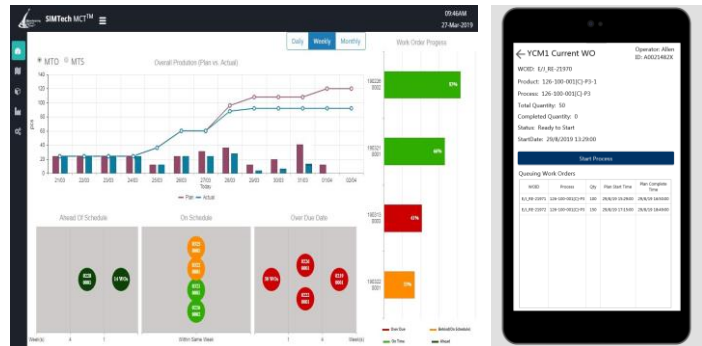# Real Time Dispatching and Tracking (RTDT)

BACKGROUND

In today's complicated manufacturing environment where any-mixed any-volume are normal and various dynamic events appear, how to swift respond to the unexpected events becomes a great challenge towards advanced smart factory. Real-Time Dispatching and Tracking (RTDT) specifically address the issues in question.

OBJECTIVE

To provide companies with a RTDT system that enables production personnel to effectively and efficiently deal with various unexpected events with rule-based real-time job dispatching, tracking and tracing capability, ultimately achieve high productivity and efficiency.

DELIVERABLES

Type	Description
Consultancy	• Configuration • On-site Implementation and Set-up
Hardware	• 1 x PC Computer hosting RTDT; • 1 x Android Tablets serving as Tracking Clients.
Software	• 1 x RTDT System License • 1 x MS SQL Server (5 CAL) License

Real Time Production Tracking

BENEFITS

- Provide **real-time visibility** with rich data through production tracking for smart decision-making
- Enable production personnel to perform **what-if analysis** to optimize machine utilisation
- Provide **flexibility** in auto-mode and manual mode dispatching with **customizable** dispatching rule(s)
- Provide **traceability** of WOs, Products & operators
- Provide **fleet management** for different types of AIV/AGV
- Open **standard interface** with company or 3rd-party ERP/MES and other systems

Productivity Indicator	Expected Improvement
Shorten response time to unexpected events	30 – 80%
Improve productivity	30 - 50%
Increase manageability	30 – 70%

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Total Cost: S$30,000 + GST

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