

IloT-enabled Equipment Condition Monitoring and Alert (IECOM)

BACKGROUND

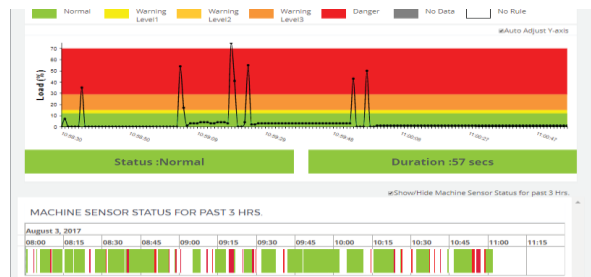
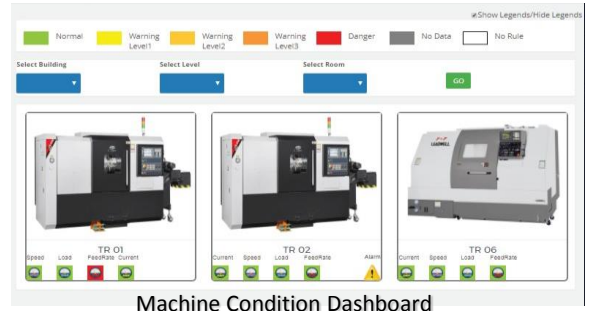
Machine breakdowns and unplanned downtime affects overall equipment effectiveness and interrupts delivery of services. Monitoring equipment's condition and alerting its impending failure can help to minimise disruptions and costly repairs.

OBJECTIVES

To help companies implement an equipment condition and alert system using Industrial Internet-of-Things (IIoT) devices to enable remote monitoring of machine conditions and alerting on deterioration and/or impending failures to minimise service disruptions.

DELIVERABLES

Type	Description
Consultancy	Set-up and Implementation
Hardware	Tablet & IIoT Hardware (capped at \$6,000)
Software	1 x IMAS Software License 1 year cloud subscription (MS OS and SQLServer) or 1 MS SQLServer Std Edn (5 CAL) License



Live and Historical Sensor Data Screen

BENEFITS

- Enable remote access to detailed live sensor data and key machine performance metrics
- Minimise unplanned downtime with alerts on impending failure
- Eliminate need for manual on-site equipment condition data collection
- User configurable multi-level alert settings and recommend actions

Productivity Indicator	Expected Improvement
Reduce machine down-time	10-20%
Reduce on-site data collection	80-95%

Total Cost: S\$25,000 + GST
 \$15,200 SPRING funding for SME (Subject to Approval)

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