X-Instruments

Instrument maintenance accounts for a meaningful proportion of operating expenditure, and instrument failures continue to be a significant contributor to production losses. X-Instruments helps to address this industry wide challenge. The AI-driven tool provides automated surveillance and monitoring of instrumentation to help avoid costly downtime events.

Using unsupervised learning algorithms, X-Instruments proactively identifies instrument fault conditions such as loose connections, malfunctions and failures associated with any process or package trip instrument and uses specially designed filters to minimise false positives.

Benefits

- Detects leading indicators and provides early warning of potential trips from faulty instrumentation

Features

- Automated anomaly detection engine
- Easily customisable architecture allowing to quickly expand, enhance and tune the engine
- Classification of online, offline and transition period to minimise false positives
- Customisable and automated report triggered only when anomaly is detected
- Tracking system of most frequently reported instruments
- Tracking of new, active and cleared anomalies
- Several days' instrument overview allowing to compare current trend against historical one
- Indicator of improvement or further deterioration of an instrument
- Detection of loss of signal between instrument and monitoring system

X-Instruments is part of a range of AI-driven software tools designed by OPEX to help asset teams address specific business challenges.

Request a demo

e info@opex-group.com
t +44(0)1224 659 600

opex-group.com

X-PAS™