

# MAINTEX



## PRODUCT FOR MAINTENANCE WORK

Reduction of unplanned manufacturing downtime and maintenance costs  
Optimization of warehouse stock  
Improvement of work organization

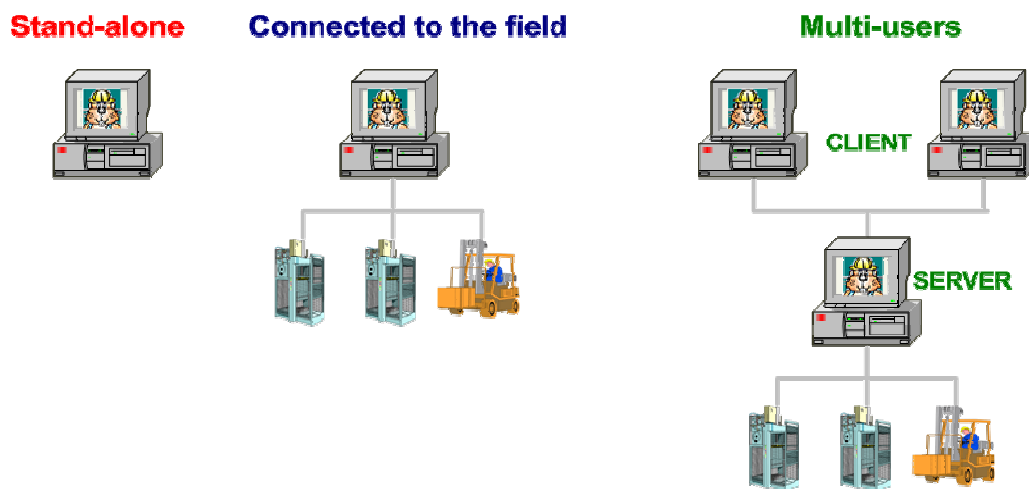
MAINTEX THE SOLUTION FOR PLANT MAINTENANCE

# MAINTEX

In today's business environment, manufacturers are faced with the challenge of a production made with existing machinery and equipment, while continuing to cut down costs. One of the most pervasive costs, that drags down productivity improvements, is unplanned equipment and manufacturing process downtime.

Maintenance activities may be easily managed using MAINTEX, one of the Automa's solutions for the factory.

MAINTEX is a user-friendly software which allows end-users to control efficiently the programmed, corrective and extraordinary maintenance. It can be integrated with SCADA systems and connected to the field also in a multi-users architecture.



- ADVANTAGES** :
- Reduction of machine downtime
  - Reduction of maintenance costs
  - Improvement of work organization
  - Optimization of warehouse stock
  - Improvement in plant production
- GOALS** :
- Building of a maintenance plan
  - Planning and managing of maintenance activities
  - Tracking of historic information
  - Monitoring of maintenance costs
- FEATURES** :
- User-friendly interface
  - Graphic display of maintenance status
  - Easy integration with SCADA systems
  - Easy integration with Microsoft Office programs
- FUNCTIONS** :
- Programming
  - Planning
  - Historical (Historic information recording)
  - Budgeting

## PROGRAMMING

Programming activities inform the system about the maintenance operations to be executed. It is necessary to fill in a specific programming card setting maintenance events and criteria. For each programming card is necessary to define:

- **Type of Intervention:** activities and procedure to execute
- **Resources:** operators and materials required
- **Maintenance Criteria:** there are four possible criteria to manage maintenance interventions:
  - solar calendar (on time)
  - on the value of a variable getting over a threshold (on limit)
  - on the value of counters present in the system (on count)
  - on request (on spot: i.e. inspection)

## PLANNING

Planning is the basic activity of the system. Tabular visualization of the maintenance plan (with configurable time period and repetitions) is provided; this is obtained from programming cards settings. The state of each intervention is shown using a graphical representation. Information provided are linked to activities, operators and materials cards. When an event is acknowledged, an automatic procedure for the creation of the intervention card is started.

## HISTORICAL

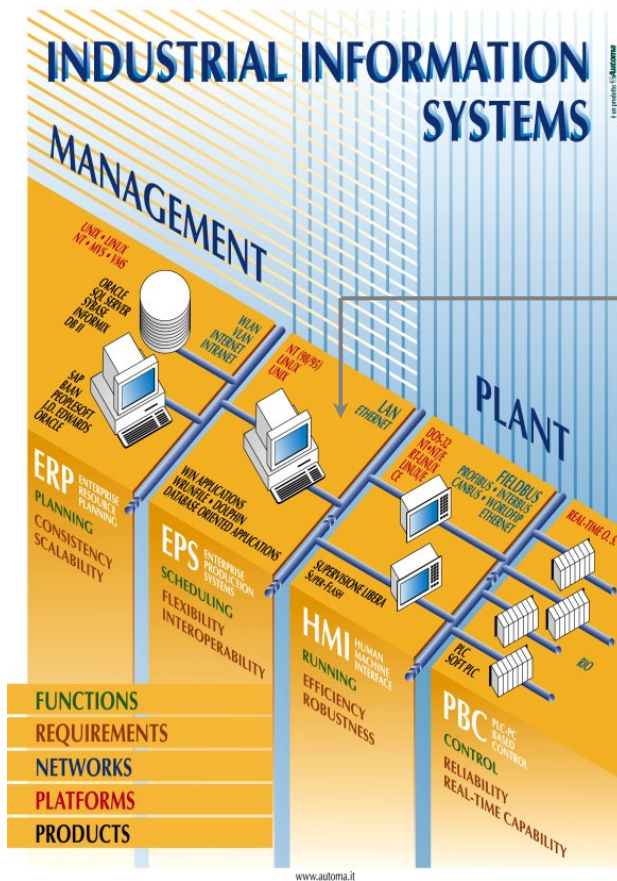
All the information about maintenance interventions are stored: execution date and time, eventual plant downtime, used materials (type and quantity), operators (name and working hours). If the intervention was not planned it is possible inserting the following information by choosing from a predefined set of choices: the problem that generated the maintenance intervention, its cause and the operators executed for solving it.

This option allows a deeper analysis of extraordinary interventions; in this way if the problem repeatedly occurs, it can become a part of the maintenance plan.

## BUDGETING

The function compares the estimated and the real costs for interventions.

Also the costs of the extraordinary interventions are managed, so it is possible to analyze the real running cost of the plant along the year.



**MAINTEX**

IN INDUSTRIAL INFORMATION SYSTEMS

<b>TECHNICAL DATA</b>	<p>: Operating System Database</p> <p>Software accessories required</p> <p>Communication Tools Simple integration Usable in a network Client/Server Multi-users Multilingual Development environment PC Requirements</p> <p>Network requirements</p>	<p>Windows 9x/2K/XP/7 - Linux/Wine Microsoft Access 2000, Oracle 8.1, MySQL Server 5.1 e SQL Server 2005 Microsoft Word 2000, Adobe Reader 9 (only for attached documents) DOLPHIN by Automa SUPER-FLASH by Automa YES NO YES YES Microsoft Visual Basic 6.0 Pentium 1400 Ghz, 256MB RAM, HD 40 GB, Screen resolution 1024 x 768, CD ROM, Ethernet Board 100 Mbit, Floppy, Mouse Keyboard, Monitor TCP/IP protocol, Ethernet</p>
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