SisTrade®
Software Consulting, S.A.

Sistrade® PRINT SCADA

Data Acquisition & Supervision

Sistrade® Print SCADA[1] is a module developed by SISTRADE in *web* environment with the objective of collecting data during the productive process with the least possible human intervention, in a quicker, more data reliable and less erroneous way. This module allows to control any production unit, anywhere in the world, in real-time.
The basic data collected is handled by the system allowing to obtain such information as: daily production, historic analysis, industrial costing analysis and other elements which are relevant for the production environment management.

The Sistrade® Print SCADA module is nothing more than a final process monitoring performed by the operator. It's a highly flexible module that allows to create a database with all the supervised points.
The data acquisition and control are constituted by intelligent equipment that handle analogical or digital data, received by sensors and sent to actuators. From this equipment, the most used one is PLC[2] (Programmable Logical Controller). The tools which are used are sensors and actuators which are directly placed in the process. Sensors are the translators that receive the environment physical changes and transform them into electric signals, and transmitting them to the I/O level (Input/Output).

In a scenery in which the customer implements an automatic data acquisition system (automation network) and an industrial terminals system (terminals network), he will be able to obtain data crossing between the data input from the operator and the data collected by the automaton, that is, one can know for each machine, which is the Job order in production, when it started, which employees are working at the machine, already produced quantity in real time, breakdowns, etc.

INDUSTRIAL DATA ACQUISITION IN INDUSTRIAL TERMINALS

The installation of such a system passes through the implementation of the application Sistrade® Print ITS – Industrial Terminals Supervision and through the installation of data collect terminals, by installing industrial terminals, thus recording with bar codes, the Job order code, performed operations, incorporated materials, machine identification, employee identification and also the elements for quality control.
An industrial terminals system can be working in an entire manufacturing stage, where each employee must identify himself through an optical bas code reader, or exclusively dedicated to only one employee. These data collect terminals are prepared and configured to be placed at any manufacturing stage.

[1] SCADA - Supervision Control and Data Acquisition
[2] PLC - Programmable Logic Controller

SCADA SOFTWARE FEATURES

:: Implementation of integrated systems of data acquisition

:: Networks of process automation

:: Control systems in industrial equipment

:: Data acquisition via industrial production terminals

:: Data registry via barcode reader

ERP | MIS
100% WEB
SQL Server

DATA ACQUISITION IN INDUSTRIAL AUTOMATION

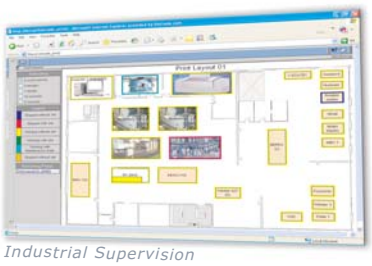
This module has as main objective to allow the gathering of information during the manufacturing process, in real time, through the automatic data acquisition from the machines. This way, the production registries are stored with the least human intervention, in a faster, less error-prone and more reliable way.
The implementation of a solution like this is by installing and configuring the Sistrade® Print SAI – Industrial Automation System, and by placing sensors in strategic places in the machine, linked to a central automat, SISTRADE can provide, in real time, valuable information for theoptimization of the procedures of the machine park.

INDUSTRIAL SUPERVISION

This module has as objective to view graphically the status of the production and to supervise all the production phases by gathering information. The basic information gathered is handled by the system, allowing one to obtain such information as: daily production, history analysis, cost analysis and other relevant elements to the management of the production environment.

RAW MATERIAL CONSUMPTION

:: Analysis in real time of the material consumption;
:: Article incorporation by work order;
:: At the end of the work order, records of raw materials consumed and respective dates;
:: Automatic consumption.


Industrial Supervision

SPEED HISTORY

:: Graphical visualization of the machine speed in real time;
:: Graphical consultation of history;
:: Shift analysis.

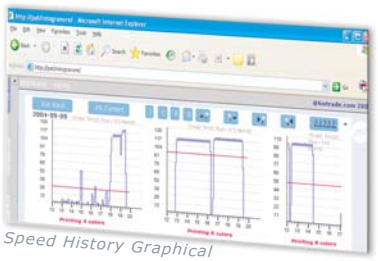
STOP REGISTRY

:: Automated stop registry and respective motives;
:: Analysis of productive vs. non-productive times.


Data Acquisition

PERFORMANCE

:: Performance by machine and fabrication phase;
:: Performance analysis;
:: Occupancy rates;
:: Productivity by work center;
:: Performance by shift.

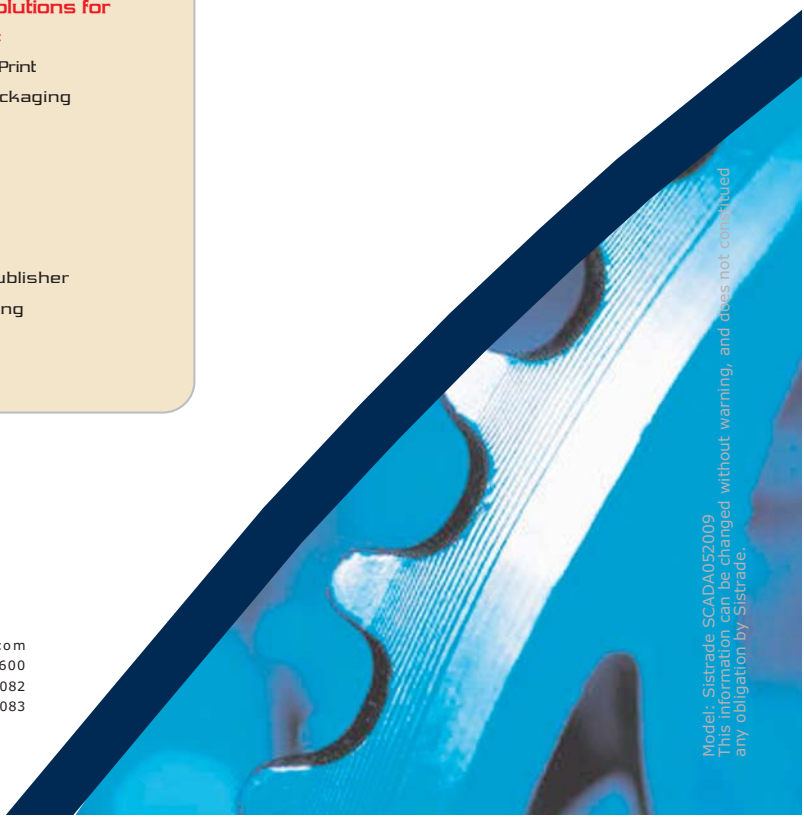

Speed History Graphical

Modules of ERP | MIS Sistrade® Print system:

:: Commercial Management & Estimating
:: CRM
:: Stocks & Purchases Managemet
:: Production Management
:: Scheduling - Production Planning
:: SCADA - Supervision & Data Acquisition
:: Balanced ScoreCards
:: E-business
:: Mobile Business
:: Quality Control
:: Equipment Maintenance
:: Electronic Invoicing
:: Banks Management
:: JDF - Job Definition Format

Sistrade® Solutions for industry of:

:: Commercial Print
:: Flexible Packaging
:: Boxes
:: Labels
:: Digital
:: Envelopes
:: Forms
:: Editorial/Publisher
:: Metalworking
:: Textile
:: Food



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