

Reduce energy consumption and your environmental footprint

Advanced Planning & Scheduling



Productie Proces Automatisering

25 januari 2024 | Van der Valk Hotel, Vianen

Introduction

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Trusted experts for manufacturers worldwide



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What is going on?

**Manufacturing is
on the move !**



The future of Manufacturing and Supply Chain collaboration



Get 5% discount for order arriving 3-3.30 PM tomorrow!

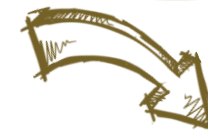
Customers influencing by specific offerings



Drone Delivery

Customers placing or rerouting orders by mobile phone

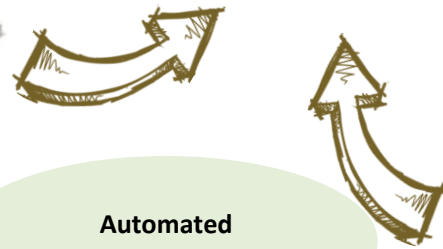
Real-time replenishments calculation



Automatic reconfiguring of network



Real-time reschedule



Automated Warehouses

Real-time ATP process

Autonomous trucks

Predictive Shipping



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do you still use a spreadsheet to schedule?

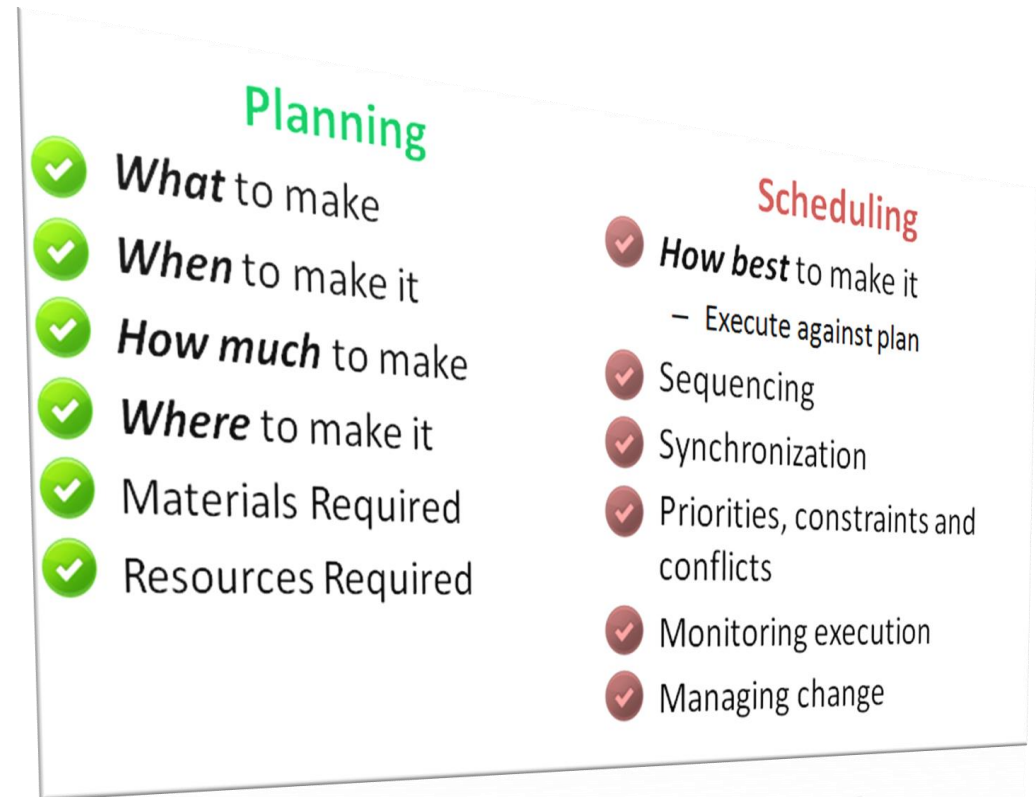


**DISPARATE!
OUTDATED!
DISCONNECTED!**



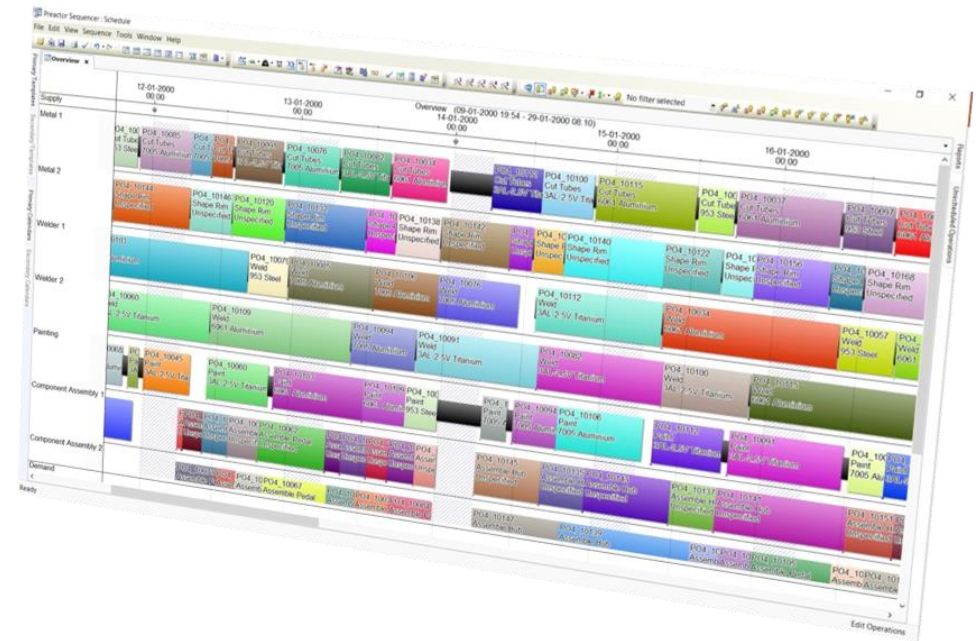
Difference between Planning & Scheduling

- Planning is meant to decide which products need to be produced to fulfil the future demand.
- Scheduling is meant to decide the sequence in which the products should be produced.



Planning

- Instead of producing a new batch indicated by “Kanban” or “MRP and minimum stock levels” production suggestions are created if the products are needed in the near future;
- Manufacturers will only use resources like machines, manning and energy if there is a need;
- Less waste by using the right planning;
- In case the manufacturer has multiple plants, Advanced Planning can also be used to assign the production to the plant which is located nearby the customer to avoid unnecessary transport.



Scheduling

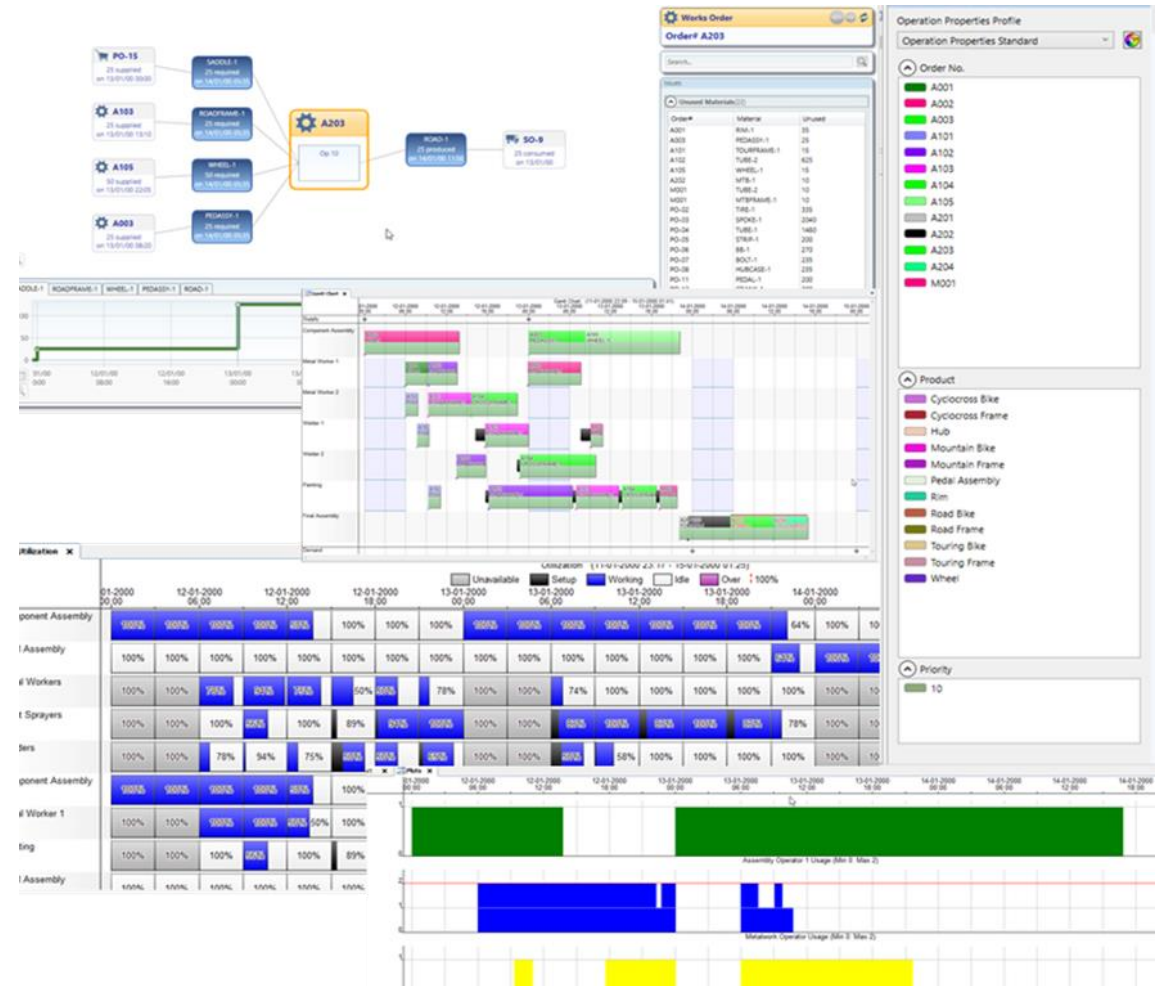
Besides the sequence manufacturers are able to achieve a lot of sustainability improvements:

- Energy usage is predictable and peak usage of energy can be avoided
- Improved resource utilization, use the machines in a more effective way results in less waste
- Reduce the production of waste due to changeovers (plastic extrusion)
- Reduce unnecessary cleaning activities
- Lowering stock levels (just in time deliveries)
- Less rush deliveries (air-freight instead of sea-freight).



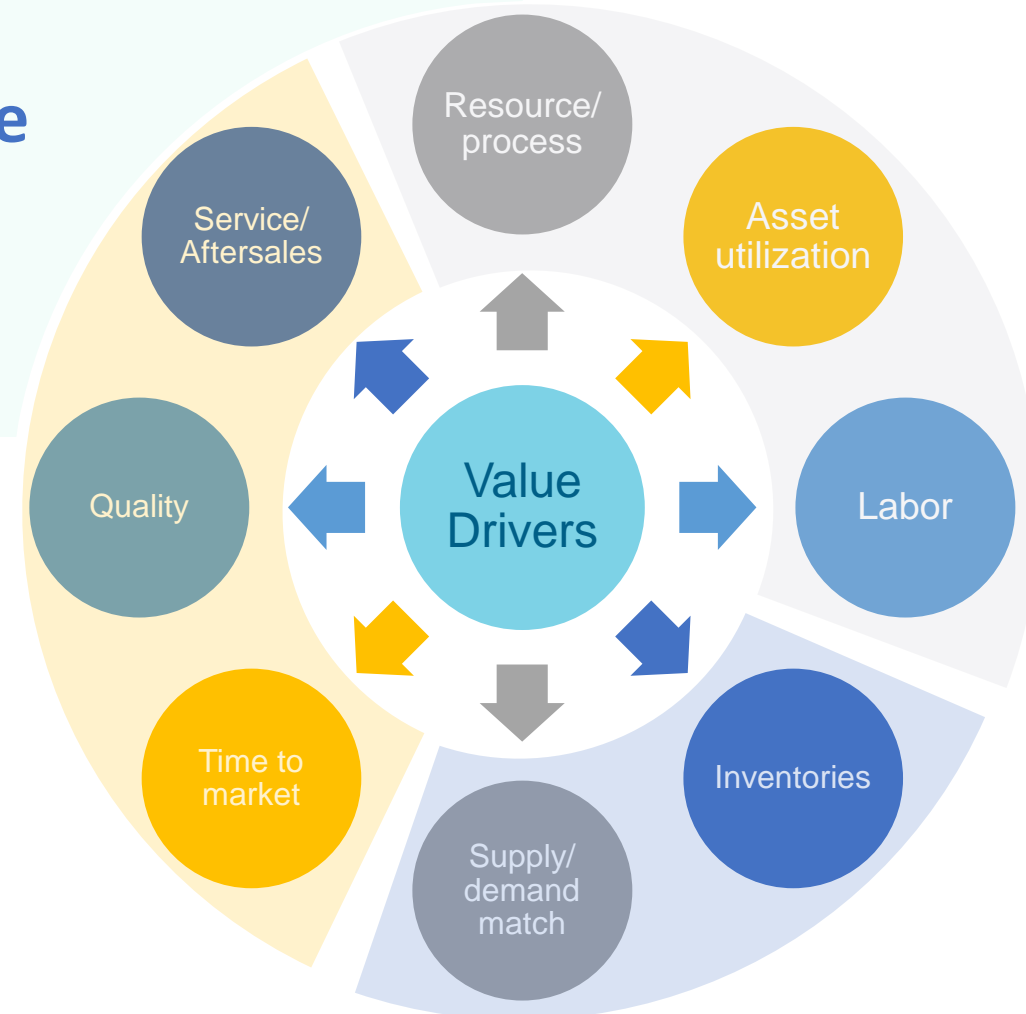
Planning & Scheduling in FMCG

- More control over quality means less waste
- Improved resource management and energy efficiency
- Energy saving measures are introduced



Benefits of APS

APS brings tangible benefits to your value drivers



Improvement in customer service

Improvement in productivity

Resource allocation and tool utilization increase

Easy bottleneck detection

Fast and frequent reschedule to meet production deviation

WIP reduction

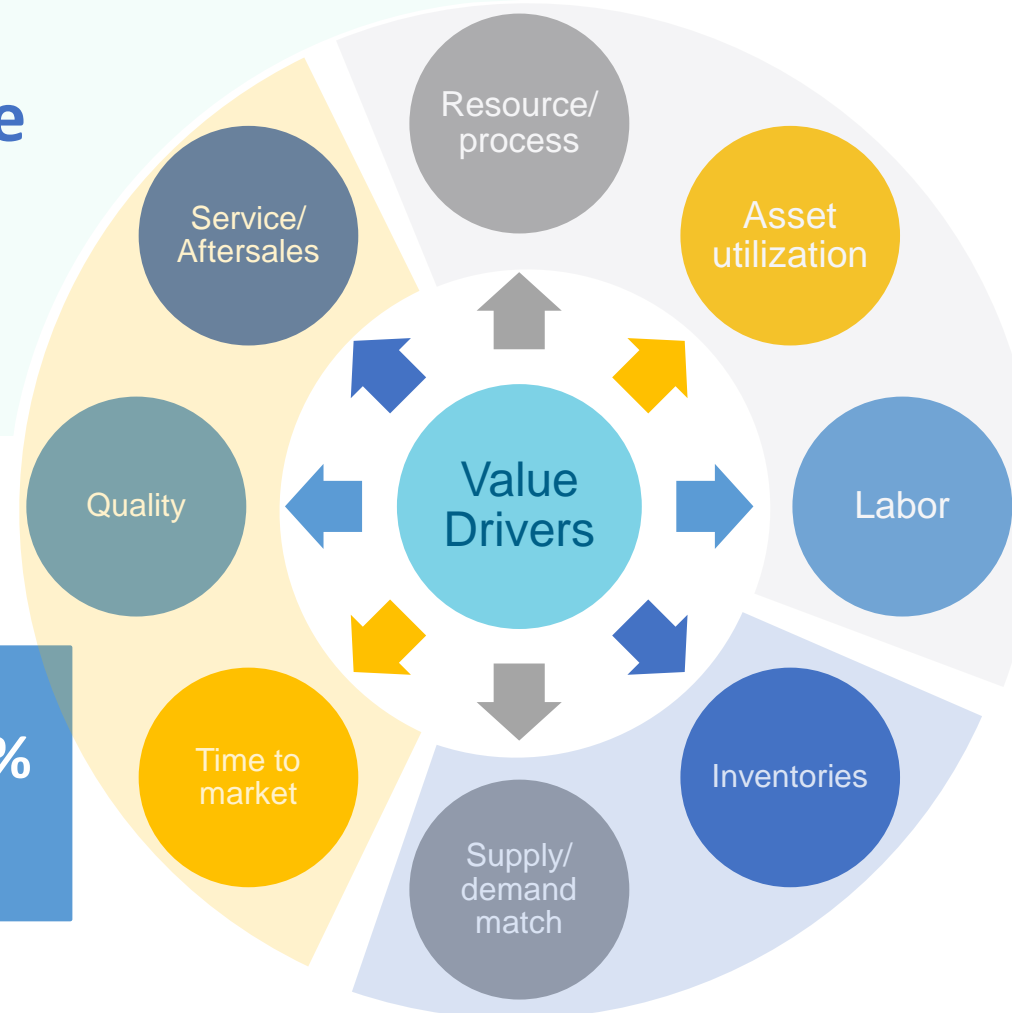
Raw Material Inventory Reduction

Knowledge sharing and collaborative environment



Benefits

APS brings tangible benefits to your value drivers



Improvement in customer service
Increase on-time deliveries
50-90% (*)

Improvement in productivity
25% (*)

Cycle Time Reduction
Reduce WIP that slows down production
25% (*)

Reduction in raw materials inventory
Synchronize purchasing with an achievable schedule.
50% (*)



Planning & Scheduling ensures sustainability and reduces costs

- Provides insight into the entire supply chain
- Ensures a more efficient supply chain (improved transport and km efficiency)
- Reduction of energy costs
- Carbon reduction
- Waste reduction

By investing in APS it is possible to achieve a significant improvement in the supply chain and achieve sustainability goals without this being at the expense of quality and customer satisfaction.



Savings?

Do you want to reduce your energy consumption as well as your environmental footprint?

We welcome you at our stand where we can demo you how we can support you!



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