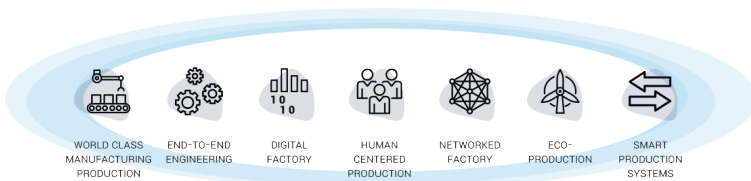# Accelerate transition towards "Factory of the Future" using PlanningForce Manufacturing

## Best in class manufacturers are digitally transforming towards industry 4.0

"Factories of the Future" achieve 7 crucial transformations of production processes . As a result, those manufacturers adopt new management and planning methodologies & tools.



WORLD CLASS MANUFACTURING PRODUCTION | END-TO-END ENGINEERING | DIGITAL FACTORY | HUMAN CENTERED PRODUCTION | NETWORKED FACTORY | ECO-PRODUCTION | SMART PRODUCTION SYSTEMS

## PlanningForce can be a powerful enabler and multiplier in this digital transformation

PlanningForce deals concurrently with both typical physical assets constraints (machinery, workstations, cobots, warehousing space, …) and integrates constraints specific to human beings such as competence and experience profile, learning curve,  location preferences, schedule constraints… As such, it can be a powerful enabler either to help plan the journey or to get the best utilization of resources in this digitally transformed environment.
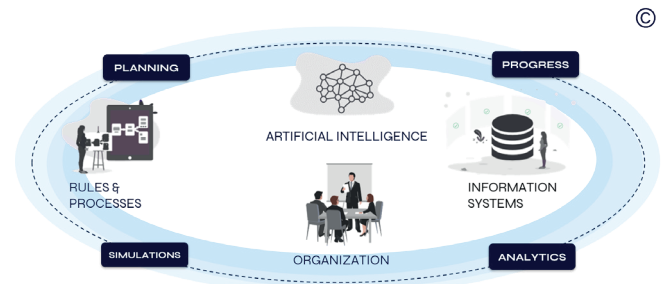
## 3 pillars support the "Factory of the Future": the model, the scheduling intelligence and the data system

**The model** of your business operations helps creating simulations and managing activities and resources from sales to operations in an automated, integrated and collaborative way.

**The scheduling intelligence** leverages powerful algorithms to help distributing and optimizing the flow of operations all along the value chain, taking into account capacity constraints, prioritization, incidents, costs, etc.

**The data system** helps linking and orchestrating the exchanges between objects, human beings and information systems (e.g. ERP system).

## Decision Intelligence powered by PlanningForce

©



PLANNING | PROGRESS | ARTIFICIAL INTELLIGENCE | RULES & PROCESSES | INFORMATION SYSTEMS | SIMULATIONS | ORGANIZATION | ANALYTICS

**Planning Force**

# Industry Leaders Leverage PlanningForce Manufacturing to Achieve best in class Supply Chain and Operations Planning

## Customers in Automotive, Vehicle, Machinery & Equipment as well as in the Aerospace & Defense industry raise their performance with PlanningForce

PlanningForce has developed deep industry knowledge and expertise working with clients such as Bridgestone, Liebherr, Sonaca, Punch Powertrain, and others… Close collaboration with many clients helped to find ways to best address their needs & challenges and to develop PlanningForce Manufacturing.

## STAS achieves greater commercial agility and reliability

PlanningForce builds a much stronger connection between sales & operations. Its very quick planning engine and seamless connection with the ERP system enables to accelerate timing feasibility confirmation in the sales process to near real time and to reliably meet promised delivery timing.

## New Lachaussée optimizes supply operations and cost with PlanningForce at the heart of the system

PlanningForce provides a complete view of the production schedule short and mid term and supports lean processes. Making the link with the MRP solution enables to optimize supplies procurement schedule reducing cost and inventory levels.

## Mecar improves capacity utilization and reduces cost and the need for temporary resources or subcontracting

PlanningForce Decision Intelligence & planning capabilities help to optimize the use of limited valuable human and physical resources. This allows better capacity utilization within site and across multiple sites in periods of fluctuating demand and reduces the need for subcontracting and temporary workforce.

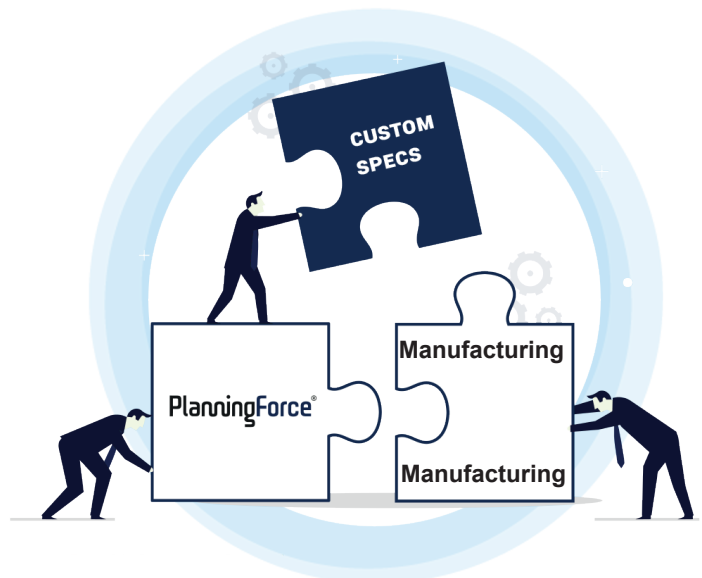## Nexter Systems identifies bottlenecks and informs smart commercial policy and investment plans

Understanding mid term resource constraints and available capacity, makes it possible to define commercial policies and/or tactical product offering that will maximize capacity utilization. For the long term. This understanding of bottlenecks allows to identify required investment in physical and human capital (recruitment, training) under various demand scenario and to build a sound investment strategy.

## Enable analytics & ongoing improvement

Results of ongoing measurement of actual operations performance at a granular level and simulations outcomes can all be fed into a data warehouse. This data warehouse can then be the base for powerful operations analytics that will nurture an ongoing performance improvement process.

## Leverage PlanningForce Manufacturing use cases to speed up implementation

Every client is unique and the implemented solution will be adapted to each client reality. The accumulated industriy experience is reflected into PlanningForce Manufacturing use cases.

FACTORY OF THE FUTURE

**STAS**®

FACTORY TOURNAI

WINNER OF THE 2019 AWARD

Stas, a European leader in the manufaturing of trailers, recently won the 'Factory of the Future Award' and reckons PlanningForce implementation contributed to this achievement.

The use of PlanningForce as central planning system, integrated with the ERP and other Information System tools, made it possible to integrate, automate and optimize key processes and management flows (sales, production, resources, procurement, logistics, etc) and to achieve a fully automated order to production process, raising commercial effectiveness and virtually eliminating delivery delays.

CUSTOM SPECS

**PlanningForce**®

Manufacturing

Manufacturing

If you wish to discuss how PlanningForce Manufacturing can help you achieve best in class supply chain planning: sales@planningforce.com

TOWARDS FACTORY OF THE FUTURE
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