

Manufacturing Operations Management (with Mobile Shop Floor Tracking)



SIMTech's MOM Solution

OBJECTIVES

To implement the MOM solution which manages the entire manufacturing operation from production planning, raw material management, mobile shop floor tracking, to delivery order generation. Through this programme, companies would be able to effectively manage their manufacturing operations

BENEFITS

Productivity Indicator	Expected Improvement
Daily planning time	50 - 90%
Order fulfilment time	30 - 50%
Shop floor visibility	60 - 80%
Order status tracking	70 - 90%

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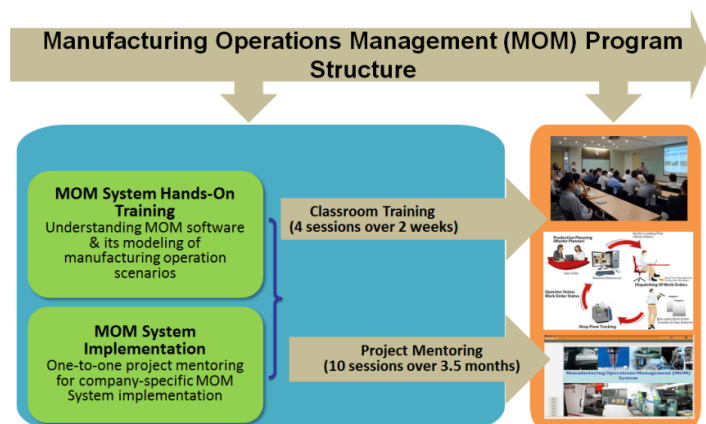
BACKGROUND

Manual production planning and work order status tracking are common practices in manufacturing companies. In addition, raw material management and delivery order generation are usually carried out in isolated systems. These manual activities are undesirable resulting in low productivity.

DELIVERABLES

Type	Description
Consultancy	2 x 1-day classroom training 10 x 0.5-day one-to-one project mentoring
Hardware	2 x Notebook computer 3 x Barcode scanner 2 x Industrial Grade PDA
Software	1 x MOM software license 1 x SQL Server 2012 (10 User CAL licenses)
Duration	4 months

Total Cost: S\$25,000 + GST



Smart Manufacturing Operations Management

BACKGROUND

Manual production planning, scheduling and work order tracking lead to low productivity but are commonly practised in manufacturing companies. It causes operational issues such as machine underutilisation, longer order cycle time, as well as the inability to respond to un-expected events such as machine breakdown or urgent orders.

OBJECTIVES

- Streamline production operations to ensure realistic delivery commitments
- Plan, schedule and track your manufacturing operations in a smart and efficient way

BENEFITS



Maximise Customer Satisfaction

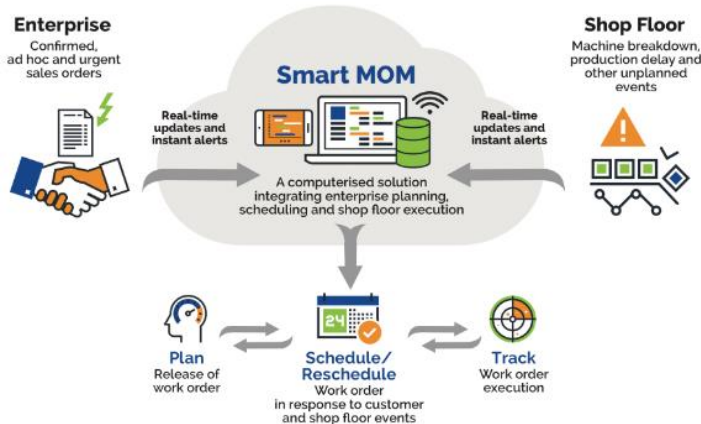


100% Order Visibility where customers can track the status of their orders anytime, anywhere



30% to 50% Reduction in time taken to fulfil the customer's order

FROM ENTERPRISE TO SHOP FLOOR



DELIVERABLES

Type	Description
Consultancy	2 x 1-day classroom training 10 x 0.5-day project mentoring
Hardware	2 x Notebook Computer 1 x Tablet PC, 3 x Barcode Scanner 2 x Industrial Grade PDA
Software	1 x Smart MOM license 1 x SQL Server 2012 (10 User CAL licenses)
Duration	4 months



Achieve High Operational Performance



30% to 60% Improvement in utilisation of machine resources



50% to 90% Reduction in time spent to plan, schedule and track

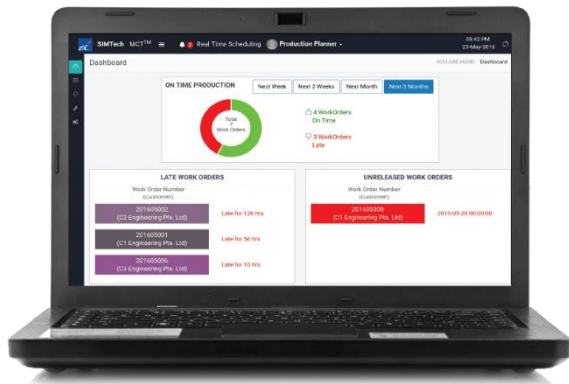
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Total Cost: S\$30,000 + GST

Real-Time Scheduling (RTS)



SIMTech's Real-time Scheduler Dashboard

BACKGROUND

Manual production scheduling and rescheduling with limited visibility is common practice in manufacturing companies. With real-time scheduling capability, companies will be more productive and responsive to dynamic changes and disruptions in their order fulfilment process.

DELIVERABLES

Type	Description
Consultancy	1 x 1-day classroom training 8 x 0.5-day project mentoring
Hardware	2 x Tablet
Software	1 x Real-time Scheduler license
Duration	4 months

Total Cost: S\$15,000 + GST

OBJECTIVES

As an add-on application to Manufacturing Operations Management (MOM) software, the mobile app for real-time scheduling allows production schedulers to promptly react to dynamic changes on-the-go.

BENEFITS

Productivity Indicator	Expected Improvement
Daily scheduling time	50 - 90%
Order fulfilment time	30 - 50%
Improve machine utilisation	30 - 60%
Improved response time for unplanned events	60 - 90%

- Schedule Smart**
Optimise and Adapt Production Schedule
- Instant Alerts to Unexpected Events
- One-click Automatic Rescheduling
- Real-time Insights on Machine Utilisation and Order Fulfilment
- Drag-and-Drop Gantt Chart Rescheduling

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