SisTrade®

Sistrade Software

Flexible Packaging

Get to know SISTRADE

SISTRADE – Software Consulting, S.A. is an information systems company with know-how in software development and consulting services for different areas, including industrial companies. SISTRADE main goal is to offer the market the best information systems tools, in order to help its customers to improve their performance in all the critical business 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, NP4457:2007 and ISO 27001.

Thousands of Users	+ 15 Languages	Industry 5.0	Paperless

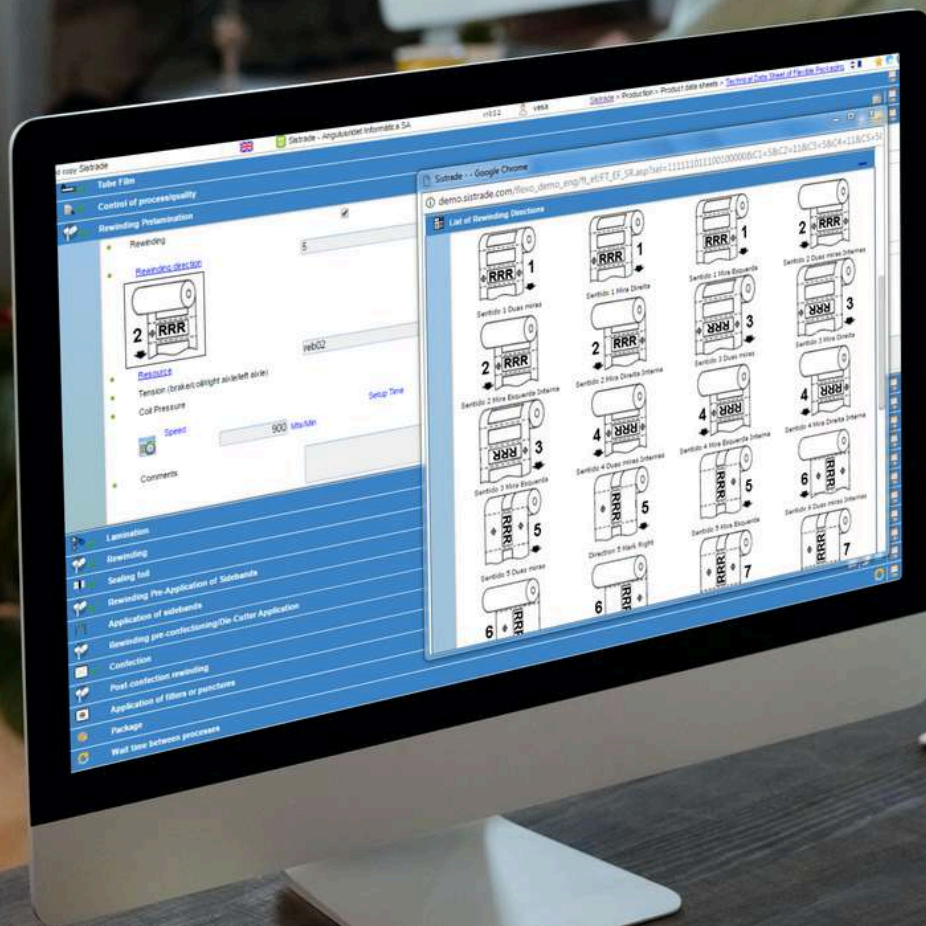| Total Integration	Process Automation	Complete Traceability	Continuous Improvement

Productivity Improvement	Cost Reduction	Waste Reduction

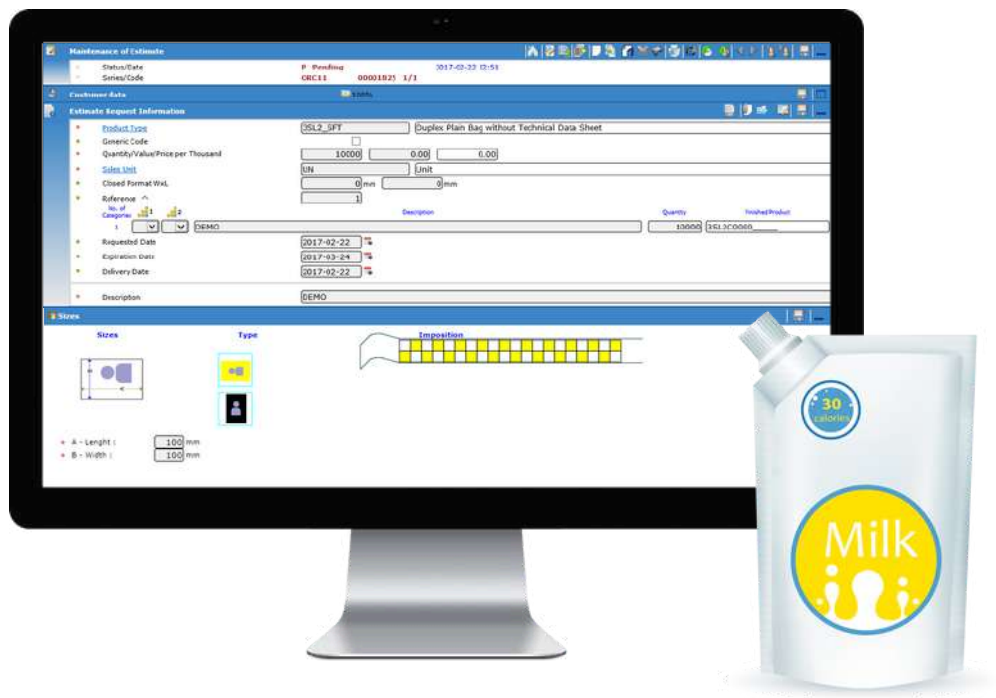# Sistrade Software for Flexible Packaging

Main Features

- Estimating any type of work: simple, duplex, triplex, quadriplex
- Detailed cost calculation and simulation of other quantities
- Email directly the quotation to the client
- Workflow for the approval
- Technical data sheets
- Graphical process management
- Imposition plan
- Management of plates cutting
- MRP - Material Requirement Planning
- Plastic Extrusion and Resin mixture
- Electronic management of documents
- Standard reports, report generator and Dashboards

Products

- Flexible Films
- Bags
- Stretch Sleeves
- Printing technologies: Rotogravure and/or Flexography

Sistrade Software for Flexible Packaging

Estimate Management

Sistrade software allows users to elaborate a fast and detailed quotation, simulate other quantities, send directly to the client and wait for the approval. The estimate can be done without Technical Data Sheet or can be based on an existing Technical Data Sheet making a copy with or without changes.

General Data

- Contact information
- Agent or vendor association
- Multi currency
- Product format, quantity, reference
- Request and expiration dates
- Product description
- Internal comments
- Simulation of other quantities
- Detailed financial costs
- Margins application
- Email directly to the client
- Workflow for approval
- Agile orders generation
- Technical Data Sheet automatic generation
- Attachment of documents

Technical data

- Base materials
- Pantones/inks
- Varnish, glue and solvent
- Production processes:
  - Printing
  - Lamination
  - Rewinding
  - Sealing
  - Confection
  - Holes/Punctures
- Other operations: pre-press
- Raw materials and other
- Manufacturing stages

Estimate Management

Production Processes and Cost Calculation

- Job difficulty
- Automatic machine suggestion
- Imposition plan
- Detailed record of all manufacturing stages and production time
- General costs of components, setup, printing, inks, solvents and glues
- Costs of materials and resources, machines setup times and respective needs
- Value and % of cost by manufacturing stage
- Prepress and finishing operations, including subcontracting stages
- Application of financial margins, with margins index, commissions, administrative costs, fixed costs and rappel
- Multi currency price definition
- Possibility to simulate several other quantities simultaneously, with margin inclusion
- Determination of the cost and selling price by quantity
- Add competitor's data
- Internal approval workflow

Attachment of any extra files
Email directly the estimate from the ERP
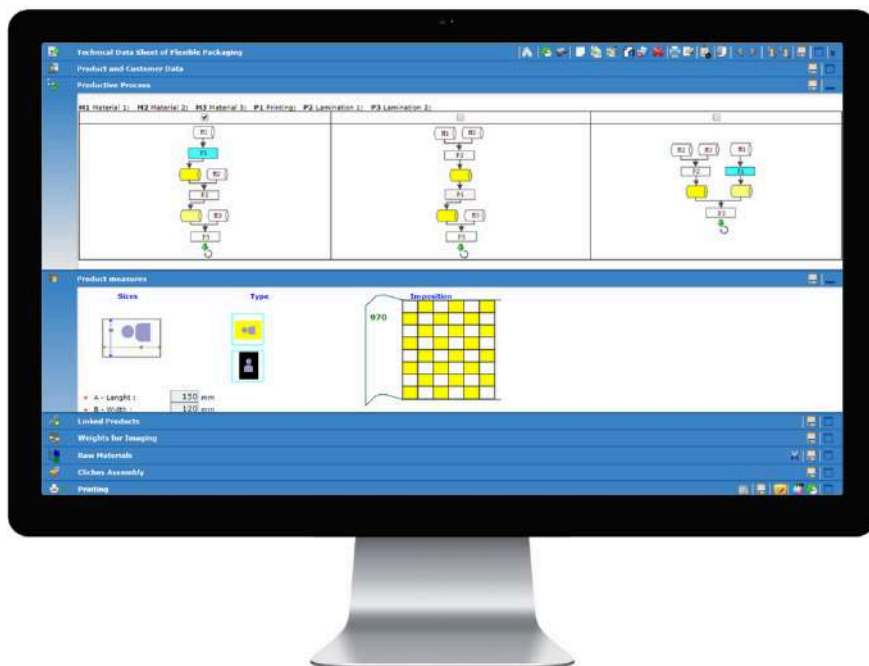Workflow record: who, what and when
Wait for the approval
Customer feedback competition information
Capacity to review the estimate and leave comments

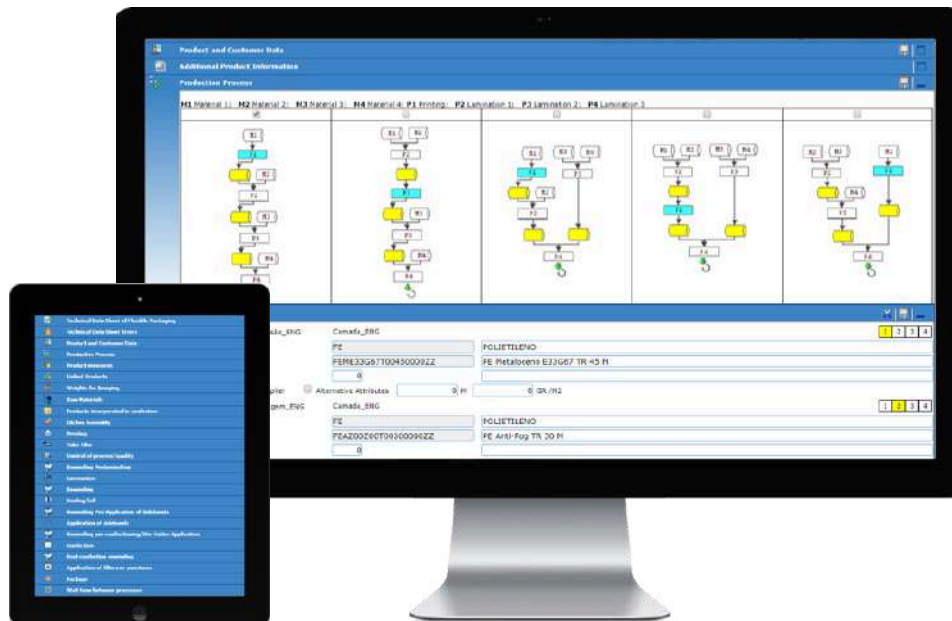# Sistrade Software for Flexible Packaging
Technical Data Sheet (TDS)

Technical Data Sheets stores all the information related to a specific product and can be related to an estimate that was previously approved through the workflow. TDS are fundamental in the production of new products and in the repetition of products with or without changes.

Key information

- Product and customer data
- Linked products
- Raw materials
- Weights per unit
- Incorporated products in confection, for gusset (side/bottom) application and loop handle
- Clichés/cylinders
- Detailed and easy view of all production processes
- Tube film
- Definition of rewinding directions based on whether the product is printed, laminated (duplex, triplex, quadriplex), confectioned, sealed and holed/punctured
- Velocity, setup time, waste in meters and % for the manufacturing stages
- Subcontracting processes
- Possibility to copy the TDS with or without changes and also create a new one
- Technical approval based on signature permission level

Technical Data Sheet (TDS)

Product specifications

Production processes
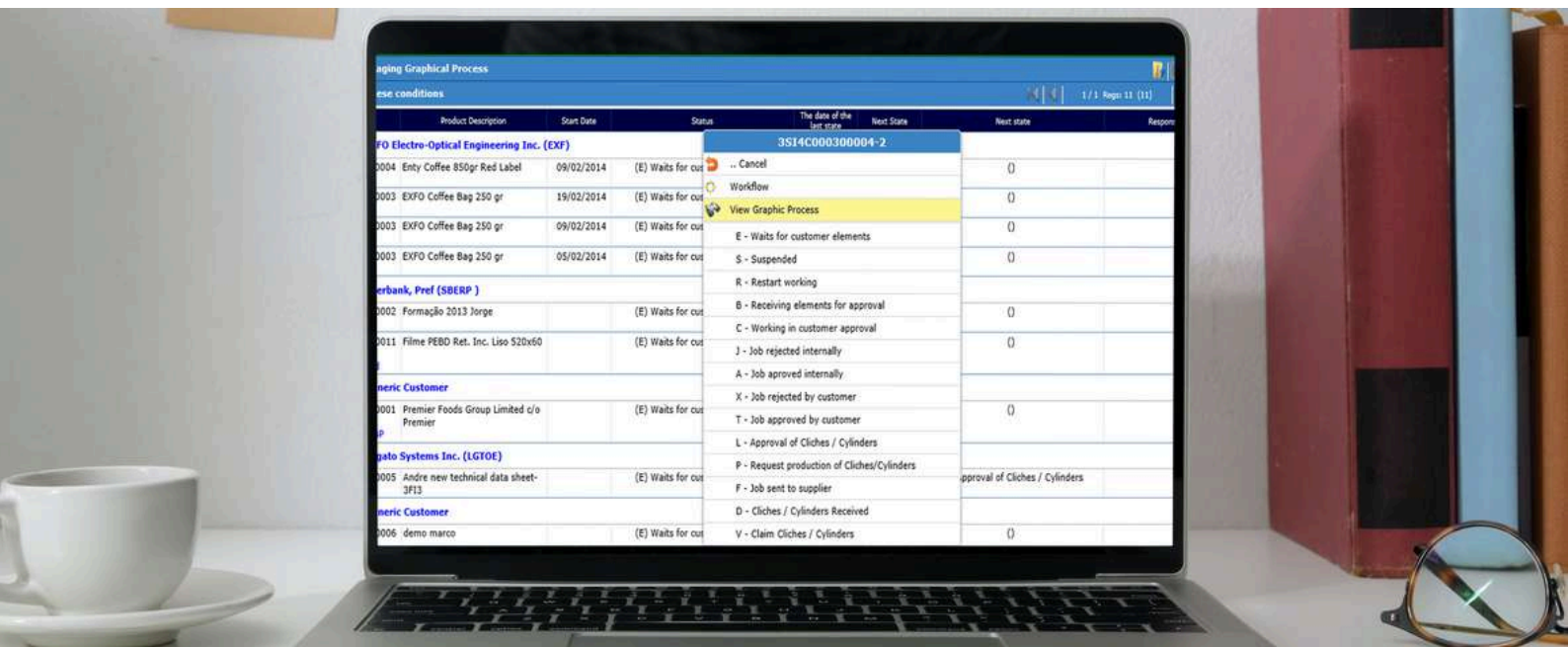
Materials used for production

TDS can be copied with or without changes

Information configurable and recorded on the TDS

- Printing
- Assembly
- Testing
- Rewinding prelamination
- Lamination
- Rewinding/cut
- Sealing
- Rewinding pre-application of sidebands

- Application of side bands
- Rewinding pre-confectioning
- Confectioning/cut
- Rewinding post-confection
- Application of filters or punctures
- Quality control
- Packaging
- Wait time between processes

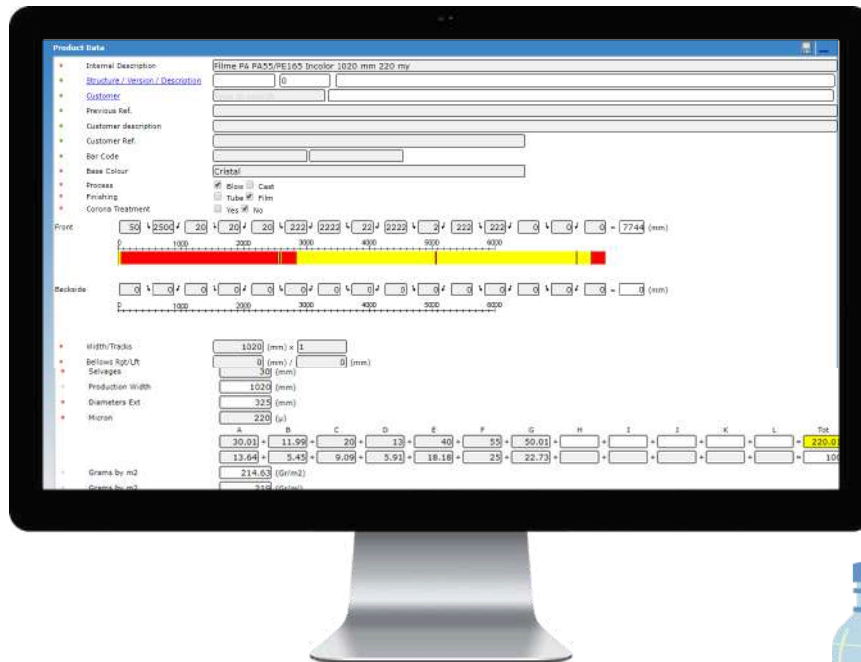# Sistrade Software for Flexible Packaging
Graphical Process Management

Sistrade software system allows users to control in real-time the status of all the different graphical processes of the products and also confirm if the customer approves all the information, files and samples.

Key features

- Control of the printing process status
- Process charts management for review
- Composition of the graphical elements
- Control of graphical processes that are pending reception of cliché/cylinder
- Colours and cylinders, with measurements and tolerances
- Control of elements to be sent or received from the customer
- Status control of approval: by customer, internally and by supplier of clichés/cylinders

Plastic Extrusion

- Automatic data acquisition from extruder machine
- Raw materials consumption and formulation on time
- System automation detects new production
- Quality control of each produced package
- Supervision control, performance, OEE, downtime, production
- Detailed information on palletization providing restriction on weight, diameters or meters to produce per reel

Technical Data Sheet of Plastic Extrusion

- Technical information related with extrusion process with detailed information of:
    - Type of extrusion (Cast or Blow)
    - Machine speed
    - Corona treatment
    - Blow-up ratio and blow head temperature
    - Formulation by extruder
    - Set of formulations
- Control of who registered and who changed the Technical Data-Sheet
- Technical approval based on signature permission level
- Detailed composition of all formulation of each extruder
- Possibility to define extrusion process combined with printing process

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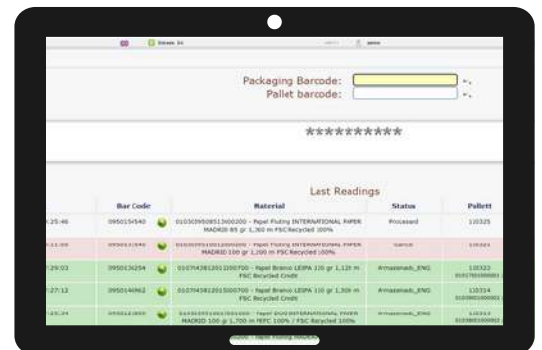## MRP - Material Requirements Planning

Plan material requirements and purchase orders with an advanced algorithm, ensuring the availability of components and materials.

- Warehouse needs analysis with stock replenishment alerts
- Material requirements planning
- Material selection and reservation
- Calculation of purchasing and production requirements
- Issuance of material requisitions
- Calculation of purchasing and manufacturing dates and deadlines
- Alerts for potential non-conformities in customer delivery deadlines

Material Management and Traceability

Ensure complete traceability of materials from receipt to shipment, facilitating audits and compliance with regulatory standards.

- Recording item movements via barcodes
- Searching and analyzing movements by item
- Material exits for production and their respective returns
- Splitting and merging lots
- Managing item locations in the warehouse

Mobile Warehouse Management

This tool allows real-time updates and mobility of crucial information for effective management of different types of warehouses using mobile devices with built-in barcode readers.

- Material receipt and loading
- Lot information, consumption history and details
- Location search
- Alerts for stock inconsistencies
- Material traceability with barcode technology
- Picking & Packing List
- Registration of finished product exit and issue of delivery note

FSC/PEFC Certification

Effectively manage FSC (Forest Stewardship Council) and PEFC (Programme for the Endorsement of Forest Certification) certifications, ensuring the products come from responsibly managed forests and comply with environmental, social, and economic standards.
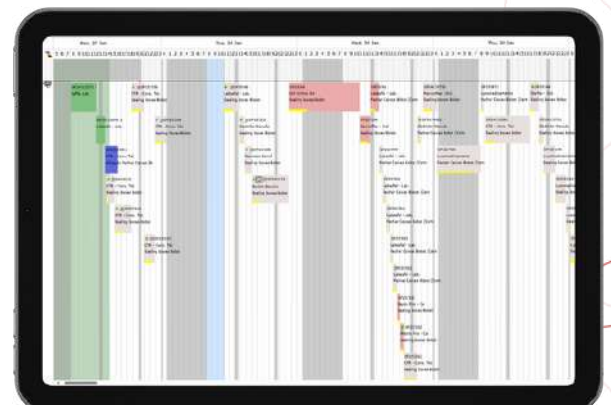
- Automatic tracking of FSC/PEFC certifications, ensuring compliance with regulatory requirements
- Organization and storage of the necessary documentation related to certifications, audits and suppliers, facilitating access, updating and sharing during inspections
- Tools for internal and external audits preparation, with comprehensive reporting for monitoring compliance status
- Tracking of certified materials throughout the company, ensuring the entire production process complies to FSC/PEFC standards

By automating and simplifying the certification management process, companies ensure compliance with the FSC/PEFC, avoiding sanctions and improving their reputation regarding sustainability

Scheduling

Achieve production efficiency within the established deadlines by optimizing your company's activities and managing resources in an economical and balanced way.
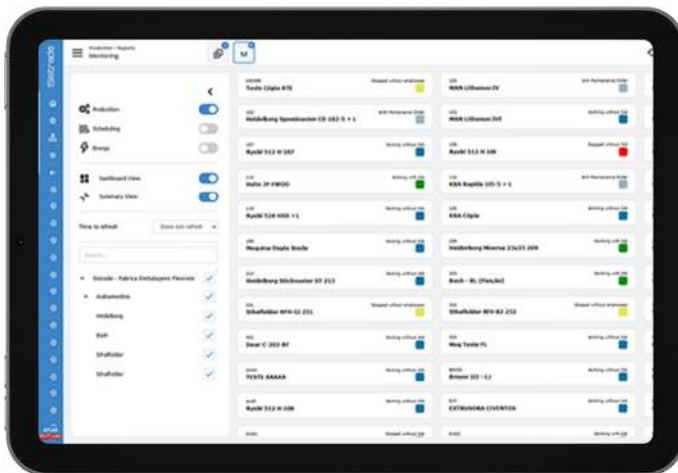
- Dynamic gantt scheduling of job orders
- Planning criterization
- Scheduling activities per employee
- Optimization Tool (AI)
- Scenarios simulation
- Load chart
- Assisted employee scheduling
- Multi-user & multi-plant scheduling
- Integration with Sistrade Data Acquisition System (DAS)

Sistrade Software for Flexible Packaging

MES - Manufacturing Execution System

- Automatic Data Collection via IoT, industrial touch screen consoles or mobile devices
- Overall Equipment Effectiveness (OEE) in real-time for continuous optimization
- Manual or automatic recording of production quantities and material consumption
- Raw material consumption recording, from manual to fully automatic
- Accurate calculation of industrial costs, including direct and indirect costs
- Product quality assurance, including traceability of non-conformities and equipment calibration
- Comprehensive control of preventive and corrective maintenance and incident analysis
- Interactive production reports to methodically analyse productivity and support decision-making

Shipping Management

Optimize the shipping process with automatic and manual planning, ensuring efficient resource allocation, route optimization, cost reduction, and other personalized adjustments to meet customer-specific requirements while guaranteeing timely delivery.

- Automatic generation of loading groups
- Automatic vehicle selection according to planned deliveries
- Issuance and editing of delivery notes
- Change the shipping preparation documents in the Picking List
- Consolidation of materials to be delivered

Business Intelligence

The SISTRADE Business Intelligence (BI) module is designed to support managers and analysis teams, offering a clear, real-time view of all company processes, from production to financial management, facilitating quicker and more effective strategic decision-making.

- **Make informed and rapid decisions** with access to real-time data, obtaining a clear and accurate view of your company
- **Customize the visualization** of the most important information through dynamic dashboards tailored to your needs
- **Quickly identify inefficiencies** and increase productivity by optimizing processes and reducing costs
- **Personalize the most relevant KPIs** for your role, ensuring you always have the correct metrics at your disposal
- **Obtain a comprehensive view** of your company's performance, with in-depth and strategic analysis across various dimensions
- **Focus on continuous improvement** by measuring KPIs in real-time and adjusting strategies swiftly

Business Analysis

- Administrative & Financial Area
- Accounting & Treasury
- Fixed Assets
- Human Resources
- Estimating & Commercial Management
- Procurement & Warehouse
- Sales & Expedition
- Production Management
- Quality Control
- Equipment Maintenance

Sistrade Software

Solutions

Procurement, Warehouse & Expedition

Supplier Management
MRP
Purchasing
Stock Management
WMS

Estimating & Sales

Estimating
Orders
Expedition
Invoicing
CRM

Production

Job Orders
Data Collection
Industrial Costing
Scheduling
MES
SCADA

Administrative & Financial

Accounting
Treasury
Fixed Assets
Human Resources
Employee Portal

Other Solutions

Equipment Maintenance
Quality Control
Project Management
Business Intelligence
Energy Management
E-Business

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Sistrade Software Users

The Sistrade software is used by thousands of users in 4 continents. Meet some of the SISTRADE clients that use the Quality Control Module.

Portugal

Vizelpas is a company producing flexible films for the production of flexible packaging. It was founded in 1996, since then it has grown and today combines competence and know-how with a controlled production process, from extrusion to shipment, providing efficient solutions through innovation and high-performance products.

Italy

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

Colombia

Proempaques Ltda., is a company with over 35 years of experience, specializing in producing self-adhesive labels and flexible packaging for the food, cosmetics, agrochemical and pharmaceutical industry.

Lebanon

ProPack was founded in Lebanon in 2018 with the intention of providing the latest & highest technology in extrusion film, flexible packaging and labels manufacturing in the Middle East. Propack has now carved out its particular niche in this market, being certified by the biggest universal brands.

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