



AI-Powered EOT Cranes

Intelligent. Safe. Automated.



IoT & AI-Powered Monitoring Dashboard

The AI monitoring dashboard continuously tracks crane performance in real-time. Smart sensors installed across critical points of the crane gather high-frequency data. AI algorithms process this stream instantly to detect minor anomalies and abnormal behavioral signatures long before actual equipment failure occurs. This enables proactive predictive maintenance and eliminates costly unplanned downtime.

Anand Systems Engineering develops advanced AI-powered EOT crane technologies designed specifically for modern industrial environments. The system seamlessly combines Artificial Intelligence (AI), IoT monitoring, predictive analytics, smart safety features, and automated crane motion control to drastically improve industrial safety, boost productivity, and deliver extreme operational precision.

Major AI Monitoring Components



Energy Meter



Vibration Sensor



Temperature Sensor



Brake Monitoring



Position Sensor



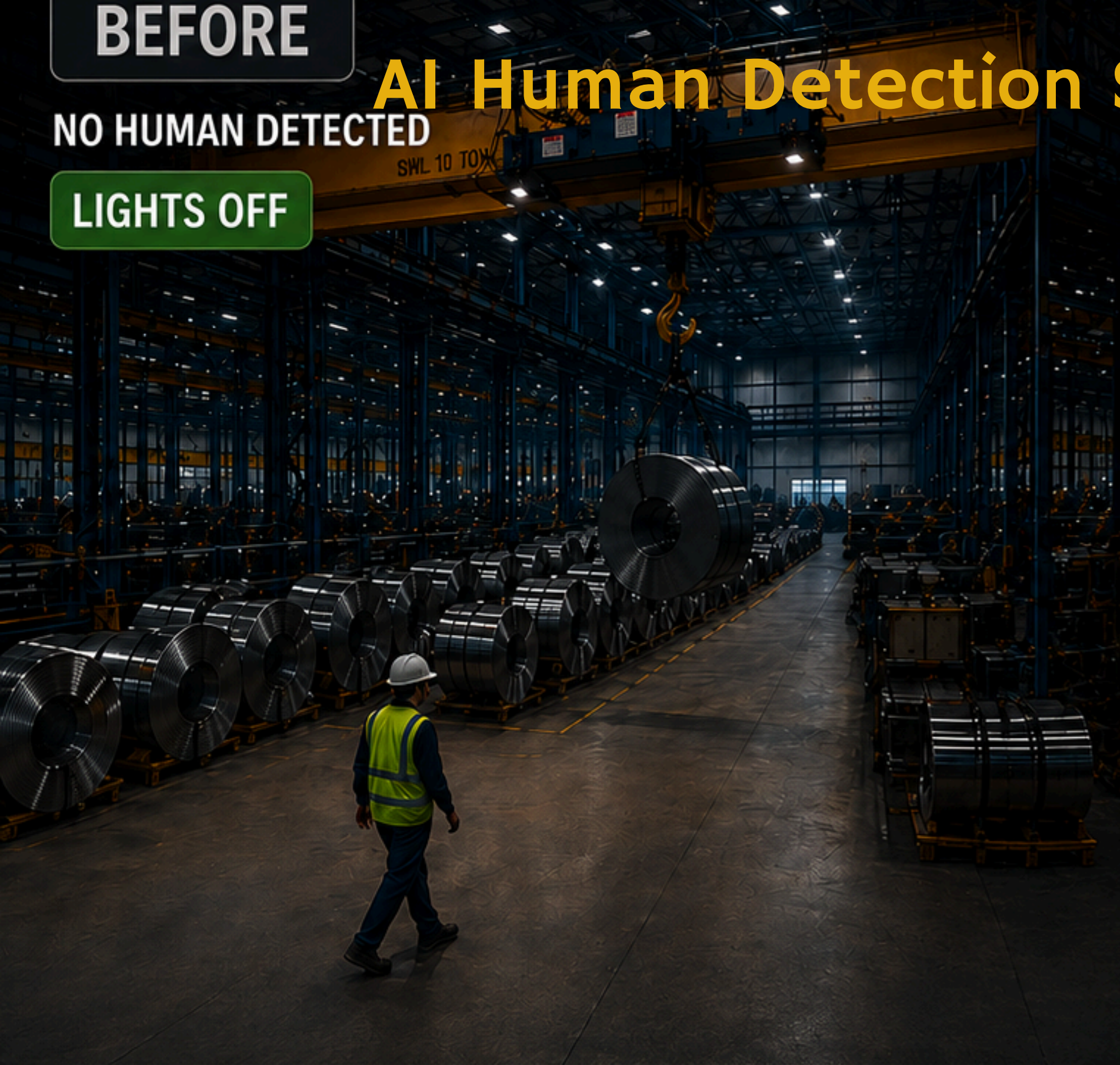
Rail Alignment

BEFORE

AI Human Detection Safety System

NO HUMAN DETECTED

LIGHTS OFF



Human outside the zone.
Lights remain **OFF**.

AFTER

HUMAN DETECTED

LIGHTS ON

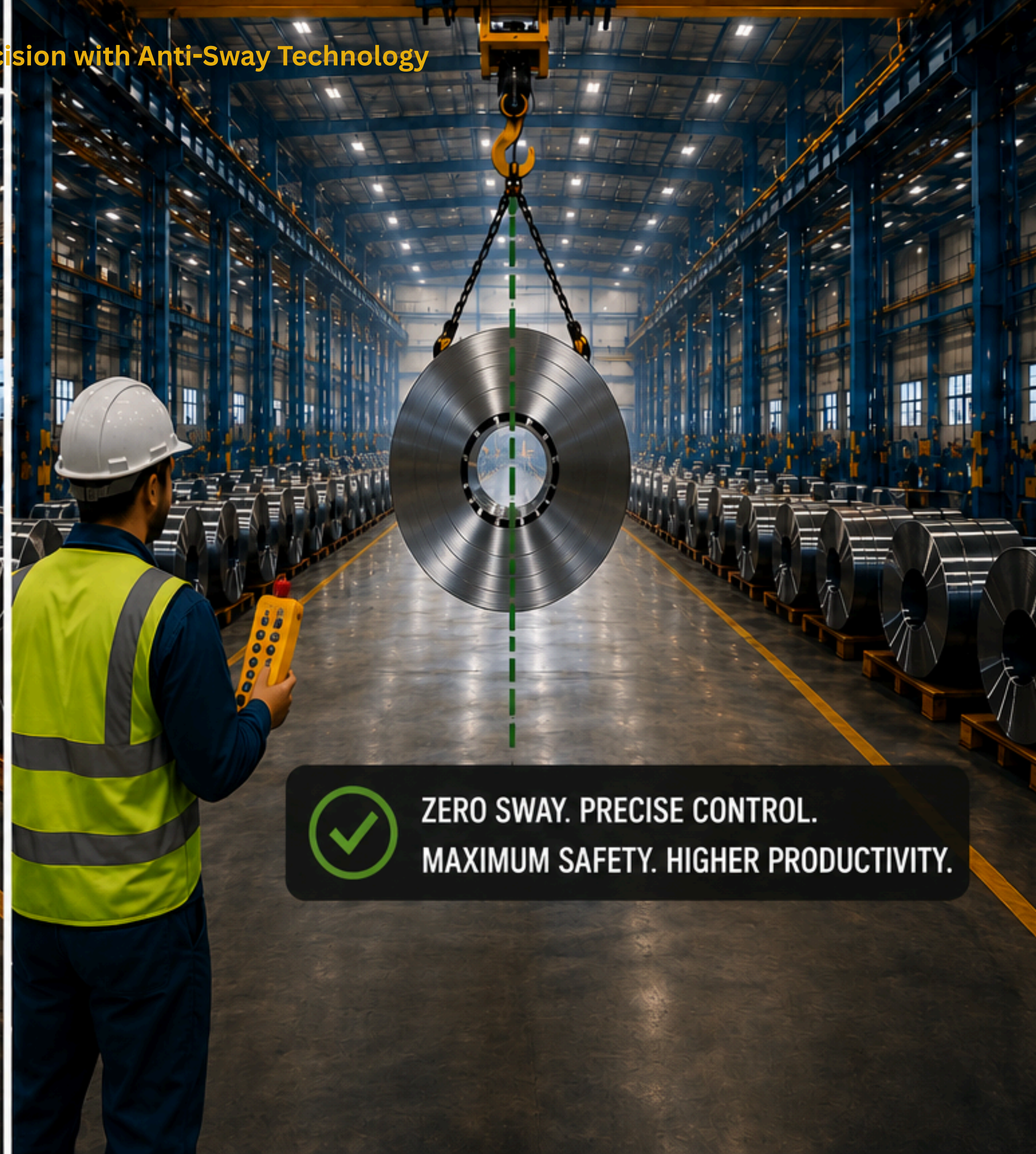


Human inside the zone.
Lights turn **ON**. Alert Active.

Enhance Crane Safety and Precision with Anti-Sway Technology



LOAD SWAY CAUSES DELAYS,
RISK AND INEFFICIENCY.



ZERO SWAY. PRECISE CONTROL.
MAXIMUM SAFETY. HIGHER PRODUCTIVITY.