Nery *MES*

The most advanced production floor management solution in its field.

* Management of all production floor resources with a single click
*On-line total Plant Floor Data Visibility *Shortens the supply chain and facilitates * Up to 30% savings on production costs * Integration capabilities to a wide range of devices and other business software systems

The use of over the counter ERP and MES systems does not provide any more the competitive edge needed. A business success in a competitive market requires high quality standards, service, and timely delivery. Faults in the identification during the production process and production costs reduction are critical aspects that enable keeping costs under control and higher profit margins. The investment software such as ERP or in an over the counter production floor software (MES) does not fulfill the overall industrial needs. It doesn't display or analyzes the specific data needed on line
to accomplish future challenges at the front of technology.

Nery increases production profitability

Amitec's Nery is the only MES system that provides precise visual resolution on all activities that take place at the production line area. The Nery system makes a real time analysis of system faults, deviations in raw material costs and in faulty devices. The delivery scheduling and production cost analysis, such as: production time per manufacturing machine, cost of raw materials,
labor, overhead (gas, water, electricity)and others. On-line alerts are delivered over the internet and via cellular phones to appropriate personnel, and an on-line view of the status throughout the facility can be monitored on a single screen. This view includes on-line analysis, documentation, reports and graphs.

Online monitoring, faults detection and production costs savings

By a push of a button, Nery , displays the status of the entire work process and the errors in the production stream. Detailed user friendly follow up reports that save up to 30% on production resources and man-power. Nery serves as a decision making tool for managers and production personnel. Nery provides the user with means to control the production process and enforce company policy and at the same time continuously improve output.

Maximum flexibility and adaptability to customer needs

Nery is a modular system that is easily adapted to entities of any size and different customers' needs. Nery is an off the shelve product as well as tailor made to specific specifications. Nery s secure, and is also continuously updated. Our product operates successfully in dozens factory plants.

Benefits

Visibility of all production processes.

On-line monitoring of performance and faults.

Shorten lead time from raw material to delivery date.

Provides timely information for decision makers.

Complete, one-click, up to the minute control, of all production floor components.

Maximizes yields from production line i.e. savings in man power and resources.

Speedy responses to incidences in facilitates in a timely manner with quick resolution.

Sorts and arranges production order, thus increases yields.

Streamlines the operation and reduces errors.

Uses BI to identify the best "man-machine" fit to accomplish the task in the most efficient way.

Cost-effective with rapid ROI

Zero Downtime

Nery by Amitec, assures uninterrupted flow of critical business transactions, thus increases your level of availability.

Clients:

Potential interested parties: Integrators and MES systems' distributors, industrial plants: food, plastic, high tech, metal, pharmaceutical and others

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Nery Key Features

Nery **provides the ability to monitor, manage and maintain a site using a visual universal open platform.**
Nery **provides an on line detailed visual resolution of the entire production floor on one screen.**
Nery monitors all aspects of the production process, the system analyses and provides on-line alerts as to bottle necks, faults, deviations in production schedule, costs, delivery schedule and others. Thus improves profitability and cost savings.

Maximizes production line efficiency, improves product quality and savings on resources
Nery increases the production process efficiency on all its aspects, from the job order stage to the supply stage:

- Improvement of OEE by using a sophisticate BI module to assign the right, most efficient man-machine match for the task.
- Transparency of resource availability during the process using the option of viewing inventory status throughout the production process.
- Improve traceability by means of quality assurance management for products / job orders.

"Expert system" – an innovative approach for MES

Nery uses an innovative customer oriented approach. This "expert system" assists the users in their decision making process to achieve the best decision in real time.

- Makes real time recommendations as to technologic parameters (SPC) to improve production process.
- Presents KPIs of performance: OEE, efficiency and yields.

Advanced assessment and reporting tools

Nery provides the user with interactive tools to analyze the performance of one site or more. The analyzed information includes information pertained to the energy generation events monitoring or a reduction in turnouts.

Nery Scheduling technology – for supply chain availability

Nery Scheduling Module includes an advanced algorithm designed to plan and schedule production in accordance with the following criteria:

- Lead Time
- Equipment availability
- Technological parameters (color, temperatures, weight, others)

Interactive advance labor management

Nery assists in managing professional labor, by shortening the lag time when handling events, thus bring about general improvements in performance as well as savings of the organization's resources and a quicker return on time investment.

- Assigning the best available and most fit personnel to the job using a "drag and drop" method
- Generating automatic SMS messages to professional crew according to the type of events and its location.
- Locating workers and their location by a flick of a button.
- Monitoring and analyzing events response time.

Modular and highly adaptable system

- The system can be used as an over the counter product or as tailor made, adapted to the customer specific needs.
- The system is flexible and suitable for organizations of any size.

Main system characteristics

Smart Planning / Scheduling module.	V
Monitoring electricity and utilities consumptions.	V
Quality assurance and laboratory management.	V
Traceability of all production processes and invested resources.	V
SPC charts to monitor products and process characteristics.	V
Expert system that calculates and provides recommendations .	V
Downtime and halt events recording directly from machines (PLCs) or manually .	V
Automatic notification to relevant personnel via SMS and e-mail.	V
Labor management: including teams and shifts personal assignments.	V
Printing label marking batches of production.	V
Real-time OEE calculations and analysis.	V
Links to Documentation.	V
Online display of parameters yields and machine's status.	V
Vast variety of real-time and historic reports, in Gantt charts and graphs format.	V
Web interface that allows remote access to the system.	V
Fast implementation.	V
Multilingual.	

Connectivity to: ERP, PLC's, HMI's, Weights, RFID, Barcode and Vision systems.