MAJiK SYSTEMS™

MAJiK Systems – Manufacturing Execution System

Manufacturing Decision Makers want a single point-of-contact solution to easily access Key Performance Indicators in their factories so they can confidently make critical decisions with immediate results.

MAJiK Systems is a Manufacturing Execution System software provider for the Consumer Packaged Goods, Automotive, Aerospace, and Industrial Supply markets. MAJiK connects directly to the capital equipment on your plant floor using your existing network infrastructure, Programmable Logic Controllers, and other Factory Information Systems to capture production data in real-time. This allows you to monitor your equipment for effectiveness and production attainment, analyze your downtime, processes, and workflows for areas to improve, and optimize your production on a line, workgroup, and factory level.

Monitor, Analyze, Optimize

Monitor: Track Production, Scrap, and Equipment Utilization directly from the PLCs controlling your equipment. Find immediate areas of improvement and track the impact to your production week-over-week.

Monitor Center: Review production information: what you made, its quantity, and the scheduled start and end times for production. Record reasons and duration of downtime, and view reports within the Equipment Monitoring module.

Shift Reporting: Get a weekly snapshot of your factory that you can drill down on to find areas of improvement and track trends.

Notifications: Set Up **Text Messages** and **Email** Notifications to multiple devices for issues such as Downtime lasting too long, Production being completed, or Quality measures trending out of scope.

Analyze: In-Depth Equipment Information Analysis: Production vs Schedule, Downtime, Automatic Fault Code Detection and Assignment, Scrap and Losses, Weight Variance.
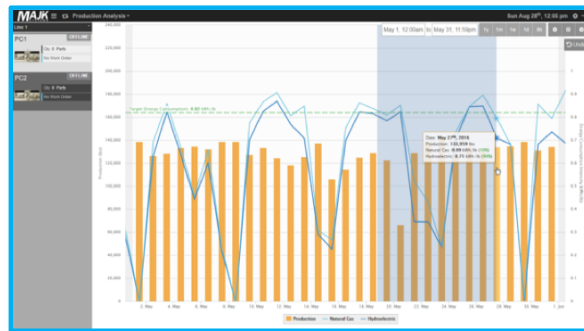

"MAJiK pays for itself in time saved."

- Mike McCord
  Manager, Corporate Inventory at Mother Parkers

Mother PARKERS TEA & COFFEE INC.

MAJiK System Features

Downtime Analysis: Drill down on top downtime reasons and root-cause them to individual machines, sub-systems, and fault codes. Find MTTR and MTBF for any combination of downtime reasons

Process Analysis: The Process Analysis Tool can be used to compare Production and sub-system processes across multiple machines. As more connectivity is added to equipment, you can track and analyze any type of sub-system sensor including Temperature, Pressure, Vibration, Electricity Usage, etc.

Optimize: Create a complete virtual model of your mission critical equipment for a full Industry 4.0 implementation. **Optimize your production and maintenance schedules, avoid breakdowns with our Predictive Maintenance tool set, and discover problems with Bottleneck Detection in our Plant Floor Layout**

Easy Installation at your Facility

MAJiK Systems does the hard **work connecting directly to your equipment** and **utilizing the existing Ethernet network** already in place in your factory. This means that there is **zero overhead of installing additional hardware to monitor your machines** (just ensure they are connected to your network).

MAJiK requires the following simple hardware set-up to be hosted at your production site:

- Virtual machine or physical server with internal network access
- 4 GB RAM
- 50 GB free hard drive space (recommended)
- Dual-core processor or equivalent
- Modern windows or Unix-based operating system installed

End-to End PLC Connectivity – MAJiK Supports the Following Brands and More!