

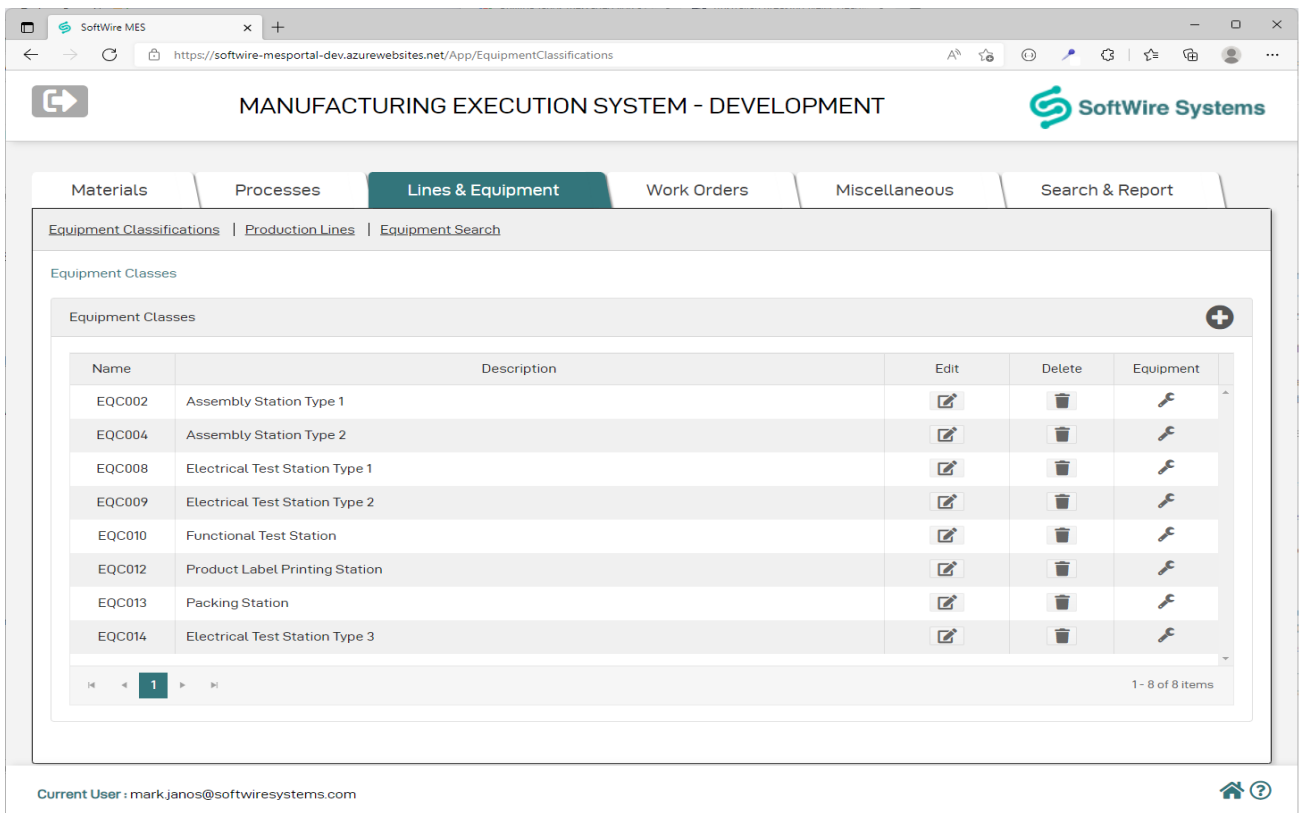
Bemes - Data Management Solution

What is Bemes?

The Bemes Data Management Solution is a platform for capturing data from production line stations, bridging the gap with your line of business applications, and providing a comprehensive picture of all manufacturing operations.

Securely hosted in Microsoft Azure, Bemes extends production capabilities to the cloud, enabling a vast array of integrations with Microsoft services including reports and dashboards, third party service integrations, advanced analytics and machine learning.

The Bemes platform provides everything you need to implement a complete data management solution, and can be extended to meet your unique requirements.



The screenshot displays the Bemes Manufacturing Execution System (MES) interface. The browser address bar shows the URL: <https://softwire-mesportal-dev.azurewebsites.net/App/EquipmentClassifications>. The page title is "MANUFACTURING EXECUTION SYSTEM - DEVELOPMENT" and the SoftWire Systems logo is visible in the top right corner. The navigation menu includes "Materials", "Processes", "Lines & Equipment" (selected), "Work Orders", "Miscellaneous", and "Search & Report". Below the navigation, there are tabs for "Equipment Classifications", "Production Lines", and "Equipment Search". The main content area is titled "Equipment Classes" and contains a table with the following data:

Name	Description	Edit	Delete	Equipment
EQC002	Assembly Station Type 1			
EQC004	Assembly Station Type 2			
EQC008	Electrical Test Station Type 1			
EQC009	Electrical Test Station Type 2			
EQC010	Functional Test Station			
EQC012	Product Label Printing Station			
EQC013	Packing Station			
EQC014	Electrical Test Station Type 3			

At the bottom of the table, there is a pagination control showing "1" of 8 items and a "1 - 8 of 8 items" indicator. The footer of the interface shows "Current User : mark.janos@softwiresystems.com" and a home/help icon.

Benefits of Bemes

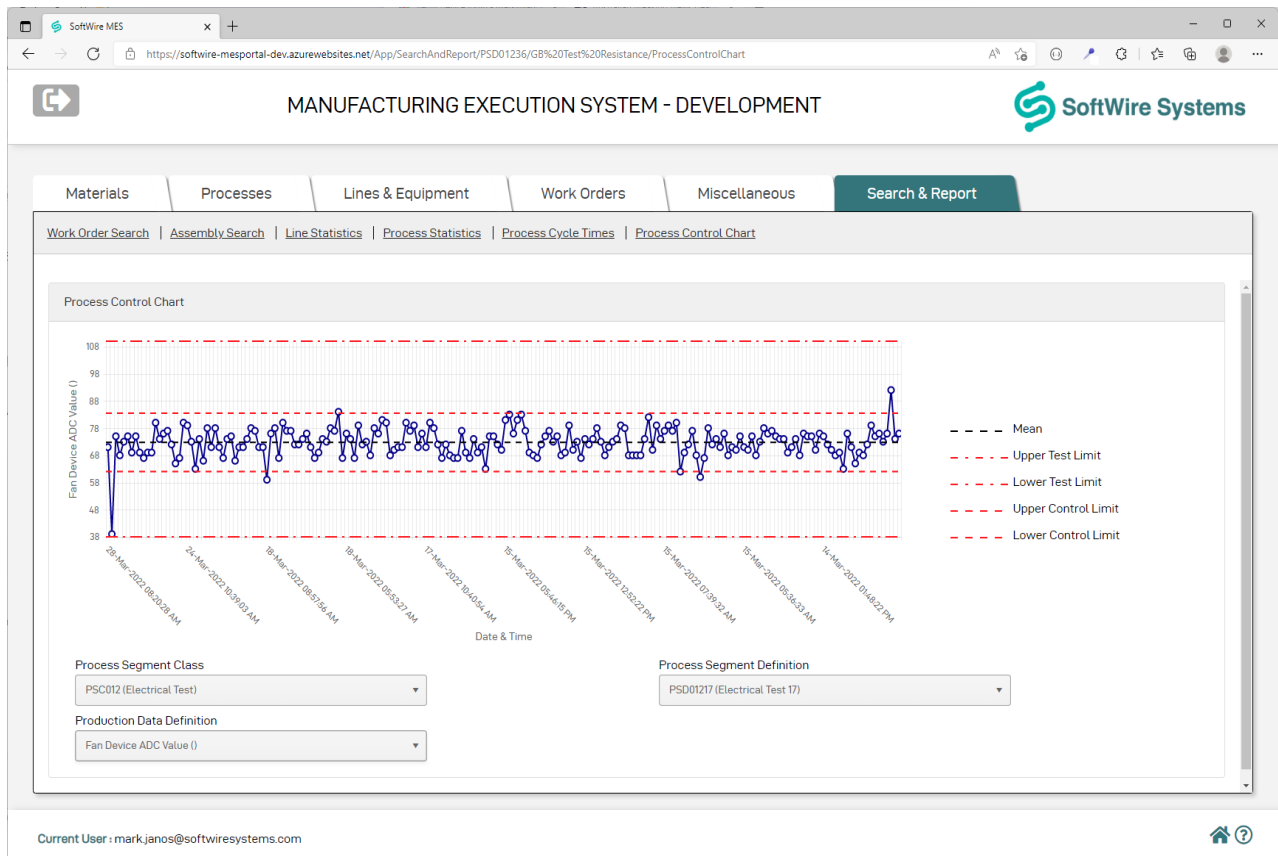
Operators and supervisors quickly appreciate the benefits of automating production decisions in real-time. Engineers find immediate productivity gains in being able to analyse data and manage manufacturing activities from any workstation.

Bemes has been designed for ease of integration with new or existing manufacturing activities. SoftWire Systems' experience with developing and commissioning production equipment ensures that we can provide a frictionless integration for both manufacturing and data management.

Core Services

The following Core Services are included with Bemes

- Secure Web Services for two-way integration with production stations
- Web portal for management and display of:
 - Materials
 - Quality Inspection Steps
 - Process Recipes
 - Process Workflows
 - Equipment and Production Lines
 - Work Instructions
 - Test & Process Results
- Reporting
- Databases and File Storage
- ERP Integration
- Label Printing



Customisation

Bemes can be further customised to suit your production needs, such as:

- Two-way integration with Line of Business Applications e.g. ERP Solutions (SAP, Oracle)
- Implementing Business Rules for rework and retries
- Customised Process and Goods Inwards Inspection Screens
- Shop Floor & Control Room Dashboards
- Daily Production summary email digest