SisTrade®
Software Consulting, S.A.

Sistrade Software

Scheduling

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 colaborative 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 - Scheduling

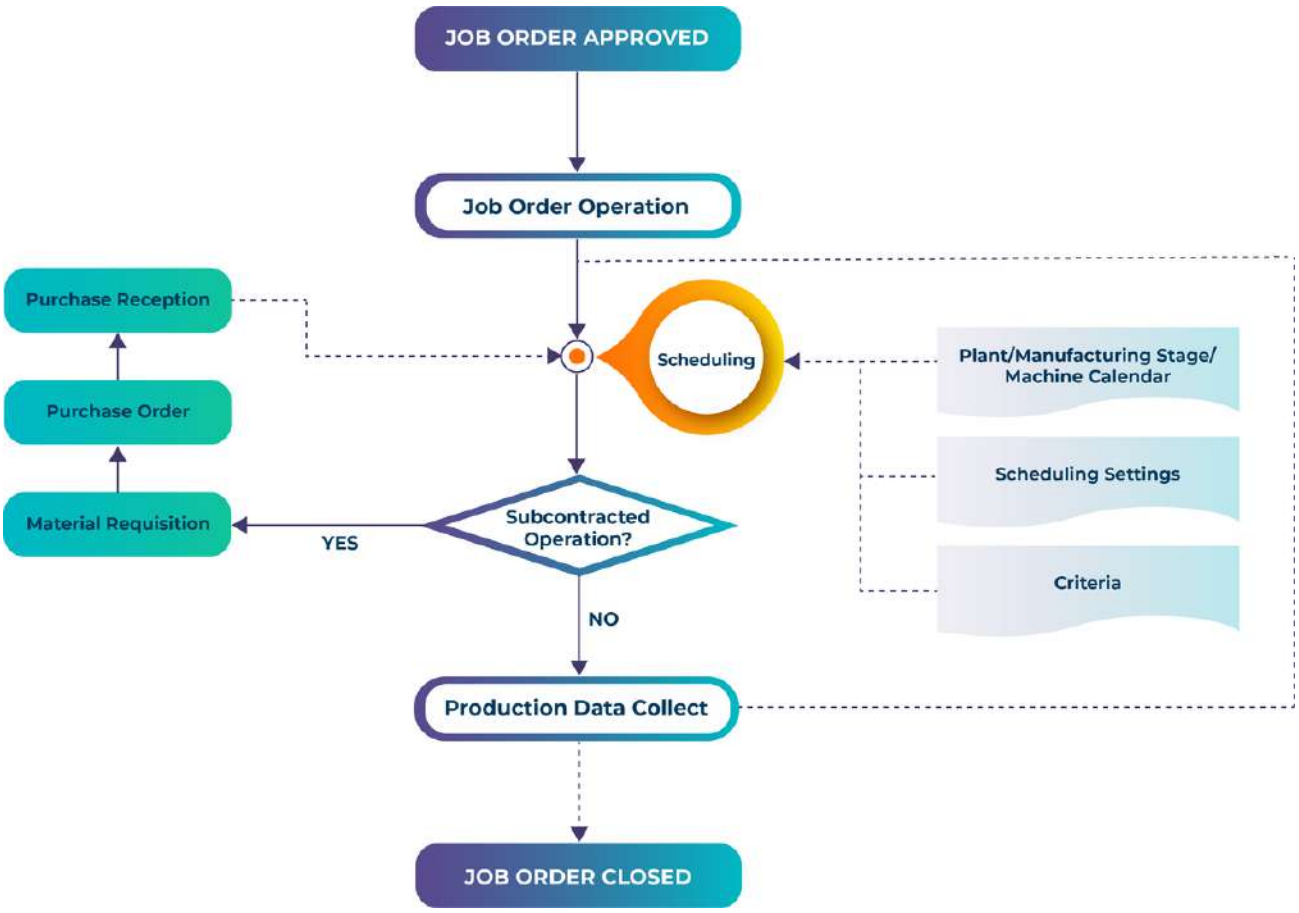
Production planning is fundamental for a company as it involves the allocation of raw materials, resources, and processes, namely operations, contributing to the effective and efficient production of products within the established time frame, balancing production needs with available resources in an economic manner.

For this reason, it is fundamental that the planning activity is helped by a decision support system in production planning and not by an automatic planning tool. Thus, the concept of dynamic planning emerges, an interactive tool that allows to respond to changes, anticipate problems and make accurate decisions in a timely manner.

Main Features

- Programming assistance manufacturing orders
- Planning of operations in Gantt chart or tabular format
- Programming assisted by employees
- Analysis of loads and availability per resource/machine
- Multi-user, multi-factory or section planning
- Creation and simulation of planning scenarios
- Subcontracting of specific activities
- Division of work in progress
- Synchronization with production data collection
- Integration with stock management and equipment maintenance
- Productivity, attendance, and employee control reports

Planning Workflow

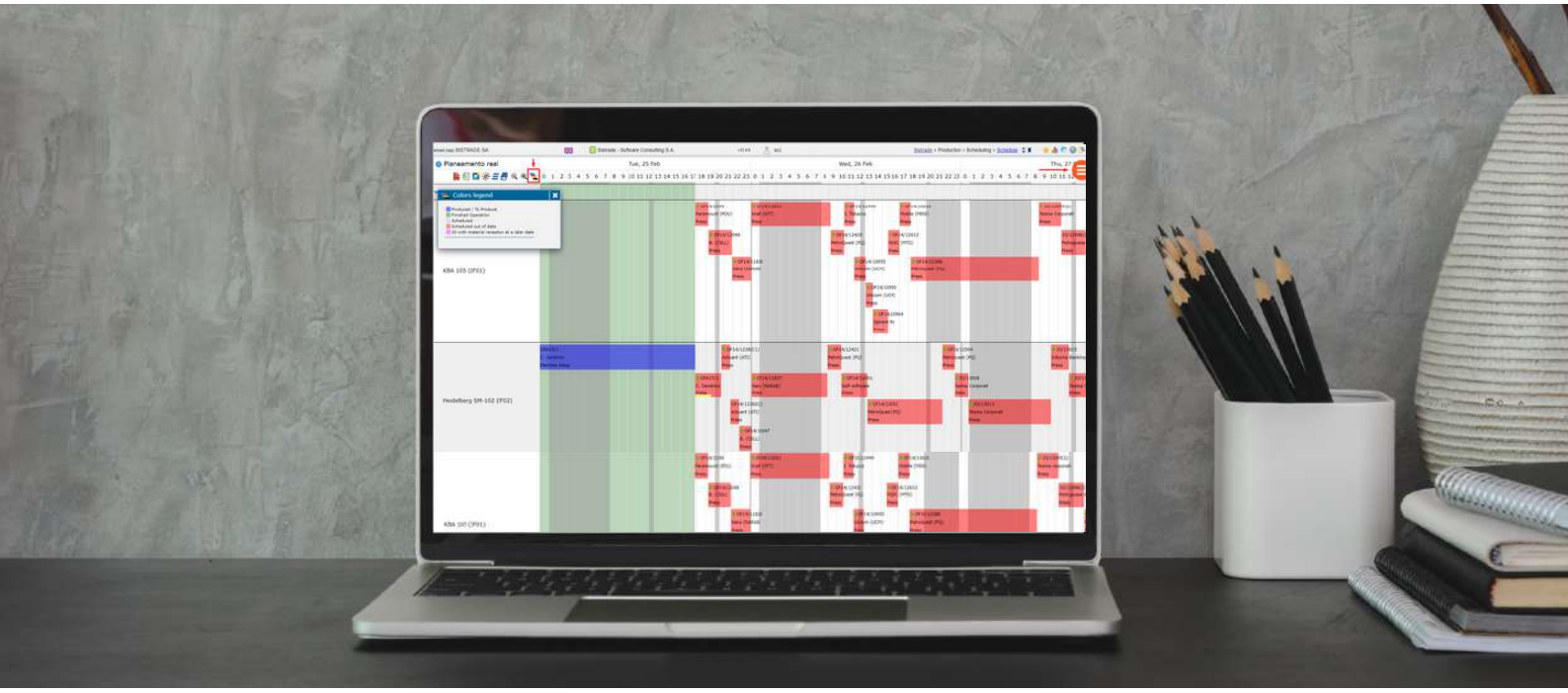


The main step in the planning flow is the approval of a manufacturing order, i.e. the indication that it is ready to be planned and produced. From that moment on, the production order can be inserted in the planning either manually or automatically. In the following stages, optimizations to the planning take place, according to the various tools provided by the Sistrade software, for subsequent sending of the manufacturing order for production.

It is important to note that, as part of an integrated ERP system, before a manufacturing order reaches the planning it already considers several details and restrictions, such as, for example, the preparation and production durations of each operation.

Sistrade Software - Scheduling

Gantt Chart

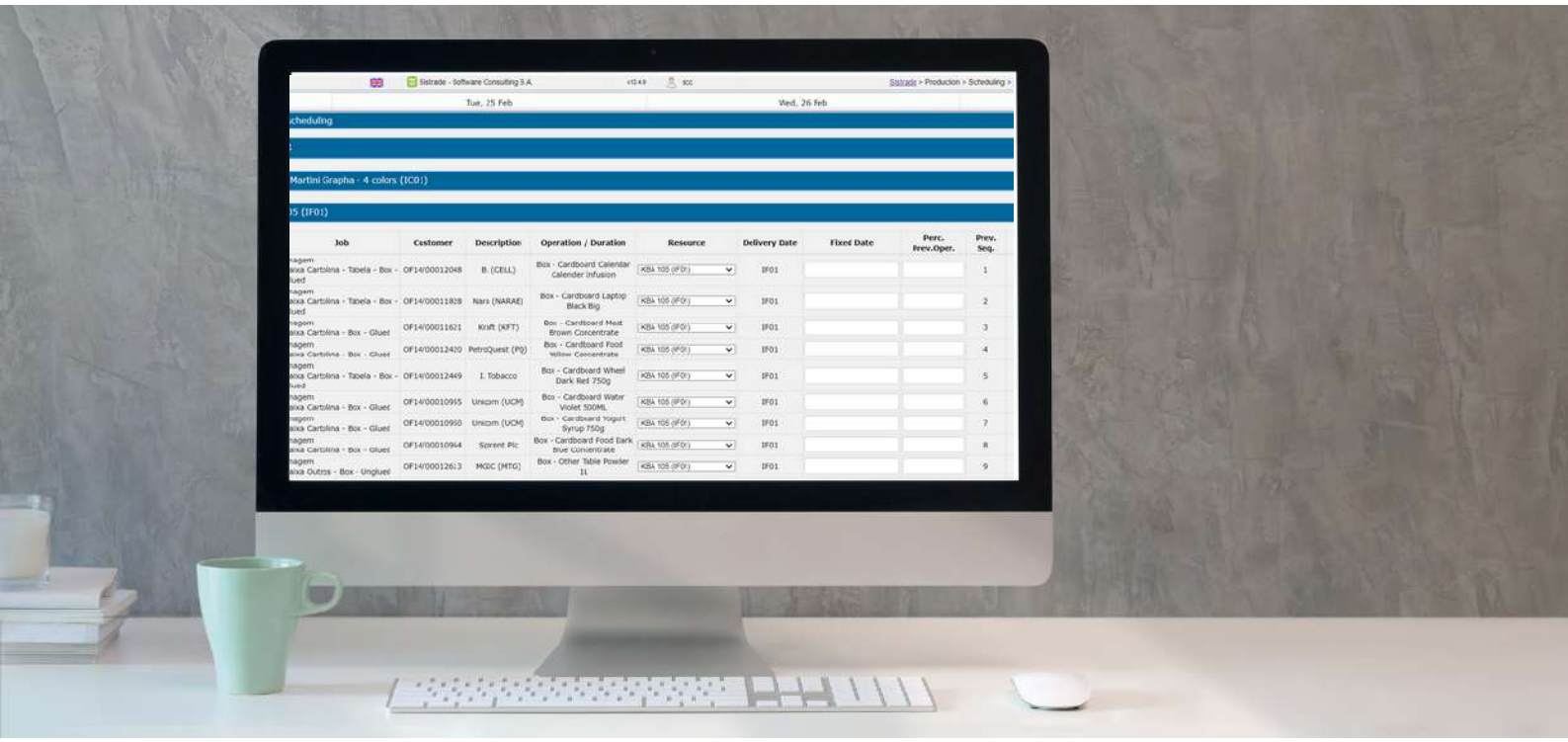


Sistrade Scheduling software is based on a dynamic Gantt diagram and is in constant communication with the shop floor. For these reasons, all the management and manipulation of information relating to manufacturing orders is fast, simple and in real time.

Focusing on better production co-ordination and quick response to unforeseen events, the diagram incorporates a colour legend to alert the user to the different status of the manufacturing order, e.g. produced, on schedule, behind schedule.

The Sistrade software allows manual or automatic inputs of manufacturing orders, as well as their cancellation or replanning

Tabular Planning

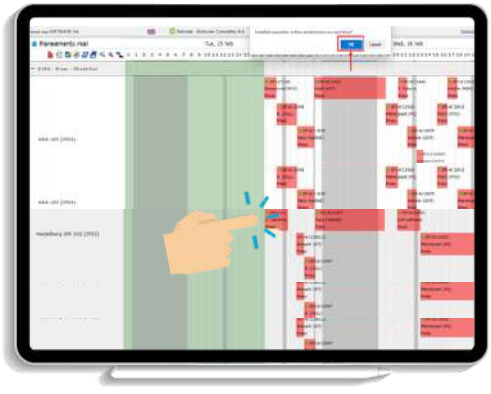


The tabular planning allows the configuration of the production in a table format, where all the information presented is configurable, providing the user with all the necessary information to support decision making.

As with Gantt, work order operations can be altered and moved around using Drag & Drop functionality, simplifying the operations planning process.

Drag & Drop

Drag & Drop functionality allows you to adjust the duration of an operation or fix an operation to a certain date, or machine, making the planning process much quicker and more intuitive.



To promote a better resource occupancy rate, the system can automatically decide on which alternative machine the operation should be planned.

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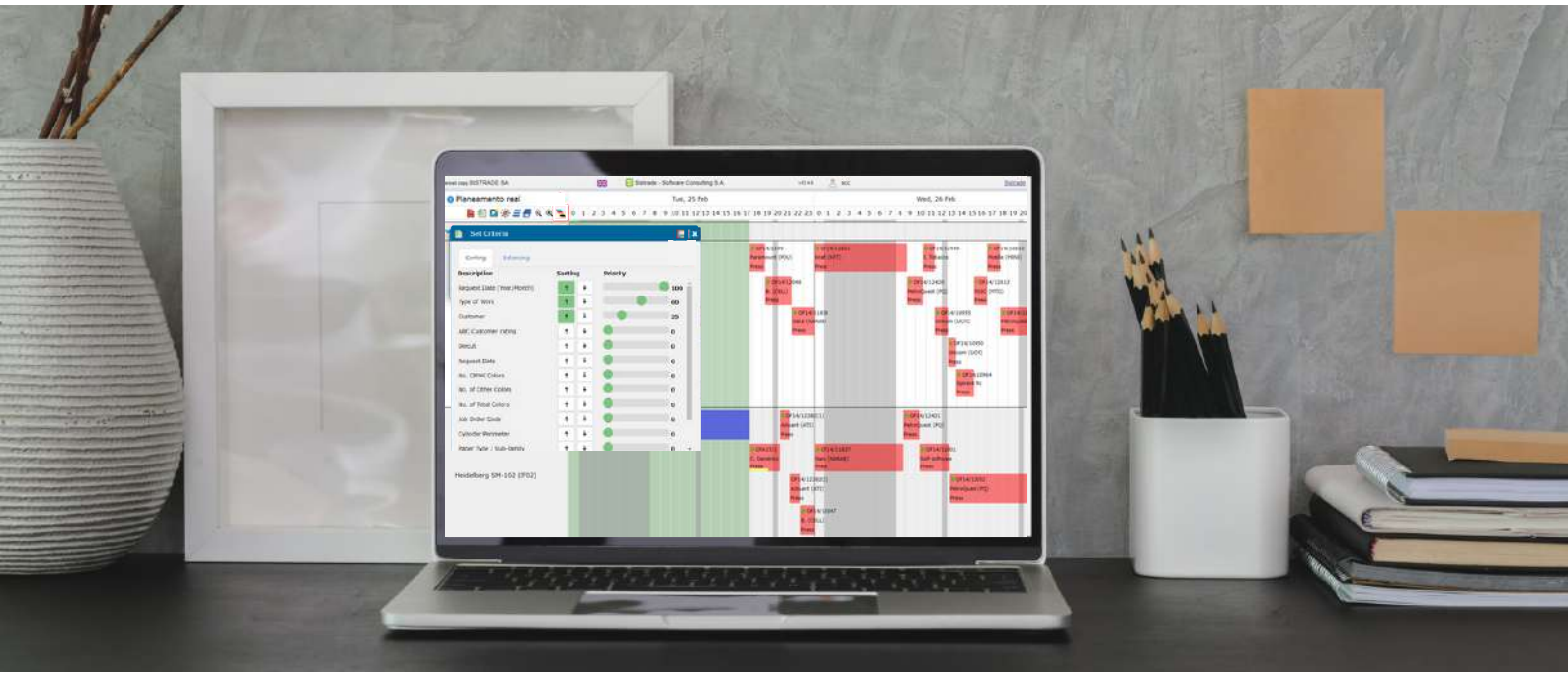
Planning Criteria



With this tool it is possible to define priority planning criteria, according to the needs of each company, allowing different scenarios to be created and manipulated.

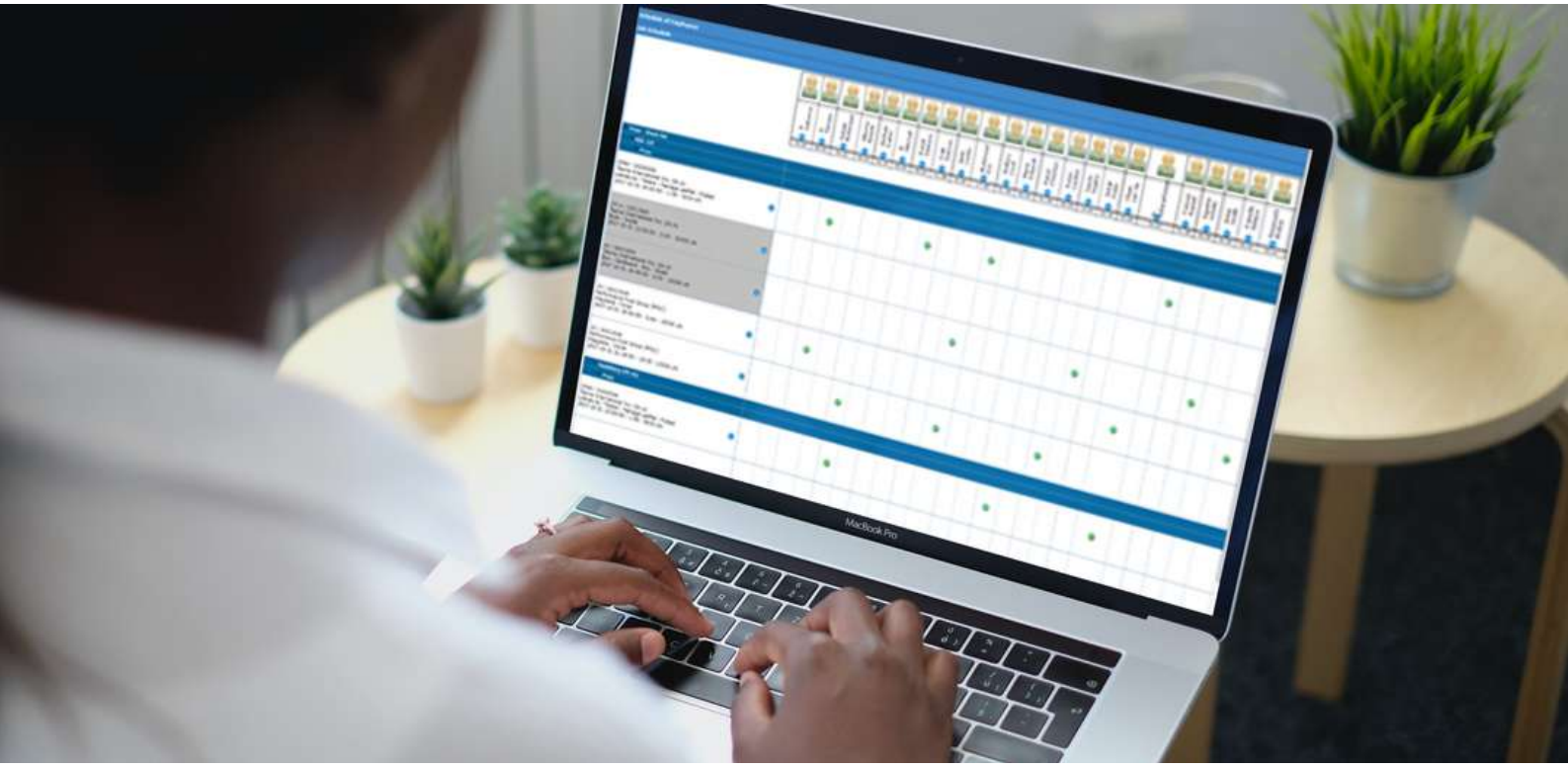
These planning criteria can vary between the commercial perspective (such as the customer's ABC rating and delivery date) and the process perspective (such as raw material type, tool type or equipment availability). It is also possible to block jobs for certain resources, so that automatic recalculation does not affect specific jobs.

In an automated manner, Sistrade software determines the sequence of operations according to selected criteria, reducing the time and cost associated with production planning, making the process more expedite and simpler for the planner, reducing costs inherent to the complexity of manual planning.

There are two types of criteria:

- Sorting criteria that define the sequence of manufacturing orders and their operations
- Balancing criteria that allow operations using the same criteria to be grouped together

Activity Planning per Employee



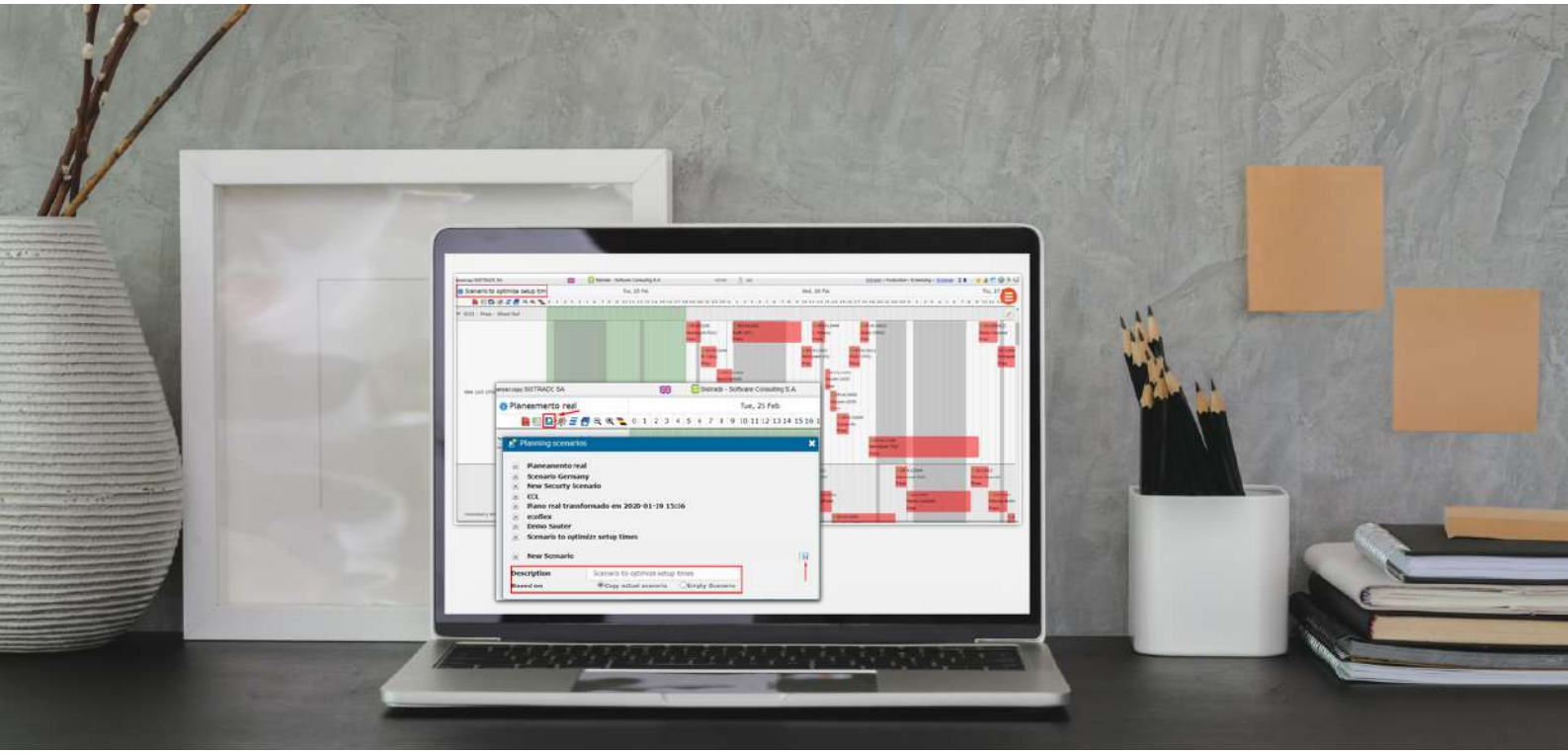
The Employee Planning allows to allocate, in an easy and intuitive way, the execution of a certain planned operation of the manufacturing order to different teams of employees. Thus, planning support through this more detailed aspect (fine planning) becomes truly crucial for the management and organization of daily work.

By assigning the operation to an employee or team it is possible to define the quantity to be produced, insert a comment for each task to be carried out, define daily observations so that all the relevant information for the production manager is documented.

The Sistrade software also provides analysis tools, such as the number of employees required to meet the current planning

Sistrade Software - Scheduling

Planning Scenarios



The Sistrade software presents itself as a decision support tool, based on the maximization of factory productivity. This functionality allows the planner to test production variations and optimizations, in order to assess which scenario has a higher performance, through a set of criteria, such as: % overdue manufacturing orders, % machine occupancy, and productive and setup times.

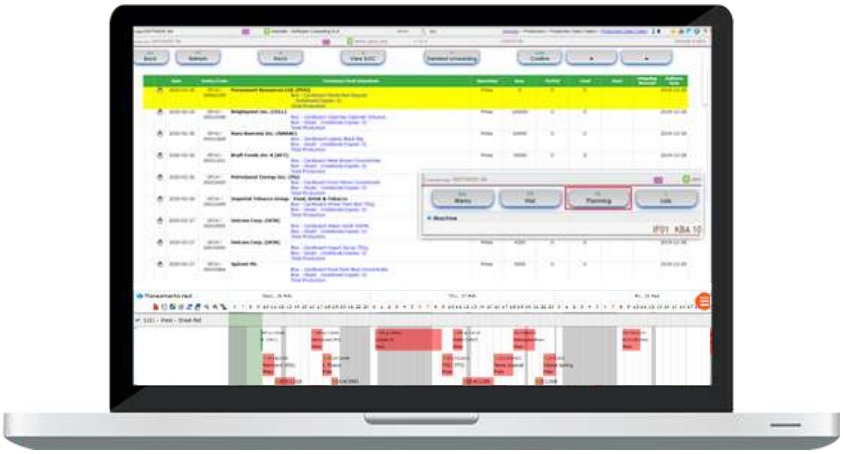
The simulation of the planning scenarios does not compromise the actual production on the shop floor since any changes will only be made to the actual planning as soon as the user wishes and authorizes them. If the planning optimizations are accepted, the user must proceed with the recalculation of the planning where the changes will be applied automatically. This optimized production planning process allows you to anticipate and act earlier and more effectively.

The Sistrade software allows different scenarios to be compared using indicators such as: % of back orders of the manufacturing order, % of occupancy of the machines and the downtime of the machines

Dynamic Planning

This is a dynamic programming tool, since it is constantly fed by information, such as production starts and ends recorded in the collection or Shop Floor Control (SFC), being that this information results from a wireless terminal or tablet with internet connection. To make planning less susceptible to human error, the Sistrade Data Aquisition System (DAS) provides information, production data and production status of the equipment in real time to the platform directly from the production equipment, thus ensuring greater accuracy in the planned times.

This dynamic interconnection with the SFC is supported in the definitions of alternative resources per resource, thus ensuring that, when production control situations do not follow the sequence and machines defined by planning, planning is in charge of dynamically matching planning and production.



Load Chart

The load graph is presented in three-dimensional format, allowing the total capacity of one or more resources in the selected period to be analyzed, taking into account their capacity, the percentage in use, by equipment or by manufacturing phase.

With this tool it is possible to have a visual perception of how much a piece of equipment produces, and whether it is close to its maximum capacity or under-performing. Through this functionality it is also possible to assess production bottlenecks and adjust production to a higher level of productivity, with alternative production routes or other functional scenarios.

Sistrade Software - Scheduling

Management and Control of Delivery Dates

To guarantee an effective management of delivery dates, the Sistrade software planning tool provides an interface for the management and control of delivery dates. The purpose of this functionality is, on the one hand, to ensure that the planning is respected and, on the other hand, to allow orders delivery dates to be modified and managed directly from the planning.

Since planning is a dynamic tool, the production end dates can be changed, considering the case of equipment breakdown. In this way it is possible to provide production dates with greater accuracy.

Multi-user planning

This functionality contributes to the decentralization of production planning by allowing several users to plan operations. The system allows the definition of different levels or permissions for different users, thus avoiding overlaps in the planning. To this end, the system identifies the moment in which a user performs the recalculation or changes to the planning and prevents the other users from making changes to it.

Multi-factory planning

The Multi-factory functionality allows separate planning by factory, i.e. companies with more than one factory being possible to plan manufacturing orders separately for each factory unit. This functionality allows each plant manager to plan the other plants separately, controlling their production individually, but taking advantage of being interconnected with the other modules of the Sistrade software.

Dashboards

The importance of continuous improvement for companies is a question of sustainability and planning is no exception. Regarding planning, the Sistrade software solution provides reports and dashboards for data analysis, where it becomes possible to verify "Lessons learned" allowing the planner to make his process more efficient and effective.

One example is the comparison chart of the planned versus actual planning and the data collected in production. In this way, managers can get an overview of what is happening in production and find ways to improve planning.

All data is presented through a high usability interface, allowing the analysis of relevant information

Sistrade Software

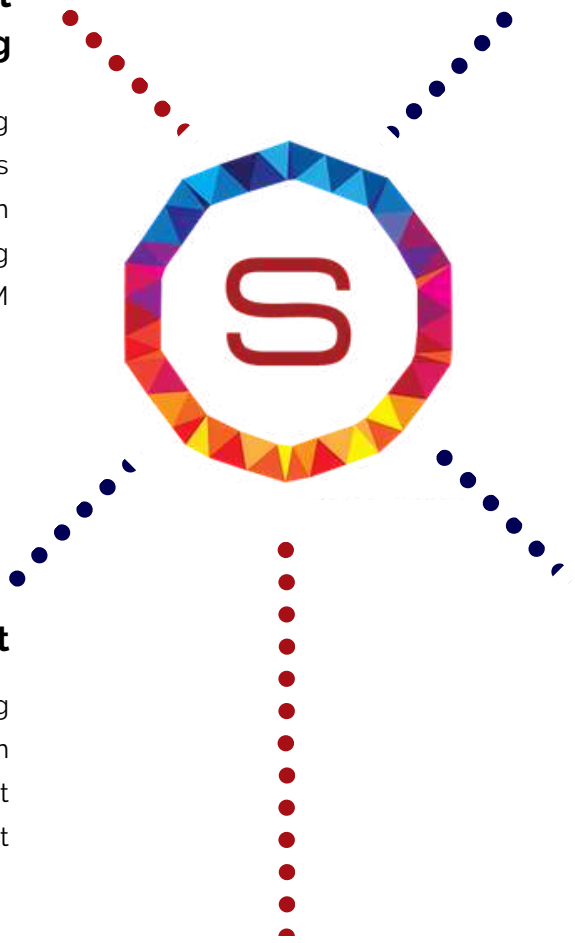
Solutions

Commercial Management & Estimating

Estimating
Orders
Expedition
Invoicing
CRM

Stocks & Purchases Management

MRP
Purshase
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

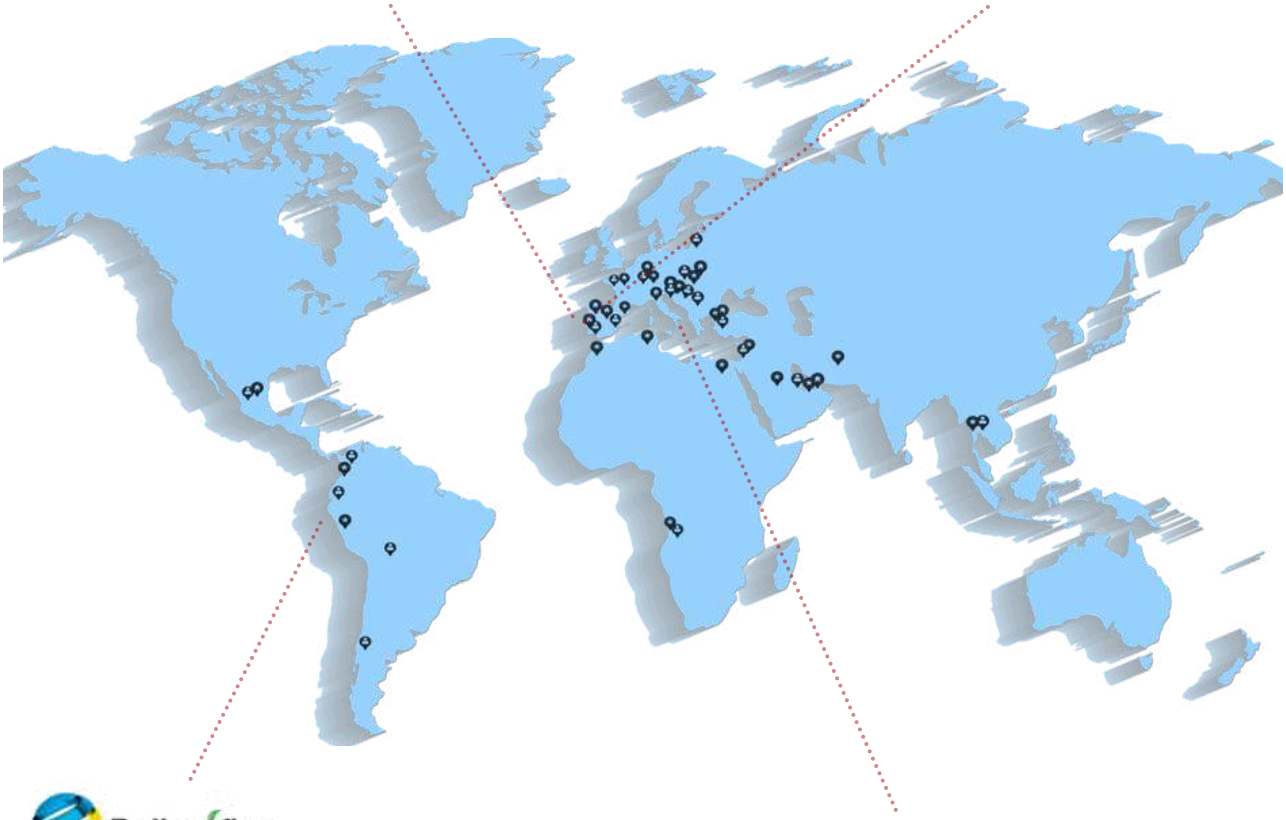
The Sistrade software is used by thousands of users, in more than 30 countries in 4 continents. Meet some of the SISTRADE clients that use the Scheduling Module:

Idepa
Portugal

IDEPA specialises in the production of woven and non-woven labels. IDEPA uses Sistrade software in all sections of the company, from estimating, invoicing, administrative and financial, purchasing from suppliers, stock management, e-business, manufacturing order management to production data collection.

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.



Poligráfica, C.A.
Equador

POLIGRÁFICA C.A. is a packaging printing and production company based in the city of Guayaquil, Ecuador. From the year of its foundation until today, its growth has been remarkable, being today the reference company in Ecuador and one of the most important in South America.

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.

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