



May 2026 | Oak Ridge National Laboratory

# Insights to Insights



AI Forecasting Team



U.S. DEPARTMENT  
of **ENERGY**

ORNL IS MANAGED BY UT-BATTELLE LLC  
FOR THE US DEPARTMENT OF ENERGY





## AI-POWERED INSIGHTS. SAFER BEHAVIORS. STRONGER RESULTS.

Insights2Insights uses AI to turn observations into action—highlighting the riskiest behaviors, the most common patterns, and the best practices that drive success.



Dashboard

Analytics

Observations

Reports

Success Stories

Settings



Shaping the Future  
of Science and Energy

Directorate / Division

All Directorates

Date Range

Apr 28, 2025 - May 28, 2025

Analyze



### AI SUMMARY

Across all directorates, **312** observations were analyzed. Focus on Line of Fire hazards, PPE use, and Proper Lifting. Great job recognizing successes in **Communication** and **Procedure Adherence**.

#### 1. MOST DANGEROUS OBSERVED RISKY BEHAVIORS



|   |                         |                 |
|---|-------------------------|-----------------|
| 1 | Line of Fire            | 87 observations |
| 2 | Bypassing Procedures    | 64 observations |
| 3 | Improper Lockout/Tagout | 41 observations |
| 4 | Working at Height       | 38 observations |
| 5 | Energy Isolation        | 29 observations |

These behaviors have the highest potential for serious injury or fatality.

#### 2. MOST COMMON OBSERVED RISKY BEHAVIORS



|   |                        |                  |
|---|------------------------|------------------|
| 1 | PPE Not Used           | 121 observations |
| 2 | Housekeeping           | 98 observations  |
| 3 | Procedure Not Followed | 77 observations  |
| 4 | Tools/Equipment Use    | 56 observations  |
| 5 | Distractions           | 44 observations  |

These behaviors occur most frequently and represent key opportunities for improvement.

#### 3. MOST NOTEWORTHY POSITIVE BEHAVIORS (SUCCESS)



|   |                          |              |
|---|--------------------------|--------------|
| ★ | Strong Communication     | 96 successes |
| ★ | Procedure Adherence      | 89 successes |
| ★ | PPE Compliance           | 75 successes |
| ★ | Teamwork                 | 62 successes |
| ★ | Stop Work Authority Used | 48 successes |

Keep recognizing and reinforcing these best practices!

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#### 2. MOST COMMON OBSERVED RISKY BEHAVIORS



#### 3. MOST NOTEWORTHY POSITIVE BEHAVIORS (SUCCESS)



## BUSINESS PROBLEM:

Unable to data mine  
Insights inputs for  
more nuanced  
information about  
what is being  
observed in the field.



## BUSINESS METRIC:

Periodic survey  
scores of manager  
satisfaction with  
insights trending

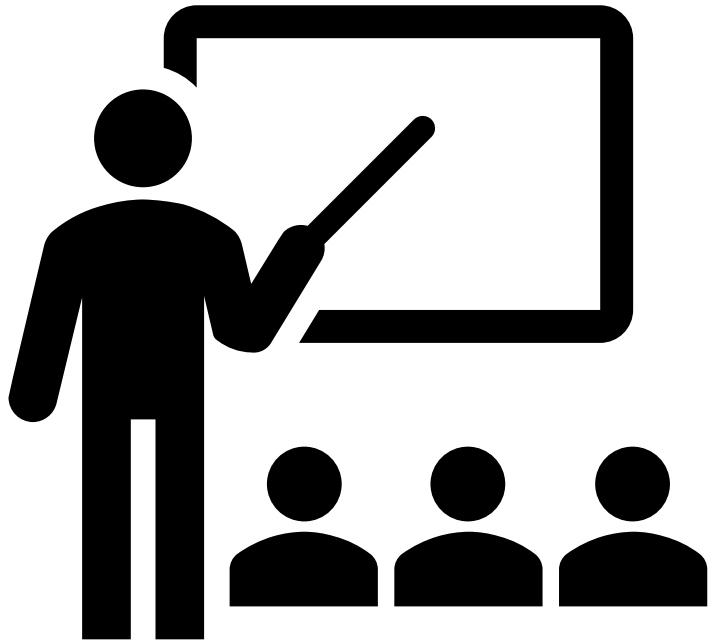


**The project scope is to use AI to determine the most dangerous, most common, and most noteworthy observations**

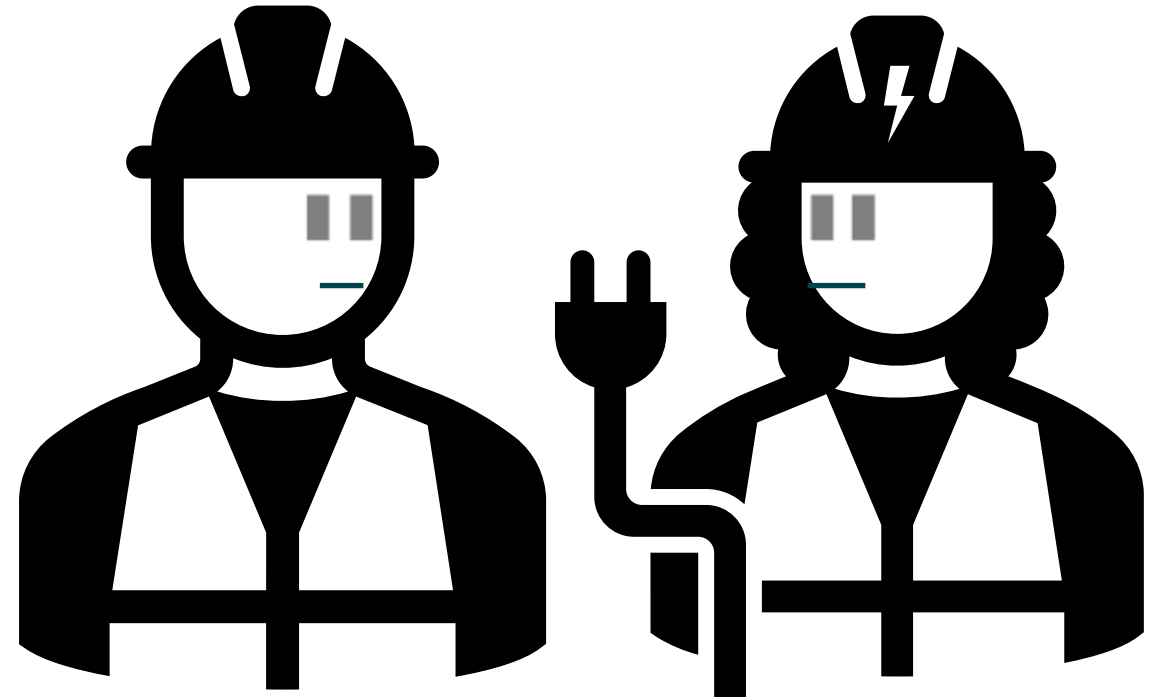


**Unobserved Insights are documentation of safety conversations outside of a work evolution while observed tend to be observations in the field\***

**Work\_Observed? False**

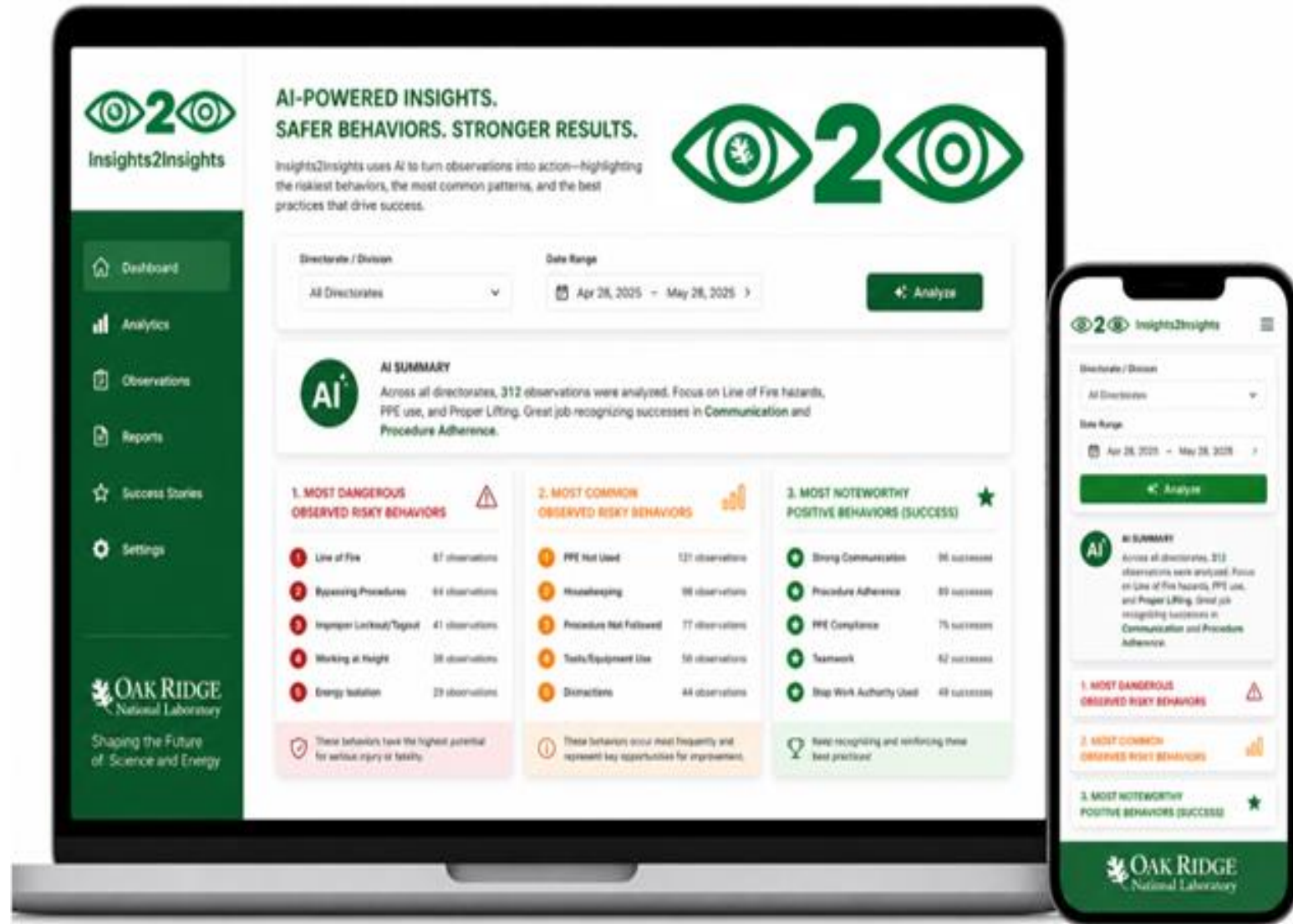


**Work\_Observed? True**



# Features will include the following:

- Insights by division and directorate
- Date range selection
- AI summary
- References to full Insight



**Part of this task may be to assign classifications where none exist particularly for the “most common” task**

