



Sistrade Software

# Equipment Maintenance

MIS | ERP



# GET TO KNOW SISTRADE

SISTRADE -Software Consulting, S.A. is an international company specialized in software development and consulting services for different activity sectors, namely for industry and services. The main goal of SISTRADE is to supply the market with the best information systems tools to create value in the companies, improving and optimizing their performance in all their processes.

Sistrade software is a configurable solution and the modules can be adapted to specific needs of each company, avoiding the implementation of a package which is too generic and will not be used at 100% of its capacity.

We focus all our activity on quality and improvement, cultivating research and innovation in every action and we are committed to the best information security practices. Our Management System demonstrates our involvement and commitment, in addition to being certified by the normative references NP EN ISO 9001:2015 and NP4457:2007.

## Technology

All Sistrade software solutions are supported by Microsoft's SQL Server database. This is a relational database that optimises IT environments, as it provides a more secure and reliable platform for analysis and data management. SQL Server delivers fundamental advances in information repository technology for collaborative users adding value to the organisations.

## Markets

Printing & Packaging  
Industry Labels & Flexible Packaging  
Industry Security  
Printing Industry  
Metalworking Industry  
Plastic Extrusion Industry  
Publishing Industry  
Wire and Cable Industry  
Screen Printing & Textile  
Food Industry  
Service Sector  
Commercial Sector



## Key Points



**+ 5000 Users**



**+ 30 Countries**



**4 Continents**



**Industry 4.0**



**Detailed Reports**



**SQL Server**



**Cloud Based**



**Intuitive Interface**



**Multidevice**



**Flexible and adaptable**



**+ 15 Languages**



**Business Intelligence**

# Sistrade Software - Equipment Maintenance



Currently, asset management requires special attention from managers since investments in resources are quite significant and their inoperability results in monetary losses that can be critical.

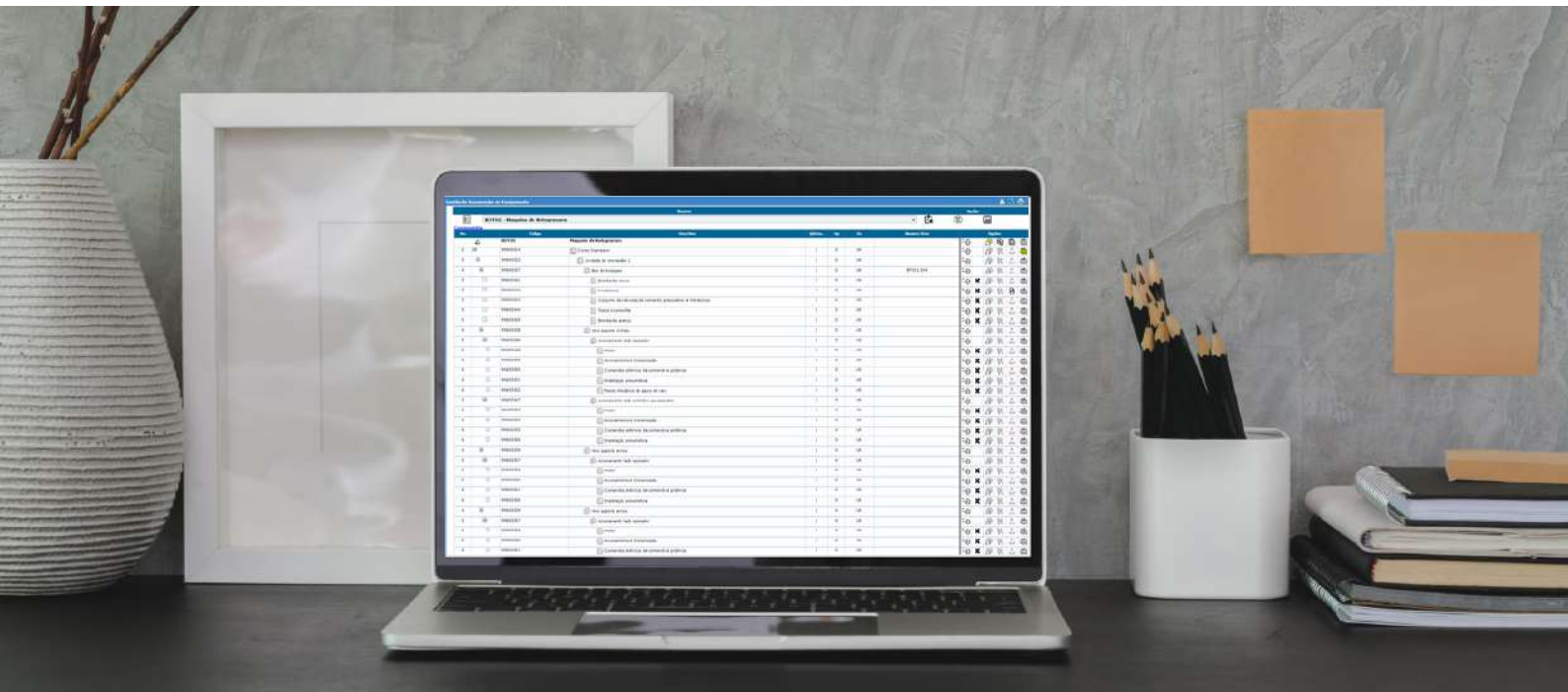
With the Sistrade Equipment Maintenance Management software, the organization now has a maintenance control tool, applicable to infrastructures, equipment or components, from the definition of a maintenance plan, preventive and corrective maintenance records to the release of maintenance orders.

## Main Features

- Bill of Components/Equipment tree
- Preventive and corrective Maintenance
- Incidents and breakdowns Registration
- Automatic request Maintenances
- Integration with Scheduling
- Subcontracting
- Traceability of action times
- Traceability of consumables
- Maintenance analysis
- Possibility of multiple alerts (e.g. alerts for response times)
- Competences Management



## Equipment Tree



Inherent to the increasing complexity of productive equipment, it is more and more crucial that maintenance becomes almost surgical, thus increasing the effectiveness of human resources associated to maintenance. With this module it is possible to move from maintenance planning as a block, to a number of selected components, according to the needs of each of these "sub-equipments" or components.

In response to this requirement, SISTRADE developed its software based on an equipment tree/bill of components, where the user can easily access the whole structure of each resource and can elaborate maintenance plans, directed to each component or to the equipment in its entirety.

The integration of the Stocks and Purchasing, Planning and Quality Control modules allows the management of the company's assets on a single platform

## Subcontracting

The outsourcing of an activity can present an impact on the management of the company's assets, so the company must assess the risks associated with the outsourcing of activities. To meet this need, the Sistrade software allows the control of subcontracted processes and activities.

When defining the intervention request, the supplier that will perform the tasks involved is indicated, allowing the organization to control the subcontracted maintenance.

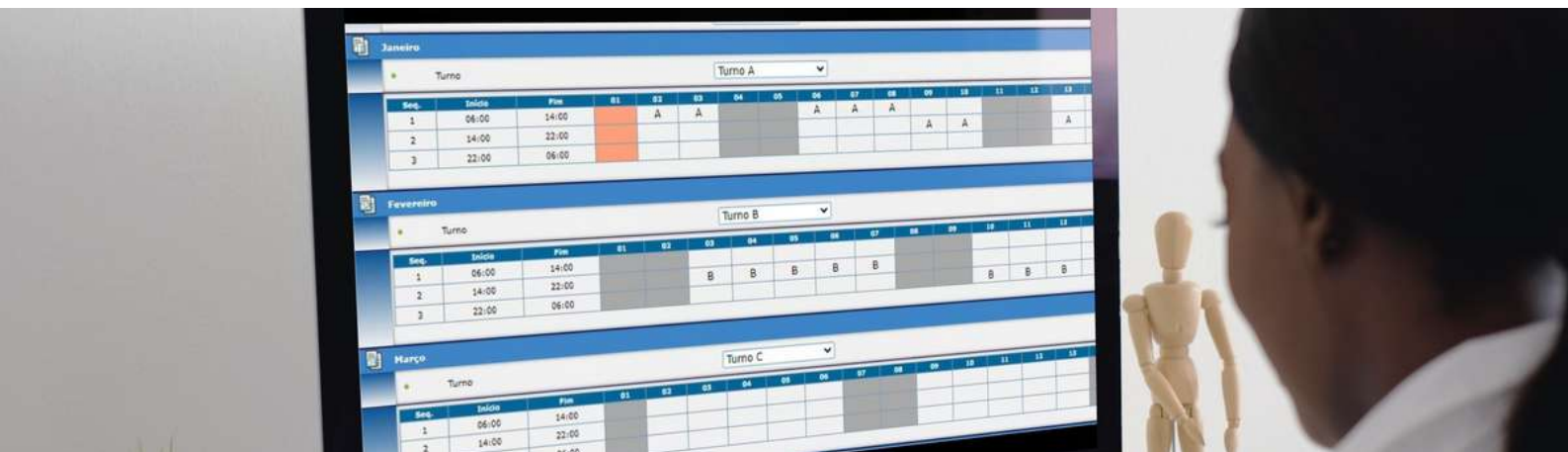
# Sistrade Software - Equipment Maintenance

## Preventive Maintenance

The organization should establish processes and actions to prevent possible malfunctions and decrease failures in the performance of its assets, allowing the assessment of the need for preventive action.

In this sense, the Sistrade software allows maintenance and inspection plans to be defined, with configurable intervals (by periods, kilometres covered, number of hours of use, among others) and may have associated alerts that are sent, for example, to an e-mail address:

- Predicted times and components for the maintenance of an equipment
- Group Maintenance
- Types of associated operations



## Corrective Maintenance

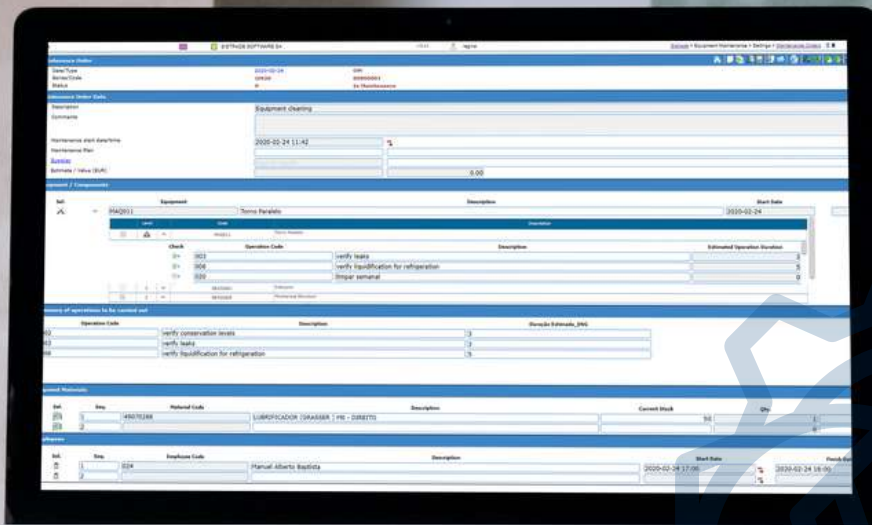
In the event of a nonconformity or incident in the asset portfolio, these must be entered into the software, generating a corrective maintenance request. All the information gathered about the occurrence is attached to each intervention request, thus facilitating the resolution of the problem.

The organization shall retain documented information as evidence of:

- Nature of the nonconformities or incident and any subsequent actions taken
- Results of any corrective action
- Periods of associated actions: request response time, analysis time, intervention time and validation time
- Components of stock used
- Equipment Maintenance Historic

The Sistrade software allows incidents, breakdowns and maintenance requests to be recorded in a simple way, through interfaces adapted to any device, such as Smartphones and Tablets

## Maintenance Orders



Preventive maintenance plans and corrective maintenance requests, after being processed and validated by a user, generate a maintenance order.

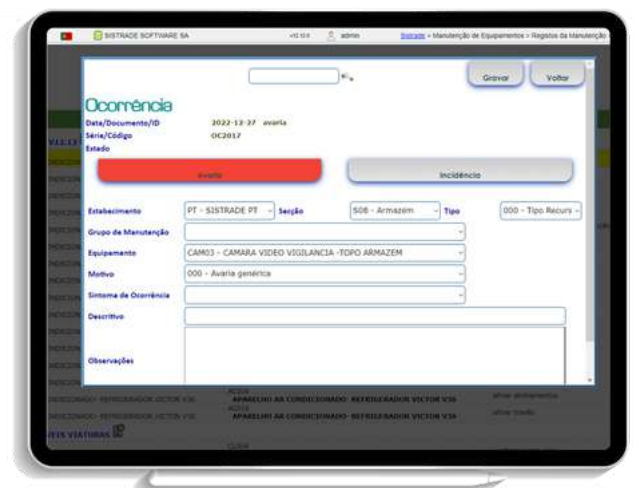
When preparing a maintenance order, the Sistrade software allows all the information associated with its execution to be defined. This information includes data regarding the equipment, material needed for the intervention, description of the occurrence, documentation about the maintenance to be carried out, employees involved, among others.

Integration with the Scheduling functionality automatically gives a time slot for maintenance orders to be executed

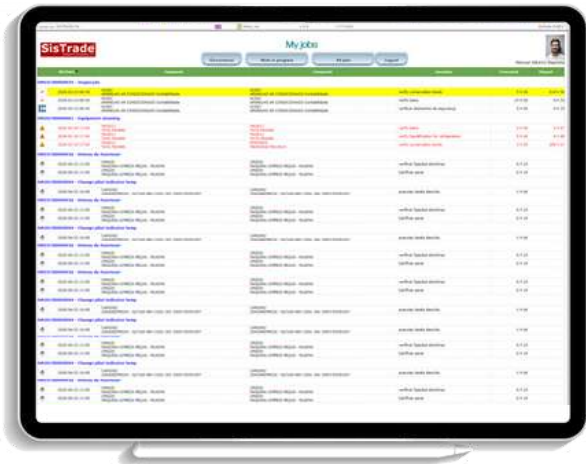
## Register of Occurrences

Through the Shop Floor Control, the system allows the creation of breakdowns and incidents in a pre-parameterised and simple way, where the employee will leave the relevant information for the maintenance team to act on.

This occurrence generation screen is available to the employees assigned to the equipment, or to the maintenance team if it needs to generate a new one.



# Sistrade Software - Equipment Maintenance



## Register of Interventions

Through the Shop Floor Control, the system permanently monitors maintenance.

To do so, when the employee starts on a maintenance order, aggregating the information using, for example, a tablet or a barcode reader. In the same way, all the materials spent on the intervention can also be accounted for.

The system allows cross-sectional information to be obtained on the status of ongoing maintenance

## Efficient Team Management

Equipment Maintenance by Sistrade software allows the allocation of human resources to tasks. This way the system gives the possibility of distributing the team according to the maintenance defined for that period.

However, elements of the team assigned to corrective maintenance, which in case of there isn't any, it may be associated with workshop maintenance orders, such as, for example, reconditioning of equipment and its components.

This management allows a better identification and filling of technical gaps in the teams, thus guaranteeing that the work is carried out with the greatest competence, besides invalidating dead periods by taking more from the resources and their skills.

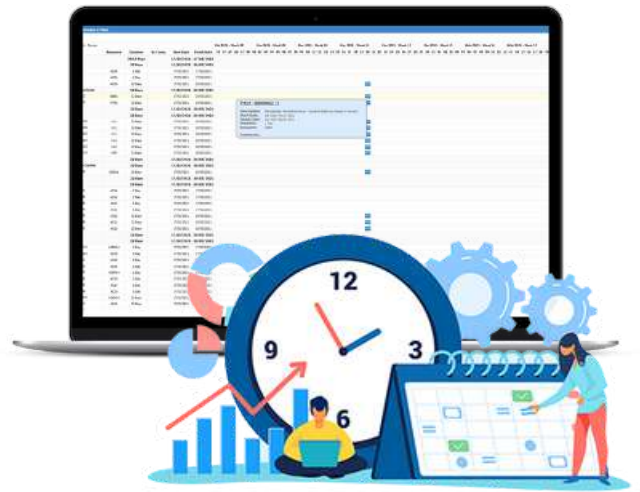




## Integration with Scheduling

For industrial organizations, where Industrial Maintenance is a critical process, the Sistrade software includes a Gantt diagram to facilitate the planning of all tasks involved in maintenance.

The user can also cross-reference this diagram with the production planning diagram to analyse the data between production and maintenance. In this way, the managers involved will have up-to-date information on all the operations to be carried out on each piece of equipment.



## Stock and Spare Parts Management

Using the Stock and Spare Parts Management module, the user can manage the inputs and outputs of the spare parts warehouse, as well as define the components/parts tree for each of the resources and carry out the incorporation of materials in a specific maintenance.

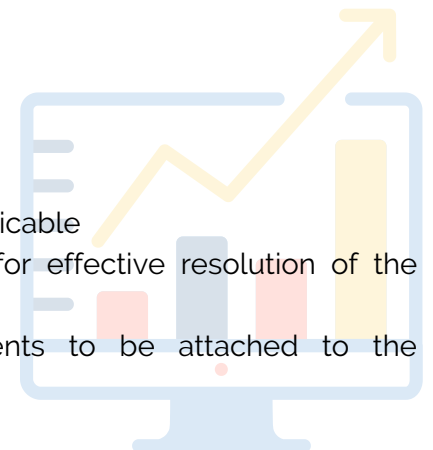
Integration with various features of the Sistrade software enables the collection of data from equipment, operations planning and process quality control, resulting in an increase in the company's efficiency and productivity

## Documentary Information

The asset management system should include:

- Documented information required by Standards
- Documented information for legal and regulatory requirements if applicable
- Information documented by the organization as being necessary for effective resolution of the problem

In this sense, the Sistrade software allows all types of documents to be attached to the asset/equipment file, the plan and the maintenance order.



### ANALYSIS DASHBOARDS:

- Maintenance hours per machine
- Maintenance hours
- Identification of problematic equipment
- Occurrences by section
- Maintenance actual/proposed
- Cost of maintenance per machine
- Weekly maintenance summary
- Technical dashboard
- Equipment register
- List of needs
- Maintenance costs
- Maintenance historic
- Breakdown Reports

# Sistrade Software

## Solutions

### Commercial Management & Estimating

Estimating  
Orders  
Expedition  
Invoicing  
CRM

### Stocks & Purchases Management

MRP  
Purchase  
Stock Management  
Supplier Management  
WMS

### Production Management

Scheduling  
Data Collection  
Industrial Cost  
Job order management

### Administrative & Financial

Accounting  
Treasury  
Fixed Assets  
Human Resources  
Employee Portal

### Other characteristics

Equipment Maintenance  
Quality Control  
Ecoefficiencies  
Energy Management  
RDI Management

Business Intelligence  
Dashboards  
Report Generator  
Web2Print  
Balanced Scorecard

## Sistrade Software Users

The Sistrade software is used by thousands of users, in more than 30 countries in 4 continents. Meet some of the SISTRADE clients that use the Equipment Maintenance Module.



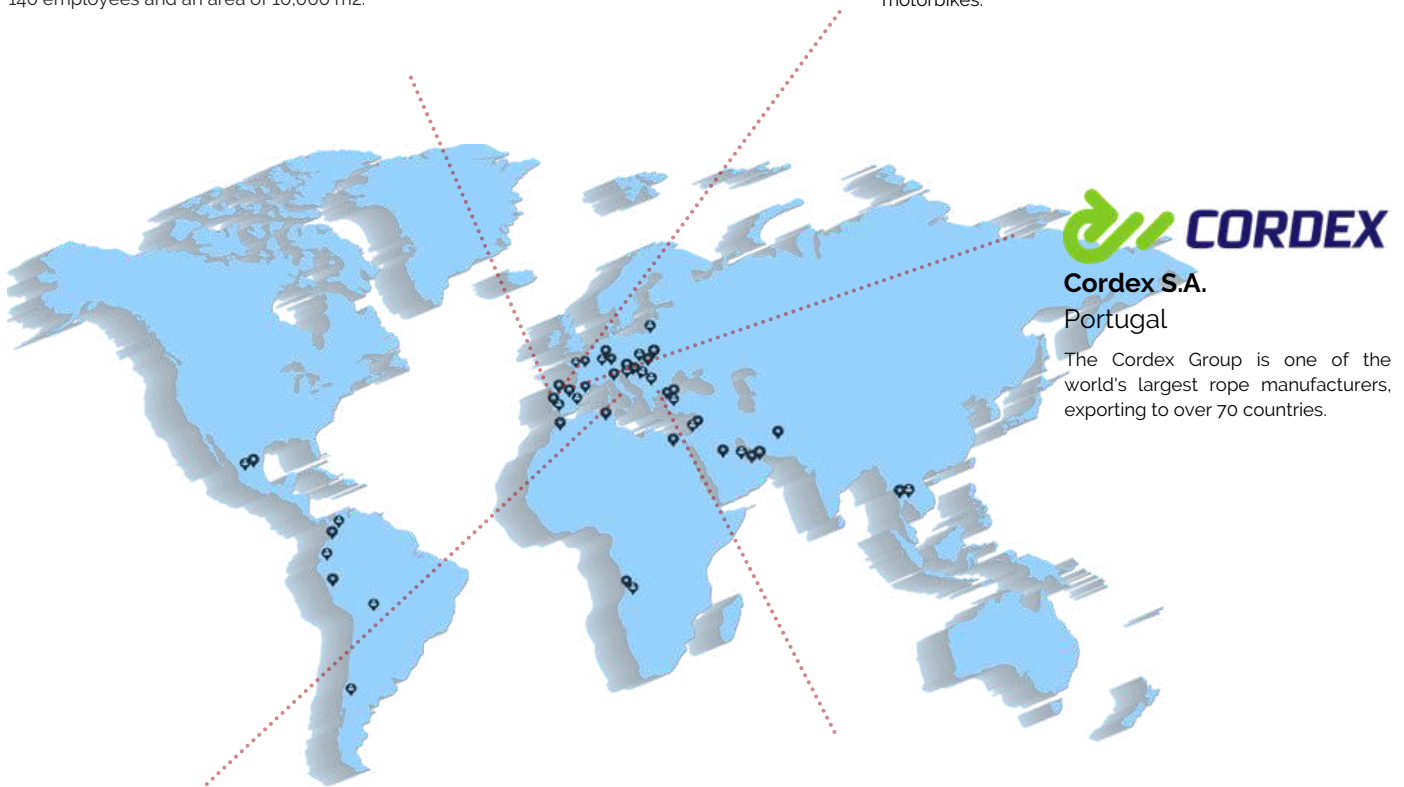
**Olegário Fernandes**  
Portugal

Olegário Fernandes is a printing company that produces cardboard boxes, self-adhesive labels and paper and film labels. The company was created in 1922 and has since grown to become a company with 140 employees and an area of 10,000 m2.



**MIRANDA & IRMÃO - Industrias, LDA**  
Portugal

MIRANDA & IRMÃO, LDA is a company with more than 70 years of experience that mainly produces components and solutions for bicycles and motorbikes.



**Cordex S.A.**  
Portugal

The Cordex Group is one of the world's largest rope manufacturers, exporting to over 70 countries.

**MACA S.R.L.**  
Italy



MACA S.R.L. is a strong reference in Italy, since 2001 developing and producing quality flexible packaging in an innovative way for the food, beverage, pharmaceutical, home and personal care industries, with infinite customization possibilities and a strong focus on eco-sustainability.

**SENTEZ EMBALAJ**  
Turkey



The Sentez Group uses the Sistrade software that allows the integrated management of all departments, from complex product planning (packaging, flexible packaging), invoicing, purchasing, stock management, manufacturing order management, data acquisition from production and accounting.



powered by **Sistrade**

## Porto - Sede

Travessa da Prelada, 511  
4250-380 Porto - Portugal  
inov@sistrade.com

## Madrid

Parque Empresarial La Moraleja  
Avenida de Europa, 19 3º A  
28108 Madrid - Spain  
madrid@sistrade.com

## Ljubljana

Rozna dolina, Cesta II/29  
1000 Ljubljana - Slovenia  
ljubljana@sistrade.com

## Paris

39 rue du Mûrier (BP 125)  
37540 Saint-Cyr-sur-Loire - France  
paris@sistrade.com

## Warsaw

Al. Niepodległości, 69 - 7º  
02-626 Warsaw - Poland  
warsaw@sistrade.com

## Istanbul

Dikilitaş Hakkı Yeten Cad. Sel. Plaza, 10/C  
Kat:6 Fulya 34349 Besiktas - Turkey  
istanbul@sistrade.com

