Enterprise Manufacturing Intelligence SUITE Tools for Industry 4.0 environments

III EMI SUITE **4.0**

Your reliable partner in Industry 4.0

WHAT WE DO?

We make our customers more productive through digitalization, connectivity and systems integration.

WHAT WE OFFER?

We offer software solutions that improve the processes associated with quality, maintenance and production, with the aim of helping you in the digital transition to Industry 4.0.

HOW DO WE DO?

We make targeted approaches so that you get a quick return on your investment. We offer consultancy and advice throughout the entire digitization, based on absolute professionalism, experience, technological and industrial know-how.

ERP

SOINCON

Our work areas

Digitalization and tools for industry

CONNECTIVITY WITH MACHINE

- Industrial systems integration
- Industrial IOT platform
- Historical data storage
- Statistical processing of data
- Calculation of OEE
- Factory dashboards

SOLUTIONS FOR PROCESSES DIGITALIZATION

- Scheduling
- Digital work part
- Dashboards
- Notifications
- Data collection
- ERP integrations

EMI SUITE 4.0- TOOLS FOR INDUSTRY

- Production improvement and monitoring
- Quality tools
- Maintenance management
- Machine connectivity
- Integration with MES and ERP
- Logistics optimization
- Digitalization of OFs de las OFs
- Part of work

Welcome to Industry 4.0

We connect people, machines and management tools.

EMI Suite 4.0 provides the tools for the management, control and monitoring of everything that occurs in a production plant to achieve an excellent planning of the organization.
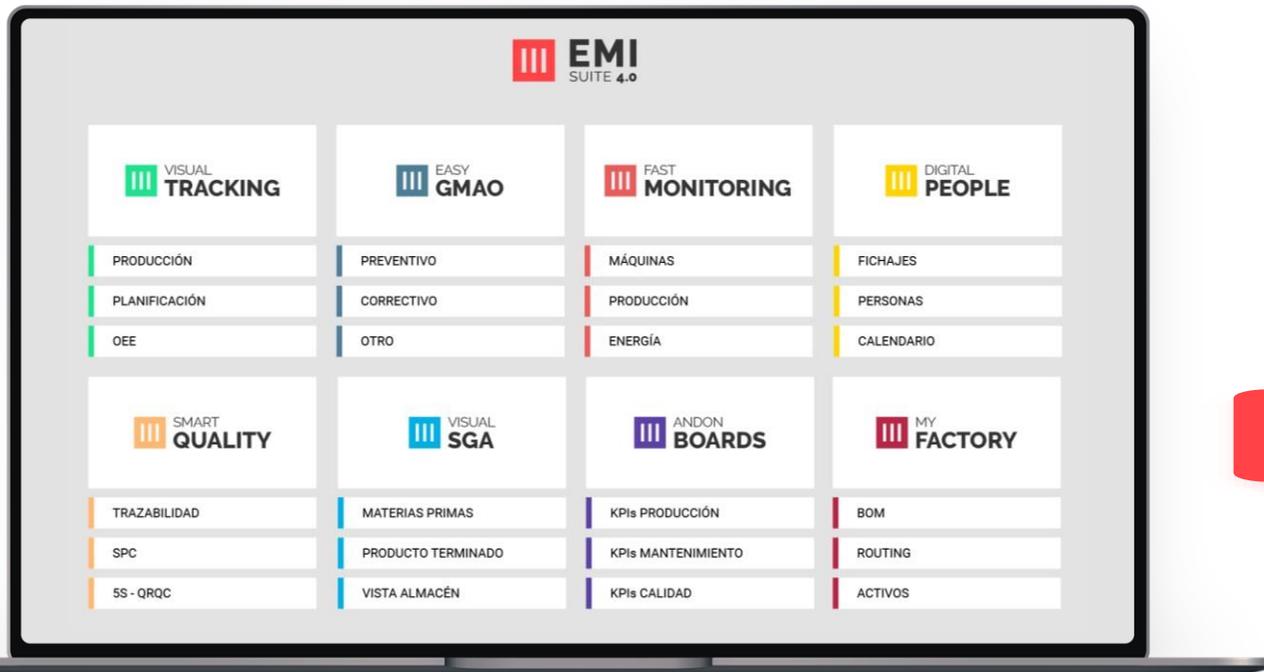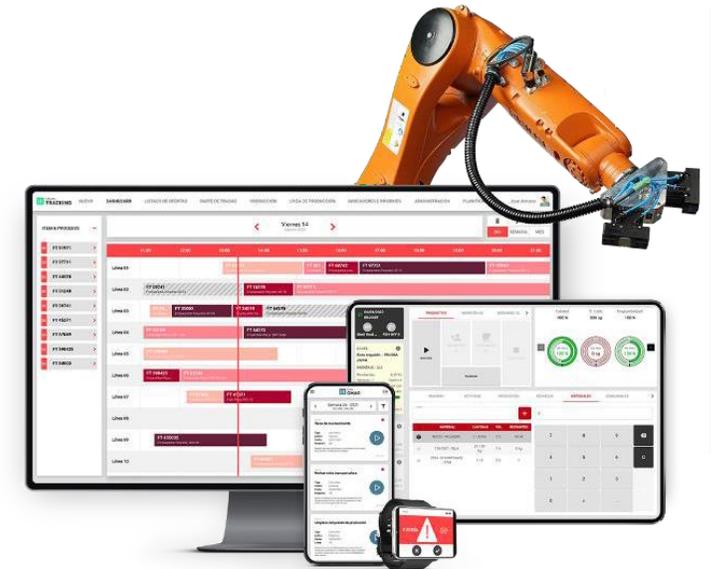
The platform offers the necessary tools to provide factories with a connected and automated production, promoting an integrated ecosystem of machines, people and information systems capable of communicating with each other and contributing added and differential value to the business.

EMI SUITE 4.0

www.emisuite.es

VISUAL TRACKING	EASY GMAO	FAST MONITORING	DIGITAL PEOPLE
PRODUCCIÓN	PREVENTIVO	MÁQUINAS	FICHAJES
PLANIFICACIÓN	CORRECTIVO	PRODUCCIÓN	PERSONAS
OEE	OTRO	ENERGÍA	CALENDARIO

SMART QUALITY	VISUAL SGA	ANDON BOARDS	MY FACTORY
TRAZABILIDAD	MATERIAS PRIMAS	KPIs PRODUCCIÓN	BOM
SPC	PRODUCTO TERMINADO	KPIs MANTENIMIENTO	ROUTING
5S - QRQC	VISTA ALMACÉN	KPIs CALIDAD	ACTIVOS

Real time production control system

VISUAL TRACKING

Planning tools

The most complete MES solutions on the market for the control and management of industrial production in real time.

Visual Tracking is a modern, interactive, agile, tactile and visual MES system. It aims to digitalize all manufacturing processes, offering a Kanban vision with the status of all operations and providing digital tools for control, planning and quality assurance of all operations

The system is fully integrated with the ERP, identifying all orders or manufacturing needs, which by means of a series of tools it through the entire manufacturing lifecycle, returning all the information generated to corporate systems.

The system offers an operator panel to control the time dedicated to each activity or process , part of work, shift management, indirect work, breaks, reports, maintenance requests... It eliminates the paper work report. Controls the time spent by each operator in each process in real time, allocates consumables, materials and controls the real costs.

Obtain process, status and production phase indicators for each OF. Calculation of OEE, availability, performance, quality. Actual cost reports, productivity of personnel, line, shift... Extensibility and total integration with business intelligence tools.
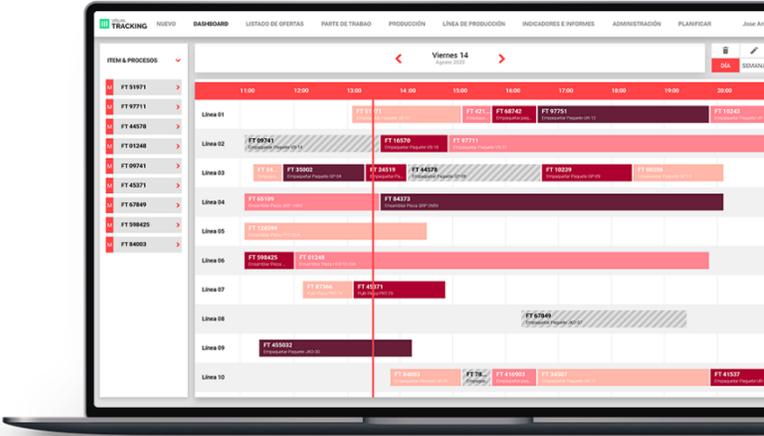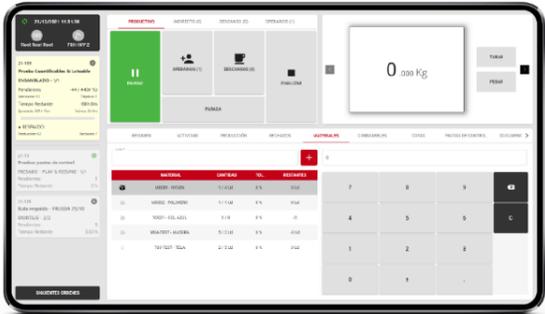
Operator panels
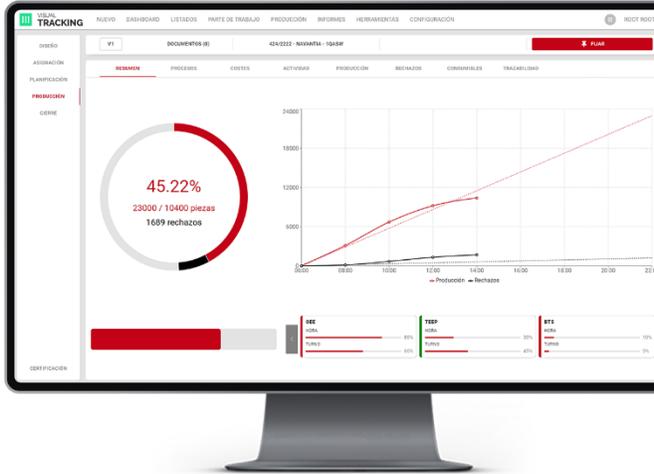
Production control charts

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Simplify maintenance management
# Easy GMAO

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Simplify the maintenance of your assets and manage their preventive and corrective maintenance.

Access all your asset information from any device by simply scanning a QR code.

- Defines preventive maintenance plans

- Manages corrective maintenance

- Real time control of the maintenance being carried out

- Records and manages maintenance requests

- Attaches multimedia evidence to tasks using the integrated document manager

- Universal Access to information from any place and any device
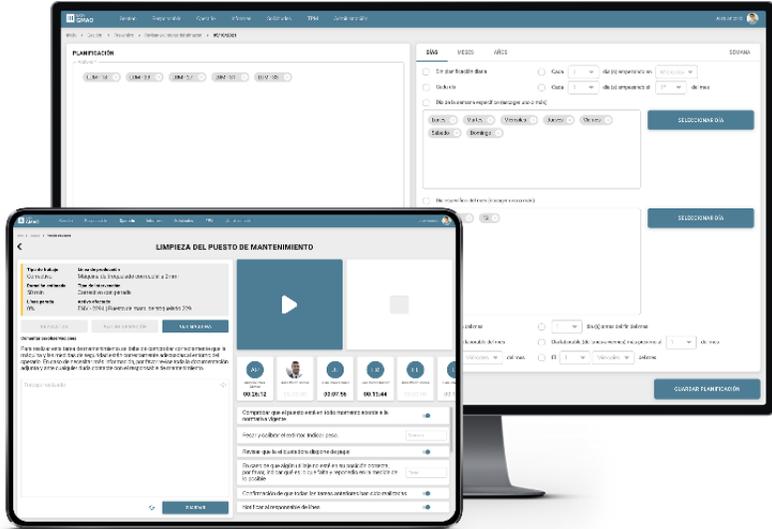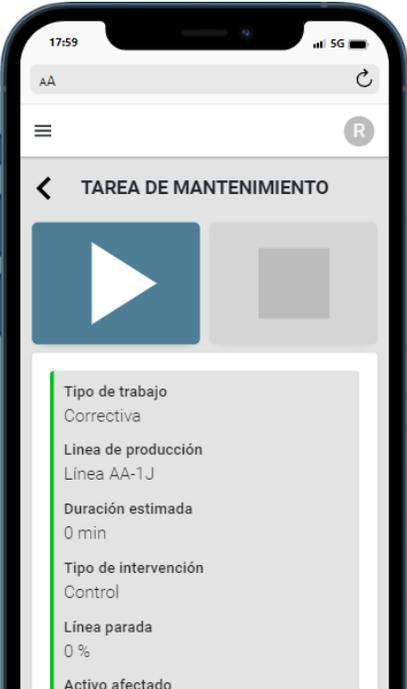
IOT platform and Big Data

FAST MONITORING

It connects the different origins of information to create a single and secure source for access to data.

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Connectivity is the first step in advancing digital transformation. The multi protocol Fast Monitoring platform connects and standardizes the different origins of information to create a single and secure source of data access. It connects all the devices (sensor, machine, PLC...), analyzes the data and shares the information with the other components that make up the information with the rest of the components that integrate the production ecosystem.

IOT		REAL TIME		CMMS
PLCs		HISTORIC		Reporting & BI
Automatons		ALARMS		MES
SCADA		SYNOPTICS		ERP
Energy		REPORTS		Others
Others				
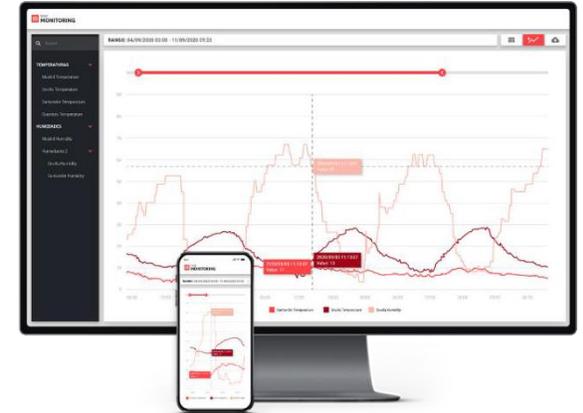
FAST MONITORING

- Scalable
- Multi-plant
- Secure
- Interoperable
- On premise / SAAS
- Adaptable

Statistics and reports	Alarms and notifications	Multiprotocol	Connectivity with machine	Real time monitoring
Multi device access	Redundancy	Data cleansing	Development modules customized	Integration with ERP
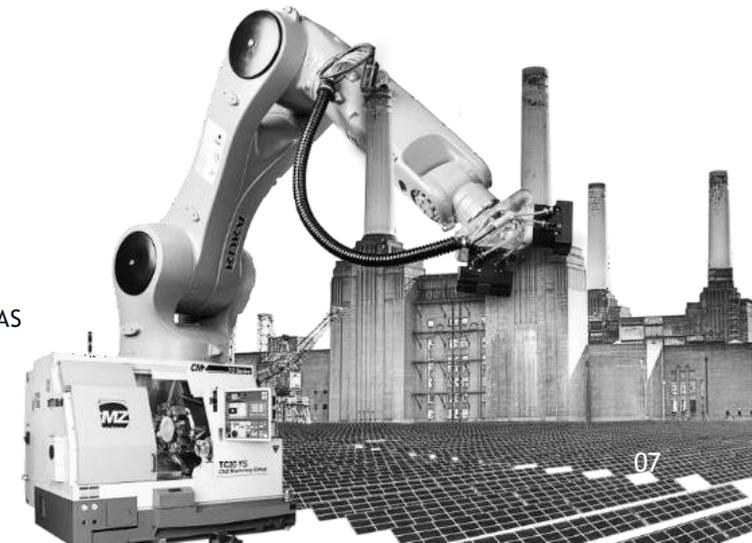
Robots 4.0, tools 4.0, connectivity 4.0 and...

People 4.0?

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DIGITAL PEOPLE

**Digitizes all processes associated with people management and transforms the company and its culture.**

People management is fundamental in any organization, not only for corporate communication, recruitment, holidays, absences, absenteeism, documentation etc. But also for proper planning.

TIME CONTROL AND REGISTRATION OF VISIT

- Absenteeism control: attendance control, vacations, leaves of absence...
- Teleworking
- Work control app

ADMINISTRATIVE MANAGEMENT AND COMMUNICATION

- Travel
- PRL: medical apt, PPEs…
- Employee portal
- Database
- Contracts
- Cost control

PEOPLE DEVELOPMENT

- Organization charts
- Calendars
- Training
- Applications
- Profesional career
- Evaluation and performance

4.0 Non-conformities manager

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Quickly handle any type of claim regardless of its origin. Customers, suppliers and internal.

Have an adapted, intuitive and unified visibility of claims. Attach evidence and acquire all information at a glance.
Impute information in a matter of seconds. Save time in your processes and standardize them.

Export reports tailored to your needs and those of your customers. Customize each report without changing the management between them.
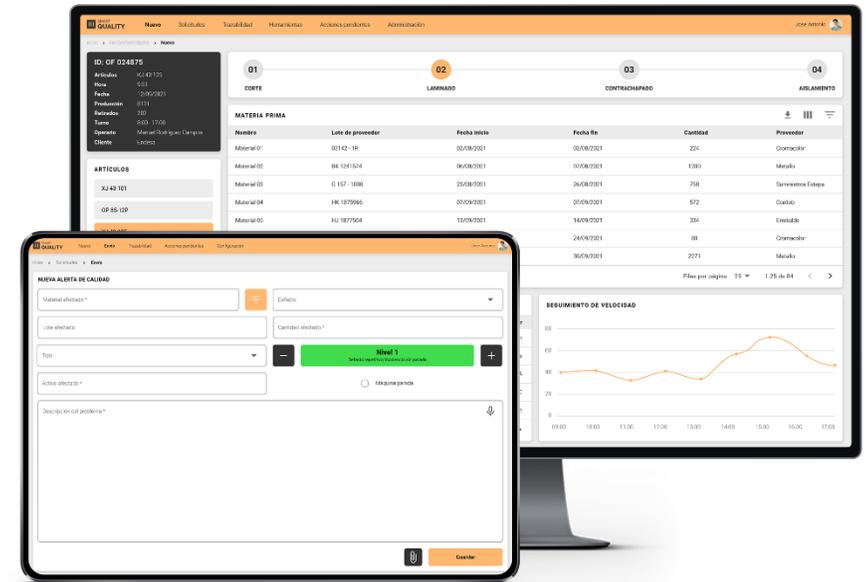
Locate the defect quickly

Access to the order information and get all synchronized data thanks to the traceability system.

Tailored reports

A separate report for each type of customer, another for your suppliers, another internal…
Get your reports according to your needs.

Manage all actions

Assigns actions and analysis related to quality and massively manages each of the steps of the complaints.

Quality integrated with the operator

Manages quality requests made from the operator's own workstation in a simple and direct way.

Warehouse management system

VISUAL SGA

Facilitates reporting of incoming and outgoing goods from any mobile device.

Speed up your warehouse management times by controlling operations in a quick and easy way.

Total management of information flows associated with warehouse logistics operations.

- Label generation
- Entry register
- Check out log
- QR scanning
- Stock in real time
- Warehouse map

REAL TIME
INTEGRABLE
FIFO / LIFO
CHAOTIC WAREHOUSE
REPORTS

- CMMS
- Reporting & BI
- MES
- ERP
- Others
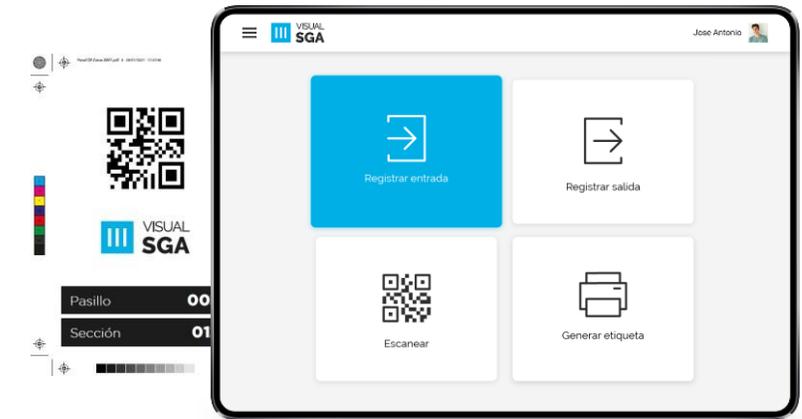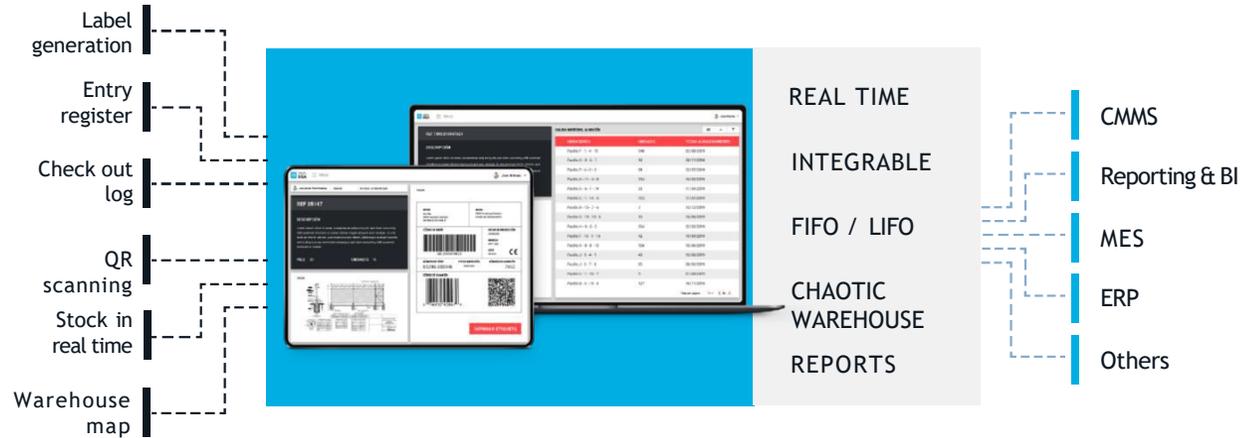
Manage your warehouse in a visual way and reduce operation times.

VISUAL SGA

Jose Antonio

Registrar entrada
Registrar salida
Escanear
Generar etiqueta

Pasillo 00
Sección 01

Statistics and reports	Alarms and notifications	Multiprotocol
Multi device access	Redundancy	Data cleansing

- Escalable
- Analytics in real time
- Secure
- Interoperable
- On premise / SAAS
- Adaptable
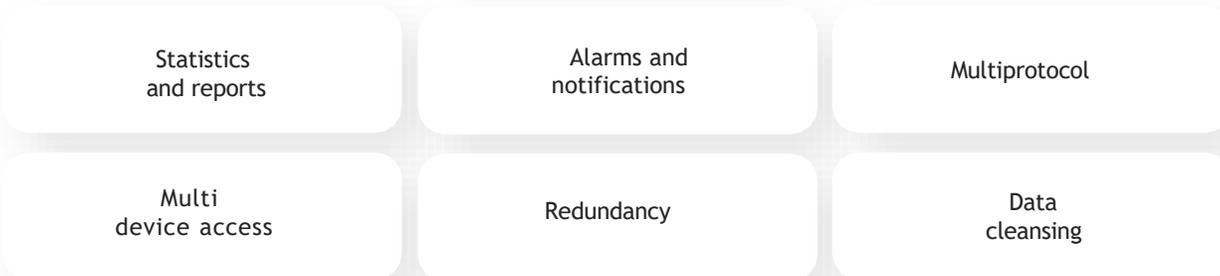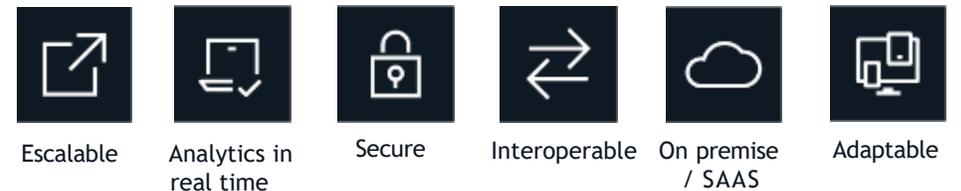
Visual management for decision making

ANDON BOARDS

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Generate dashboards and facilitate team collaboration through simple, effective and visual.

To be agile we need information available where, when and how it is needed. Digitize your management dashboards and get up to the minute updated information at the moment.
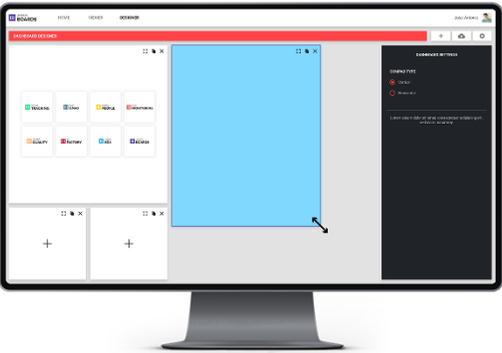

Design the control panel

Defines in a visual way the information containers. Get the most important information at a glance

Select the information

Select the information you want to display for each of the defined containers. You can select KPIs, graphs, documents, network files...

ANTES

DESPUÉS

011

Standardize and centralize all your factory parameters

MY FACTORY

EMI SUITE 4.0

My Factory allows the configuration of all cross cutting elements related to factory management such as asset tree, calendars, materials, references, BOMs, manufacturing routes, documentation, etc.

My Factory has connectors with the main ERPs in the market such as SAP, Dynamics, SAGE, Expertis, etc.
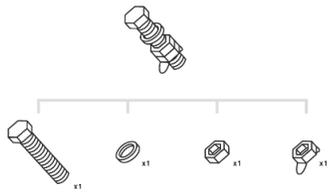
Materials

Bill of Material is the definition of items/references, families to which to which it belongs and raw materials that make it up.

Assets

Define your factories, sections, lines, machines and workstations available in all other EMI Suite modules.
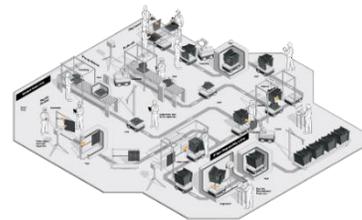
Routes

Designs and specifies the different manufacturing routes and characteristics through which each reference in the production process of your factory.
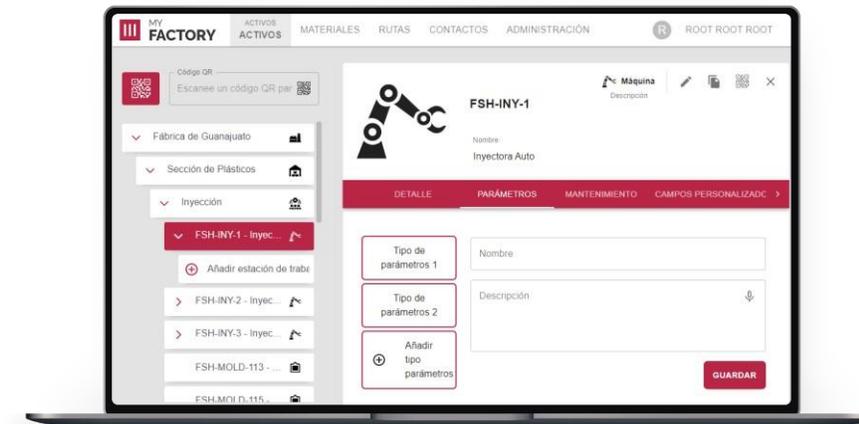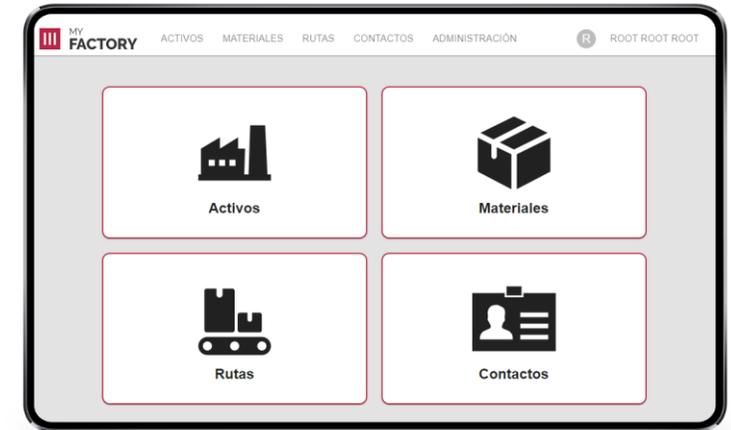
The success of digitization 4.0 depends on integrating and orchestrating
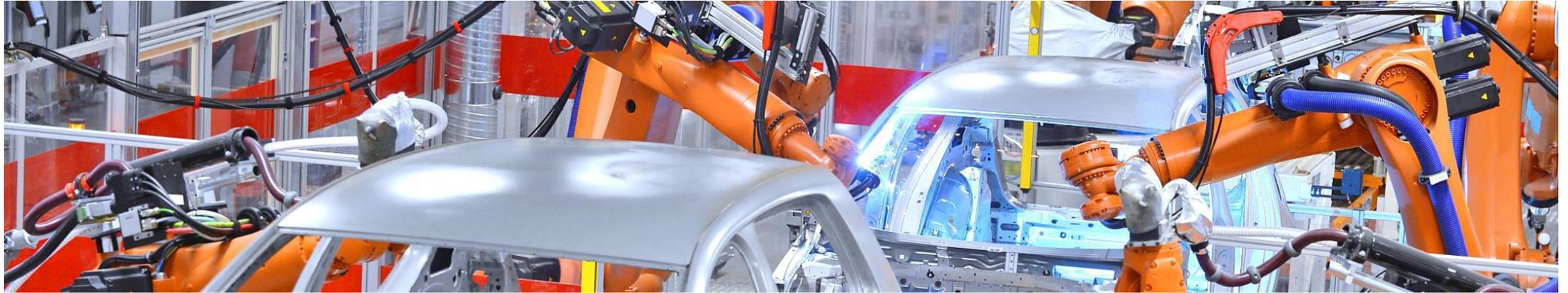
Success in the digital transition to Industry 4.0 is not only a matter of digitizing processes, but also must be connected and orchestrated, offering added value across the entire organization.

The purchase of digital tools is often done by functional needs, and it is when we realize that it is necessary for these tools to work in a coordinated way.

Planning the digital roadmap taking special interest in the "core" issues to all the tools and their integration, is essential to guarantee success in the organic digital growth of the entire 4.0 ecosystem.

MY FACTORY

Some of our customers.

Maflow Spain Automotive **trust in EMI Suite technology** to carry out its digital transformation strategy and its transition to Industry 4.0. Maflow is dedicated to manufacture components and circuits for vehicle cooling. **EMI Suite optimizes all manufacturing, maintenance and quality processes.**

The project covers the main processes related to the production of the company such as planning, production tracking, machine connectivity, industrial big data, people management, maintenance, warehouse, access control, reporting, traceability, andon...

The Gestamp Group relies on EMI Suite for the development of a project for the optimization of autonomous, integrated and automated goods receipt based on rules engines..

The system allows them to recognize the registration number of a supplier, identify the material he is bringing, contrast the needs with the production and warehouse systems so that the system itself makes decisions on the opening of barriers as well as the guidance through the factory areas to perform the unloading.

SEG Automotive Group, the world's leading manufacturer of hybrid systems, alternators and engines for the automotive and urban mobility sectors, is an innovative company that is committed to technology and Lean Manufacturing methodologies. SEG has several modules of the EMI Suite platform, which allow them to among other things, provide them with tools for control and production planning tools, electronic Kanban production control and planning tools.

Materials procurement, industrial connectivity, BigData connectivity, BigData storage, productivity control and incentives and maintenance control among others,...

Hitachi Automotive relies on EMI Suite 4.0 for plant floor data capture as well as the development of all traceability control and in-line defect control.
The Fast Monitoring module as a BIG DATA platform for the collection of all production line data under a cybersecurity under a cybersecurity architecture.

The system allows to know in real time the status of the production and the generation of advanced KPIs.
The Smart Planner module enables optimization of planning by means of complex algorithms , optimizing resources and reducing manufacturing costs.

Some of our customers

BSH is the market leader in home appliances in Western Europe. The main brands under which its products are marketed are Bosch and Siemens.

The work carried out for this customer is related to the capture of plant information, consolidation in a Big Data environment, the exploitation of the data and the calculation of the OEE of their production lines.

Fushima, one of the most important European suppliers of personal care products and personal hygiene products, has entrusted SOINCON with the transformation of the plant towards a connected manufacturing model.

The implementation of the EMI Suite 4.0 platform and its various modules for planning human resources, production control, quality management, maintenance and real time monitoring.

Fushima has entered fully into a 4.0 production model.

Vega Pelayo, a food company specialist in the production of bakery and pastry products related to bakery and pastries, has required required our services for the integration of the integration of all the machinery of its production lines in order to production lines in order to visualize in real time and reduce downtime and maintenance tasks.

The generation of KPI's and dashboards allows you to control and optimize your production processes.

Nestlé is a world leader in the food industry, which uses SOINCON systems for the capacity control of its spaces.

In addition, it has implemented our solution EMI Suite 4.0 to improve the planning of different areas of the factory, allowing to have control over forecasts, raw materials, supply chain and logistics to optimize manufacturing plans.

Some of our customers.

The FAED group is a world leader in the manufacture of cast steel components with more than 20 years of experience in the sector. This group is made up of a series of companies (FAED, EUROFUCAM, MECAPREC, ENCOMP) that cover the integral cycle and the whole steel production process.

EMI Suite 4.0 digitizes the entire process of manufacturing, quality control, planning and reporting providing information on all processes in real time.

EvoBus GmbH belongs to Daimler AG. With its brands Mercedes-Benz, Setra, OMNIplus and BusStore, EvoBus is a benchmark and a leader in solutions for the European bus and coach market with a worldwide presence.

It develops and offers sustainable solutions for the mobility of the future. EvoBus is the largest bus and coach manufacturer in Europe and a global market leader.

This customer uses EMI Suite 4.0 technology for the control of its production processes and control of all traceability of all operations, both internal and external processes.

Compesca bases its activity making, handling and distribute seafood, prawns of the most diverse origins, shrimps, cephalopods, fish fillets, molluscs, value-added products and products derived from surimi.

Production control and planning was a necessity to continue forward in the company's innovation policy. EMI Suite 4.0 provides them with all manufacturing control, as well as integration with all corporate tools.
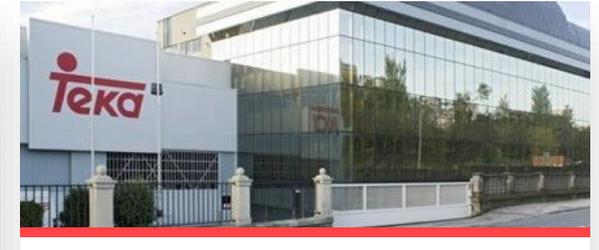
Teka Group is a German multinational, which is part of Holding Heritage B. Today, it has 15 factories and around 4,000 employees worldwide. Its presence covers more than 120 countries on five continents.

The Group encompasses different leading international brands, such as Teka, Küppersbusch, Intra, Mofém and Thor. Control of production and traceability has allowed the company to considerably improve productivity, quality control and customer service.

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