



The NTWIST nVISION Application is designed to revolutionize the process of detecting anomalies and quality of oil sands ore based on factors such as color, ambient light, and soil texture. Through near real-time analysis and predictive modeling of ore characteristics, the nVision solution helps enable plant personnel to maintain high ore grades.



NTWIST nVision Application

In today's world, businesses need to be able to make decisions based on real-time data. This is especially true in the mining industry, where plant operators must quickly identify and respond to changes in ore characteristics. To facilitate this process, NTWIST's nVision Prediction of Oil Sands Ore Characteristics (POSOC) Application provides mining plants with near real-time analysis of ore characteristics using CCTV footage. The solution analyzes video data collected during the dumping process to identify anomalies and help maintain a consistently high ore grade. This enables plant personnel to take timely and proactive action to address inconsistencies, ultimately improving the mining process, reducing downtime, and lowering operational costs through optimized resource utilization and minimized waste.

Key Features



Anomaly Detection



Seamless Scalability



Predictive Modeling



Real-Time Analytics

Enhancing Mining
Operation Efficiency
With AI-Optimized Oil
Sands Ore Analysis

Verticals:

- Manufacturing
- Transportation
- Energy

Use Cases:

- Situational Monitoring
- Asset and Operations Optimization

Country/Geos:

- North America
- South Asia

Learn more:

- [NTWIST Website](#)
- [NTWIST POSOC Blog Post](#)

Intel Products and Technologies

- [Intel® Xeon® Scalable Processors](#)
- [OpenVINO™ toolkit](#)
- [Intel® Extension for PyTorch](#)

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