

Overall Equipment Effectiveness Monitoring System (OEEMS)

BACKGROUND

Most manufacturers are unable to pinpoint the key losses contributing to low machine productivity as it is tedious to record, collate and analyse the data manually.

OBJECTIVE

To help companies implement an Overall Equipment Effectiveness (OEE) monitoring system to provide overall factory visibility on machine status, stoppages, job status and enable root cause analysis so as maximise machine utilisation and effectiveness.

DELIVERABLES

Type	Description
Consultancy	Set-up and Implementation
Hardware	8 x 7" Machine Data Utilisation Acquisition Devices (with barcode scanners) Android Tablets or Dashboards 1 x PC Computer
Software	1 x OEE System License 1 X MS SQLServer (5 CAL) License



OEE Dashboards



Machine Data Utilisation Acquisition Box

BENEFITS

- Convert losses into additional machine time
- A holistic way to find real machine utilisation problems with data to justify
- Make operators take ownership of unproductive time & take action to reduce
- Provide data for decision-making
- Improve machine productivity & utilisation

Productivity Indicator	Expected Improvement
Tooling down-time reduction	30 – 60%
Machine idle time reduction	30 - 70%
Rework and defects reduction	15 – 40%

Total Cost: S\$30,000 + GST

\$17,400 SPRING funding for SME (Subject to Approval)

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