ul>

Hoisting and Rigging	<ul style="list-style-type: none"> <li>  Inspections and preventive maintenance is complete:           <ul style="list-style-type: none"> <li>  Initial inspection</li> <li>  Pre-operational inspection</li> <li>  Monthly inspection</li> <li>  Annual/preventive inspection for H&amp;R equipment</li> </ul> </li> <li>  [Formerly Verification of current certification / inspections for H&amp;R equipment]</li> <li>  Hard hats</li> <li>  Safety shoes</li> <li>  Qualified personnel</li> <li>  Traffic control: with traffic control barrier need to be placed for traffic control when working on crane in high traffic area.</li> </ul>
Elevated Work	<ul style="list-style-type: none"> <li>  <a href="#">Fall Protection Competent Person</a>: Specify.</li> <li>  <a href="#">Fall Protection Training Requirements</a>: Specify.</li> <li>  Work platform</li> <li>  <a href="#">Aerial Lifts</a> (Boom, Articulating, Telescoping, Scissor, Bucket, etc.)</li> <li>  <a href="#">Fall Prevention System</a>: Specify.</li> <li>  Safety Harness/Fall Protection Equipment: Specify.</li> </ul>
Other Mechanical Hazards (Machine guarding issues, rotating equipment, sharp objects, pinch points, etc.): Watch for pinch points. Watch for potential cut and scrape areas.	<ul style="list-style-type: none"> <li>  Ensure guards are in place if applicable.</li> <li>  Place warning signs or markings</li> <li>  Workers in area shall not wear loose fitting clothing, jewelry, or other articles that might catch in moving equipment</li> </ul>

**DOCUMENTATION REVIEW AUTHORIZATION**  
(Approvals are certification of hazards assessment)

Reviewer/Approver Roles	Signature	Date
Accountable Management (Service Provider, Line, Equipment Owner, or Facility Management)	Hamby, Kevin	10/3/2024
IS/IH	Hostetler, Aaron	10/2/2024
Task Leader	Vasquez, Silbino	10/3/2024
<b>Work Package Concurrence</b>		
Facility Manager		
Operations Supervisor		
<b>Facility Manager Approval To Start Work</b>		
Facility Manager		
<b>Work Start Authorization</b>		
Task Leader		
<b>Work Acknowledged Complete</b>		
Task Leader		
<b>Worker Feedback:</b>		

**WORK DETAILS - Directions**

Hazards	Permits/Controls	Resources	Dur
1) - ORNL electrician to open control box and work with vendor on reprogramming and calibrating equipment.			
Deenergized Hazardous Energy Sources (LTV)	<ul style="list-style-type: none"> <li>  <a href="#">Perform Simple Lock/Tag/Verify</a> - Work meets all criteria for Simple LTV</li> <li>  No potential for stored, residual energy or re-accumulation of energy after shutdown</li> </ul>	<ul style="list-style-type: none"> <li>  Electrician</li> </ul>	4

	<ul style="list-style-type: none"> <li>  For a single hazardous energy source that can be: Identified, isolated, and locked</li> <li>  Isolation of single energy source completely de-energizes &amp; deactivates equipment/system</li> <li>  Energy source is isolated and locked out during service/maintenance</li> <li>  Single lockout device will achieve a locked-out condition.</li> <li>  Lockout is under personal control for each staff performing work</li> <li>  Work creates no hazard for other staff</li> <li>  Equipment/system has no known history of unexpected activation or re-energization during maintenance or servicing</li> </ul> <p>Otherwise: Perform Complex Lock/Tag/Verify</p> <ul style="list-style-type: none"> <li>  <u>Authorized employee</u> performs Simple LTV actions:</li> <li>  Identify hazardous energy source</li> <li>  Identify energy isolation device</li> <li>  Isolate equipment from energy source</li> <li>  Install a personal lock</li> <li>  Confirm isolation of hazardous energy source</li> <li>  <u>Manage Lock/Tag/Verify for Subcontract/Vendor Work (ORNL-1113 Subcontractor/Vendor LTV Job-Briefing Checklist)</u></li> </ul>	
Other Mechanical Hazards (Machine guarding issues, rotating equipment, sharp objects, pinch points, etc.)	<ul style="list-style-type: none"> <li>  Ensure guards are in place if applicable.</li> <li>  Safe-holding safeguarding</li> </ul>	
2) - Vendor will use manlift to access sensors to calibrate. Ladder may be used as well. Watch for overhead crane movement		
Hoisting and Rigging	<ul style="list-style-type: none"> <li>  Hard hats</li> <li>  Safety shoes</li> </ul>	<ul style="list-style-type: none"> <li>  Not Defined</li> <li>  2</li> </ul>
Elevated Work	<ul style="list-style-type: none"> <li>  <u>Inspecting Ladders</u> Guide [Step &amp; Fixed]</li> <li>  <u>Fall Protection Competent Person</u>: Specify.</li> <li>  Work platform</li> <li>  <u>Aerial Lifts</u> (Boom, Articulating, Telescoping, Scissor, Bucket, etc.): ensure training has been completed.</li> <li>  Safety Harness/Fall Protection Equipment: Specify.</li> </ul>	
Low Clearance (watch for overhead crane movement )	<ul style="list-style-type: none"> <li>  safety equipment : must wear hard hats when crane is moving overhead</li> </ul>	

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## PRE-JOB SAFETY REVIEW GUIDE

ID: 61886

**Scope of Work:** Review work package/plan to ensure all participants understand the work activity.

**Hazards:** Review the hazards identified in Job Hazard Evaluation (JHE) / work plan (IOP).

- ε Since the work package / plan was written: 1) Have conditions changed? 2) Are there new hazards? Refer to Field Notes and Focus Areas.

**Hazard Controls / Permits:** Review:

- ε Written permits for the work activity.
- ε Precautions, step warnings, Hold Points ...
- ε Personal Protective Equipment (PPE)

- ε Work instructions for information - e.g., steps where hazards are introduced.
- ε ORNL subject area requirements - e.g., non-permit hazard controls.

**Performing Work:**

- ε Discuss group/individual responsibilities for safe & effective work.
- ε Follow work instructions & safety procedures.
- ε Availability/location of materials, tools, etc.
- ε Any previous experiences / lessons learned?
- ε Response if work cannot be performed as planned.
- ε What is the worst thing that could happen?
- ε Are there Potential error traps with the job? → →
- ε Take a minute before: work start & leaving work area.
- ε Work Hand-off / Turnover - workers & Task Leader

→ **Potential Error Traps:**

- ε Time pressures
- ε Distractive environment
- ε High workload
- ε First time evolution
- ε First day back
- ε Vague guidance
- ε Over confidence
- ε Imprecise communications
- ε Work stress

**Abnormal Situation Response:**

- | Stop Work: Observe an unsafe act, activity or condition that creates an imminent danger.
- | Emergency Response: Discuss egress paths or other responses if problems are encountered.

**Field Notes and Focus Areas:** (Use this area as a work space to record notes related to new hazards identified in the field or changed conditions. Record feedback in work package/plan information systems.)

*By signing below, I am indicating that I have been briefed on the potential hazards associated with completing this job.*

Signature / Badge	Date	Signature / Badge	Date

6/12/2024

Quote Number: 230799

Oak Ridge National Lab  
Silbino Vasquess  
1 Bethel Valley Road  
Oak Ridge, TN 37831

vasquess@ornl.gov  
865-405-4507

Dear Silbino Vasquess:

DESHAZO is pleased to present the following quotation for your review:

**SCOPE OF WORK:**

Below is the price for Deshazo to come on site at SNS to reprogram the No-Fly Zone on the 30 ton Crane. Oak Ridge will supply a man lift. Reprogramming will take 1 day. Price does not include any materials.

**PRICING:**

Labor Price	3,130.00
	<b>Total Price:</b> <b>3,130.00</b>

**ADDITIONAL NOTES:**

1. Quote is subject to DESHAZO General Terms and Conditions, available at <http://www.deshazo.com/terms>
2. Unless specified in Scope of Work, all work is to be performed during normal working hours, Monday - Friday.
3. Any additional work beyond scope provided will be billed on a time and material basis.
4. Quote assumes free and clear access to crane, runway and all components to be serviced.
5. Quote does not include tax and freight.
6. Quote is valid for 30 days.
7. Payment Terms: Net 30 days
8. Fieldwork schedule subject to availability and delivery of parts, if applicable.

DESHAZO appreciates the opportunity to provide you with this quotation. If you have any questions please feel free to give me a call at 615.712.5353

Sincerely,

Sam Stone  
[sstone@deshazo.com](mailto:sstone@deshazo.com)

