



Izaro APS

Production Advanced Planning&Scheduling.

Leading IT

Providing ERP solutions for
innovation in management.



OurTeam:

100 people,

Highly specialized in R+D+i

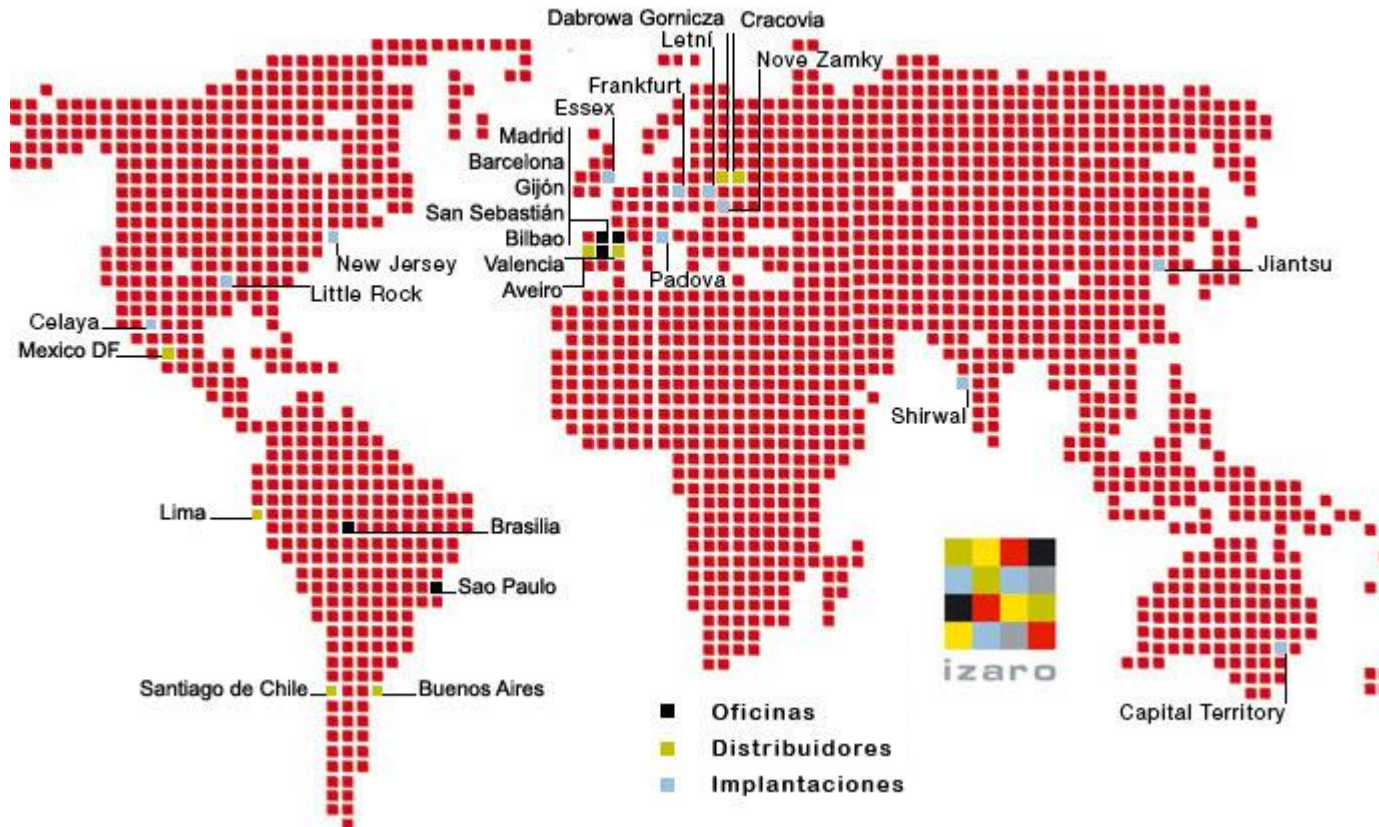


Headquarter in **San Sebastián.**

Branches in **Madrid, Barcelona, Gijón, Bilbao, Sao Paulo and Brasilia.**

Distributors in **España, Europa y Latino América.**

International DNA



Usual customers:

Industrial, distribution and service companies with turnover between 3 & 100 M€.

We have customers in France, Czech republic, USA, Mexico, Italy, China, Australia, Poland,...

Business

Suite



www.grupo168.com

TSA

Technical Service Assistance

Mobile

SAT Mobile

POS

Point of Sale

B2P

Offers and subcontractors

CMS

Cash Management System

Finances

- General Accounting
- Analytic Accounting
- Payments and Collections
- Assets

Logistics

- Warehouse Management
- Logistics and sales
- Purchases
- EDI-GNE

WMS

Warehouse Management System

CRM

Customer Relationship Management

B2B

Customers and Reps.

DMS

Gestión Documental

BPM

Gestión de Procesos de Negocio

Business Intelligence

Análisis de Información

B2E

Employee Portal

HR

- Personnel and Payroll
- Time and attendance

Manufacturing

- Engineering
- Production
- MRP
- Quality

MES

Data Collection

APS

Production Planning

MMS

Plant Maintenance

Web access

Customers
Reps
Branches
Employees

Prevention

Labour Risk Management

ADS

Product Configurator

EPM

Project Management

SPC

Statistic Process Control

MMS

MMS Mobile

Production

Advanced Planning & Scheduling

¿What should happen in my shop floor?

MRP solutions plan production with
2 deficiencies:

1

Infinite capacity



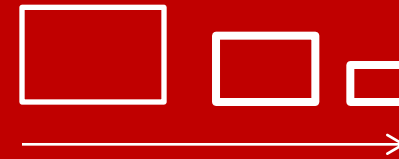
2

In time buckets



Need to manufacture:

- Smaller lots



- Shorter delivery dates



- Higher range/ customization



- ❑ **Repetitive** or **Discrete** manufacture
- ❑ Manufacturing processes based on **independent resources** (vs. production lines): CNC, milling, moulds, ...



- Autopart suppliers (Tier I,II) and Aerospace
- Plastic Products
- Metal Products
- Electronic
- Mass consumption
- Glass, Ceramic and others
- Wood & Furniture
- ...

Izaro APS **secuencias** operations

according to **optimization criteria** to

maximize the planning goals.



Multicriteria Optimization

- Minimize Setup Time (Change-Over)
- Minimize Waiting Time
- Minimize Average Delay
- Minimize Load Level
- Minimize Maximum Delay
- Minimize Deviation Against Delivery Date
- Maximize Priorities
- Maximize Turnover
- Maximize Energy Efficiency



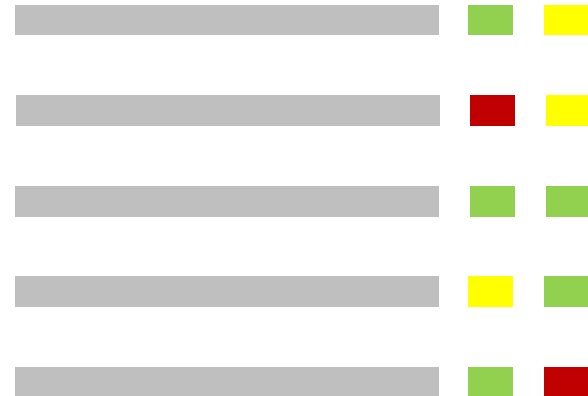
Secuenciar con múltiples **restricciones** y **especificaciones productivas**, tales como:



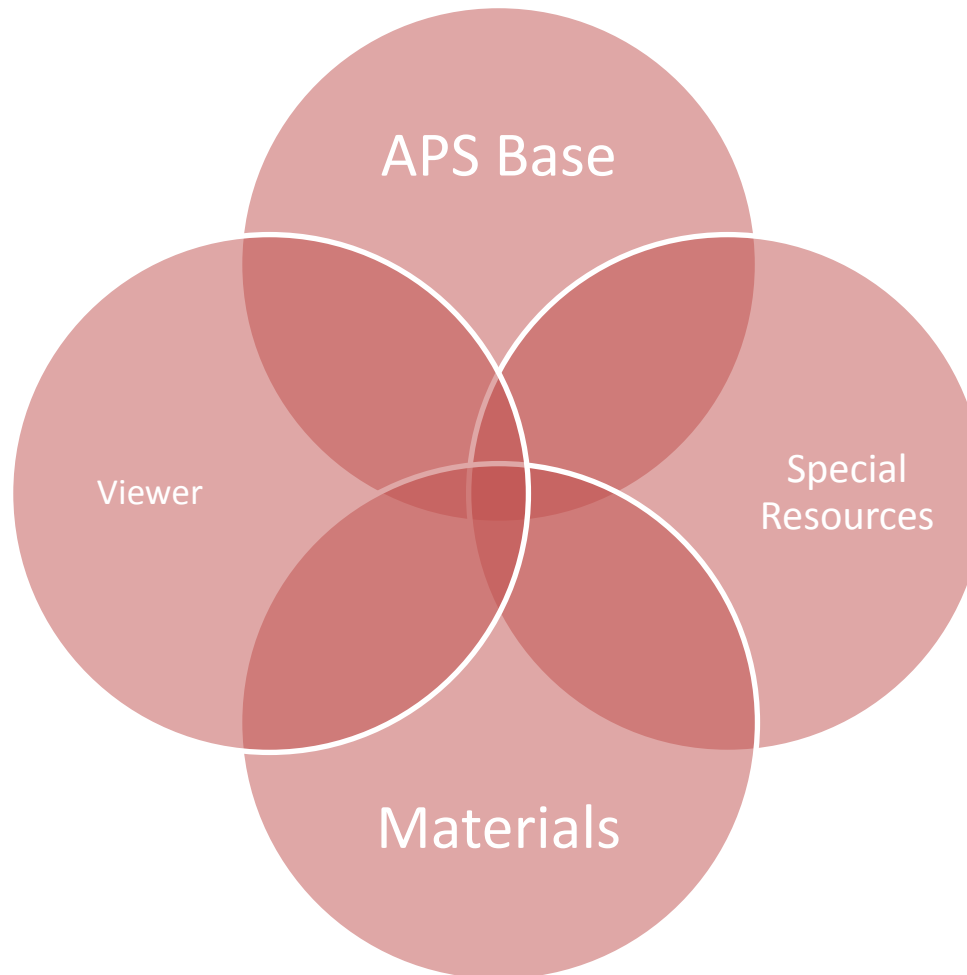
Para adaptarse a los **requerimientos** de las empresas industriales:

KPIs:

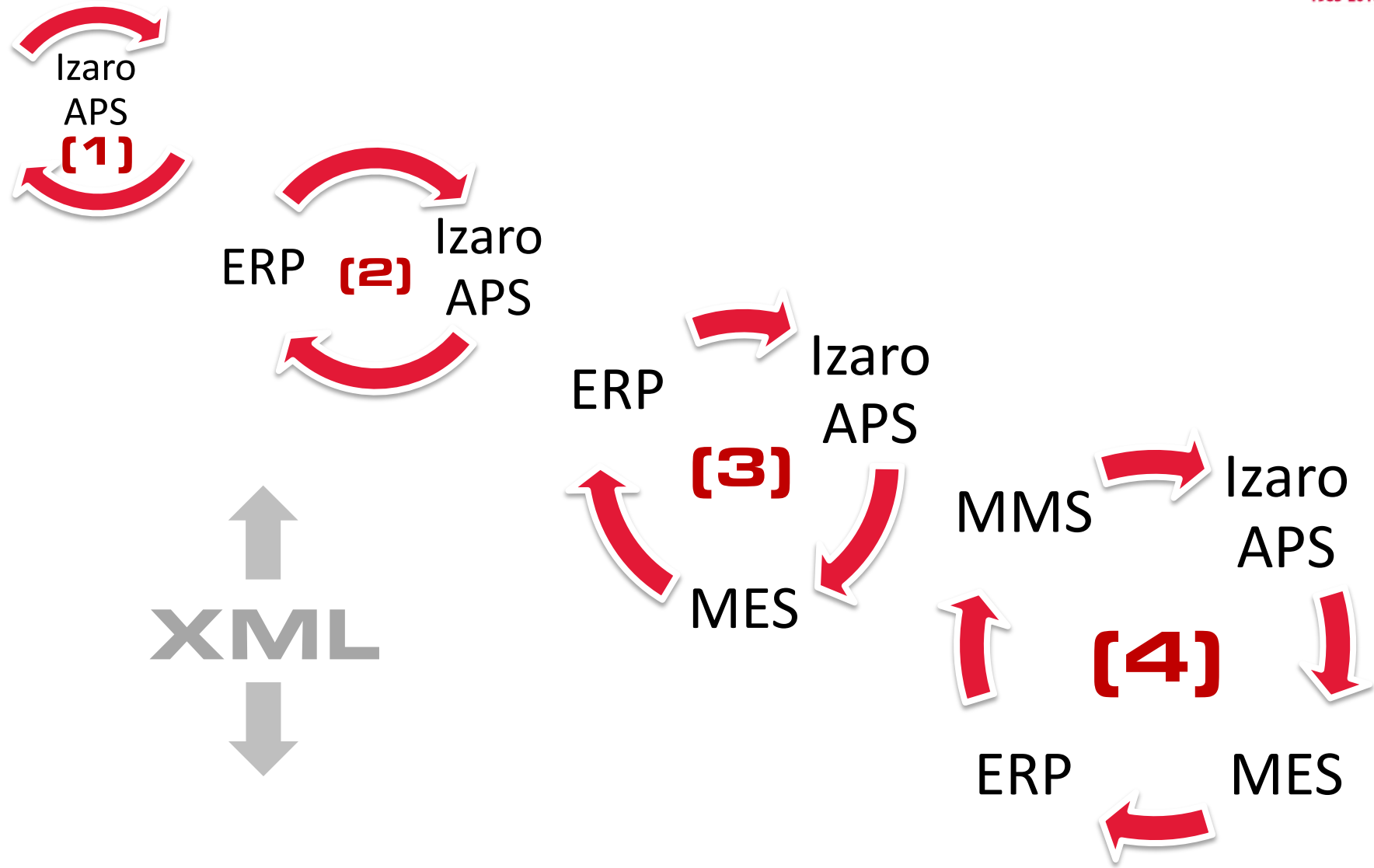
- **Measurable** planning result
- **Comparison** between different plannings
 - Global
 - Detail
- “ what-if ” scenarios



Independent modules



Izaro APS: Scenarios



“ *The rol of a planner must change from being*
reactive *(solve problems) to being*
proactive *(find efficiencies).* ”

www.izaroaps.com

www.grupoi68.com





Passion for innovation.

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