

WITH **eSphere** PREDICTION BECOMES CERTAINTY!



The **Omni+** algorithm of **eSphere** introduces the evolution of the Just in Time concept in your company. **eSphere** is in fact the tool designed for **optimal production management** based on the Lean Thinking philosophy.

eSphere lets you manage **company production** in an advanced manner and in real time, through a totally integrated database: every time the planning is changed, **Omni+** automatically and quickly recalculates the impact of operational and tactical decisions on the production process.

eSphere allows Finite capacity management of:

- » Resources
- » Materials
- » Equipment
- » Assemblers
- » Operators



eSphere

GP PROGETTI
PRODUCTION SOFTWARE SOLUTIONS

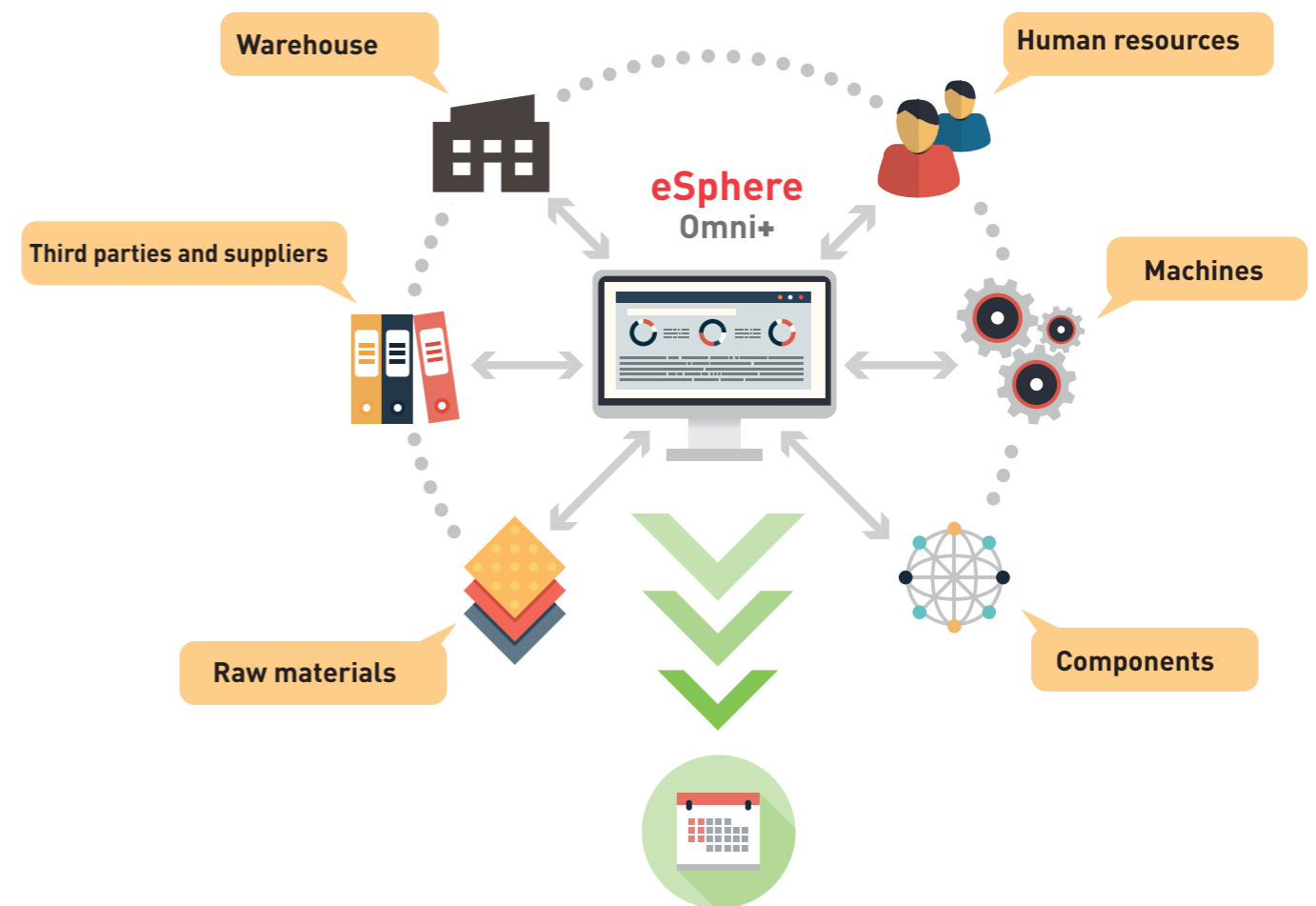
The central module of the eNX Suite

Software for planning Finite capacity orders

Thanks to the **Omni+ algorithm**, **eSphere** lets you plan production while synchronising it with supplies, therefore maximising **production efficiency**. In the **eNX** environment, in fact, Finite capacity scheduling is performed through the integrated dynamic **MRPII** (Manufacturing Resources Planning), which lets you assess the actual ability to **perform the processes** required by the production plan.

eSphere has been designed to **manage production** according to the best Lean Manufacturing theories and to **enhance the performance** of companies through its multiple features:

OPTIMISED PRODUCTION RESOURCES MANAGEMENT



DELIVERY DATE ORDER

» **Interactive Gantt**

» Finite capacity **scheduling of production orders** and **display of the workload** distributed on the various resources, according to their **actual availability**

» **Dynamic** use of component availability

» **Multi-pallet** resource management

» **Multi-link and multi-level management** of processing orders (priorities and sequences)



TECHNOLOGY, SPEED, NAVIGATION, INTUITIVE GRAPHICS AND FUNCTIONALITY

Technology, speed, navigation, intuitive graphics and functionality are the features that make **eSphere** the **reference tool** for simple and effective management of the company's production.

A systemic approach that brings with it **a host of benefits** of primary importance for a company:

KNOW THE CHANGES IN PLANNING IN ADVANCE

eSphere allows for production to be managed in a flexible manner: it is in fact possible to know the future impact of every single change carried out on planning in advance and in a few seconds:



« **Comparison** between scheduling with standard times and **times actually detected**

« Possibility to **perform simulations**

« Omni+ algorithm with **various optimisation options**: setup, operators, materials, etc.

The **user-friendly interface** has been designed to allow the touch screen to be used and to immediately make any changes. **eSphere** also features several utilities designed to make management of the company's production **as easy as possible**.



INCREASE IN PRODUCTIVITY

BETTER USE OF PRODUCTION CAPACITIES

INCREASE OF ON-TIME DELIVERIES



DECREASE OF STOCKS

REDUCTION OF WAREHOUSE MISSING ITEMS



MONITORING PRODUCTION PROCESSES



MANAGEMENT OF PRODUCTION ACCORDING TO THE PRINCIPLES OF LEAN MANAGEMENT

» Tree structures aimed at **researching and finding job orders**

» Detailed view of **all the information** relating to each individual processing order

» **Setup times** management

» Warehouse profile **analysis**

» Departmental and **global indicators**

» **Dynamic** charts

