

ANOMALY ACTION CENTER: TAKE ACTION, AT SCALE

Progressively automate and accelerate anomaly response.

The Anomaly Action Center is an Industrial AI solution that aggregates anomalies from all asset and process models in TwinThread. It automatically prioritizes and triages so operations teams can easily drill deeper into anomalous conditions and determine corrective action.

THE CHALLENGE

Modern industrial systems may detect anomalies, but timely response remains a struggle. Noise and scattered information make it difficult for operations teams to prioritize issues and gather context. While teams work to diagnose root cause and determine next steps, the window to act continues to narrow.

Without a consistent resolution workflow, teams fall further behind. Details get lost during shift handoffs, and undocumented procedures and process knowledge slow troubleshooting. These delays compound, increasing the risk of process deviations, unplanned downtime, or even asset failure.

Across thousands of assets, this approach becomes unsustainable for resource-constrained teams.

A SOLUTION FOR THE ENTIRE ANOMALY LIFECYCLE





Unified Asset and Process Tracking: Bring together active anomalies across asset and process models into one view.



Automated Evaluation and Prioritization: Properties linked to multiple models receive a single normalized score, ensuring anomalies receive the right criticality.



Get Immediate Context and Granular Detail: Anomaly summaries, split-view visual comparisons of baseline against active state, and links to historical trend data all accelerate analysis.



Alert Rules Streamline Resolutions: As alerts trigger, rules automate the distribution of relevant Cases and Notebooks to drive immediate action.



Alerts Keep Teams Focused: Notify appropriate team members when anomalous properties pass critical thresholds. Access alerts via Alert Recommendations and see them auto-prioritized based on user behavior.



Work Process & System Integration: The Anomaly Rollup page, Alert functionality, and Case Workflows and Notebooks all connect to optimize anomaly resolution. Alert integration with third-party systems, like CMMS and QMS, allows teams to execute within existing tools.

Engineers



Eliminate manual data aggregation, reduce root-cause analysis time, and automate anomaly response.

Operators and Maintenance Technicians



Easily monitor flagged anomalies, promptly receive and execute corrective actions, and improve shift handoffs.

Plant Leads



Get better visibility into production health, maximize resource efficiency, and measure ROI by tracking wins and losses.

SCALE AUTOMATED WORKFLOWS THROUGH THE ANOMALY ACTION CENTER

ENGINEERS

1



Detect & Dispatch: Review prioritized issues. Create a Case/ticket to dispatch Operator or Technician for anomaly inspection.

OPERATORS & MAINTENANCE

2



Investigate, Report, Act: Inspect equipment or process. Report findings in Case/ticket. Execute fix from Engineering.

ENGINEERS

3



Document & Automate: Compile relevant data in Notebook linked to Case/ticket. Configure Alert Rule to automate delivery to Operators or Technicians when issue recurs.

PLANT LEADS

4



Summarize & Resolve: Engineering summarizes issue and sends details to Plant Lead. Lead ensures plant returns to healthy state.

See it in action: twinthread.com/solutions/anomaly-action-center