Production Monitoring and Dispatch (PMD) provides a centralized monitoring and notification system utilizing real-time data to identify events that can impact production and dispatch the corresponding tasks to the appropriate labor resources. Having this module’s visual display system on your production floor allows maximum visibility and communication between all departments within the factory.

Manufacturing enterprises without a centralized monitoring and dispatch system often experience unscheduled downtime due to work/load balance of labor resources and event response time. PMD’s event tracking, performance metric displays, and labor dispatching allow labor resources to be notified of production events regardless of their location. The result is that the right person does the right task at the right time to keep your production moving.

Real-time event data feeds into Production Monitoring and Dispatch from equipment and other PanaCIM™ Enterprise Edition modules. Events such as part exhausts, inefficiency warnings, and upcoming changeover appear on notification displays—so all parties are in sync with the production line.

As tasks for that event are acknowledged and completed, the system continues to monitor and dispatch new tasks along with real-time performance progress. The current state of the production line, including key performance indicators (KPI), is readily available at any time.

Features of Production Monitoring & Dispatch include:
• Immediate visual notification of real-time events, line and machine status
• Adaptive scheduling to actual production conditions
• Provision for operator acknowledgement and ownership of tasks
• Automatic detection of event resolution
• Key performance indicators (KPI) display
• Current product information display
• Upcoming product changeover information display
• Report generation for event history analysis by product, operator, and equipment
• Detailed production schedule display
production monitoring and dispatch

Performance progress displays can be as large as you require and are placed in strategic locations on your manufacturing floor to provide maximum visibility for each line’s operators. There is no limit to the number of displays that may be used. Each display is configured by the administrator to display data for a single production line.

Each display can show:

1. Graphical representations of the monitored equipment of the production line
2. Selected key process indicators (KPI’s) in a defined area such as:
   - Cumulative Material Supply Time
   - Cumulative Material Supply Event Quantity
   - Cumulative Equipment Alarm/Warning Event Quantity
   - Cumulative Equipment Alarm/Warning Time
   - Cumulative Line Operation Ratio (OR)
   - Hourly Line Operation Ratio (OR)
3. Current product in production
   - Current Product Name
   - Production Quantity Planned
   - Production Quantity Actual
4. Upcoming changeover information
   - Next Product Name
   - Planned Quantity
   - Estimated Start Time
5. Downtime and material supply events
   - Material Supply events
   - Part Exhaust
   - Splice Warning
   - Paste Check
   - Equipment Alarm/Warning events
   - Transfer Errors
   - Conveyor Jams
6. Digital clock with the current time