Building Global MES for integrated management of overseas production base in electronic assembly industry

Project Description

• Customer: Domestic battery protection circuit manufacturing company
• Solution: MES, FMB, QMS, APS, INV, Equipment Interface
• Range: PCM/PCA/Pack SMT and assembly line
  - S&OP, Line Scheduling, Raw Inventory and Product Management, MES, SMT Equipment Interface, Integrated Quality Control, and Integrated Monitoring

01 The Challenge

• Frequent delivery interruptions due to manual production planning and limitations in sharing information throughout the company
• Frequent production changes due to inventory shortage
• Excess work-in-process stock
• Impossible to track down defective using inventory in real time
• Company’s production, quality, and operational status were collected the next day due to manual management of production performances

02 The Solution

• Established enterprise integrated planning system for S&OP and conveyed corporate production plan
• Integrated management and inventory supply from HQ for inventory planned for production
• Prevented inventory misapplication for production products and implemented tracking of inventory by production Lot
• Created an integrated Summary System in HQ and implemented monitoring of entire company

03 Benefits

• Enabled timely delivery and monitored delivery time in advance
• Controlled stored-and-released process on reasonable grounds and reduced work-in-process stock
• Tracked used inventory and provided real-time quality analysis
• Secured Governance of production status of entire company