

HTSCYCLE



Unleash the Power of AI to Stop Failures Before They Occur

Predict critical equipment failure hours in advance with HTSCycle - an AI and Machine Learning powered module. HTSCycle predicts failures, and also provides the user with a Most Likely Cause analysis at a system level in addition to Root Cause Analysis at an equipment level.

Detailed and extensive equipment data is captured from the TOS, FMDS, TEAMS, etc., and ingested to HTSCycle. Further, the internal data is enriched by external data feeds, such as; wind, humidity, temperature, rain etc.

HTSCycle then consolidates the data, interprets and learns from it to build an AI model that creates KPI's to indicate impending horizontal transport system equipment failures up to 4 hours in advance.

Operators are able to remove the faulty RTG, AGV or ITV from the Yard, and resolve the specific problem before a breakdown occurs. These proactive resolutions prevents a single yard vehicle breakdown from causing a partial or complete operational destabilization.

Eliminate wasted engineering time, money and man-hours on recovering equipment that fails unexpectedly. Predict failures before they occur using the HTSCycle.



Predict:

Critical HTS failures up to 4 hours before they occur



Identify:

What exactly is causing failures with Most Likely Cause (MLC) and Root Cause Analysis (RCA)



Minimize:

Operational impact, equipment congestion, unexpected HTS failures, and vessel, truck & train turnaround times



Increase:

Operational efficiency and container moves per hour

AICON

AICON solution suite optimizes container terminal operations. Using the latests AI technologies. AICON brings the future to the terminal to increase overall ROI.



Conforms to the terminal's constraints and parameters

Cloud based application
Viewable on any web browser

Seamlessly implemented
Simple to use



Most Likely Cause (MLC)

Based on the understanding of internal mechanics of each equipment such as; battery, navigation system, hydraulics and tire pressure, HTSCycle deduces and annunciates the MLC of failure

Failure Prediction

HTSCycle ingests the current state of equipment and uses AI to predict critical failure for AGV's, ASC's, ARMG's, and RTG's up to 4 hours in advance

