Production Planning with Certainty using Opcenter APS

Presentation by:
Greg Way and Billy Weir

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simulation solutions

Traditional tools used for scheduling production lines

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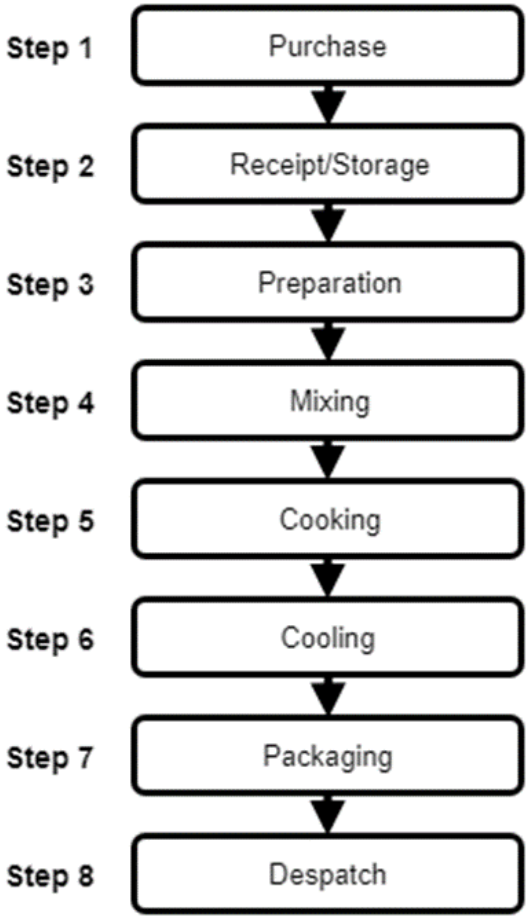

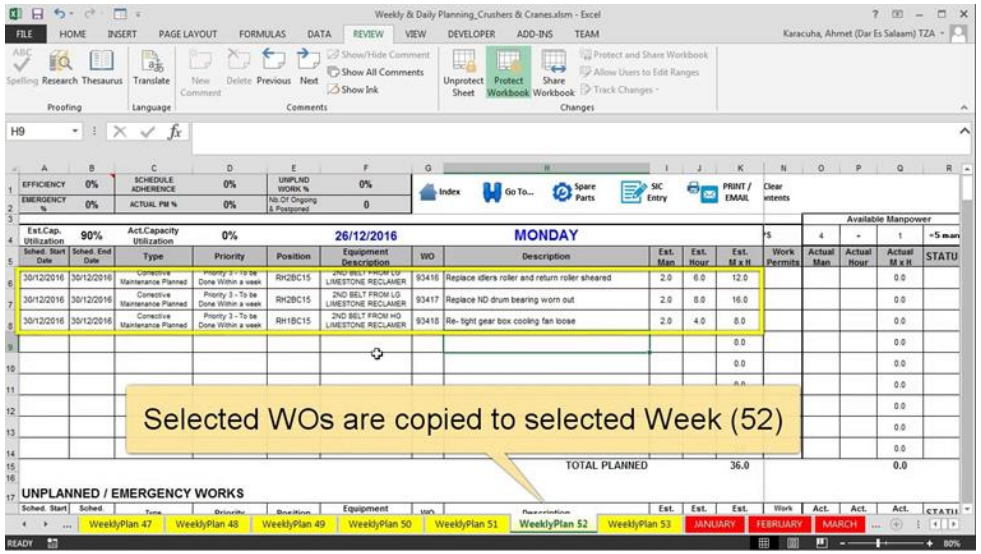

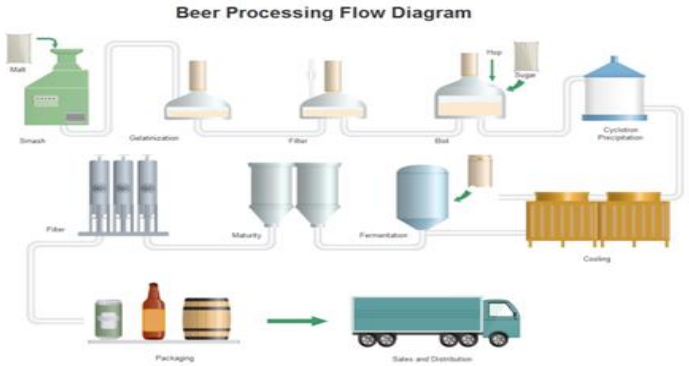

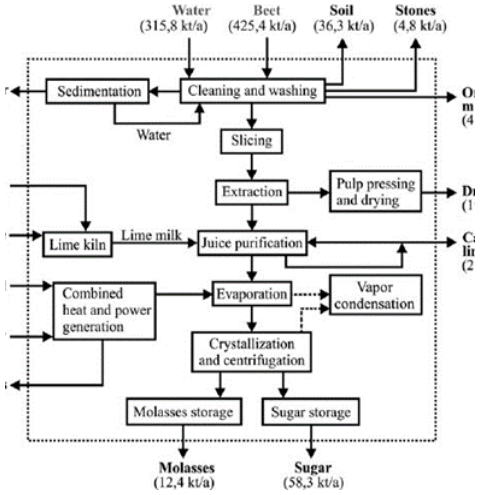

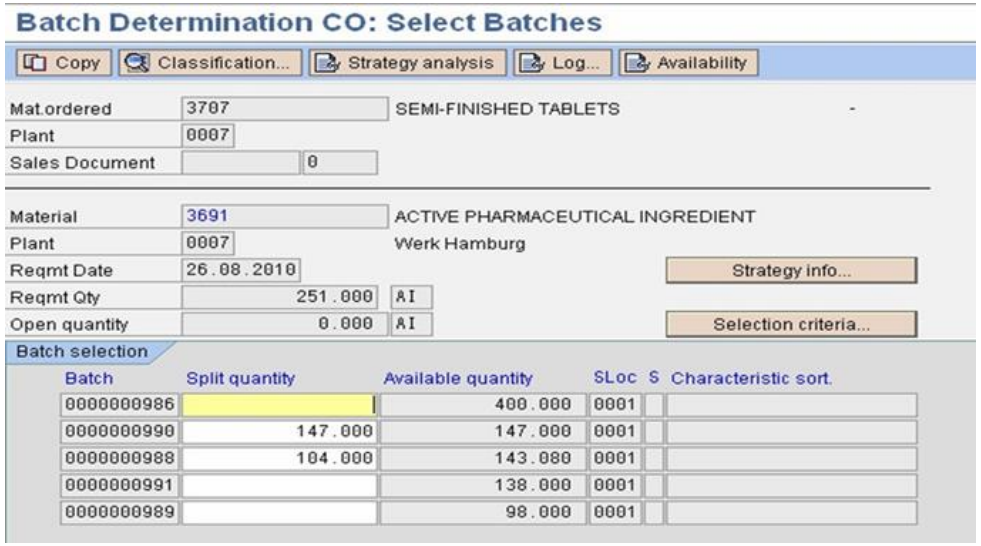

Traditional tools used for scheduling production lines

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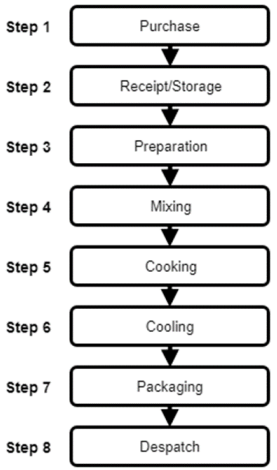
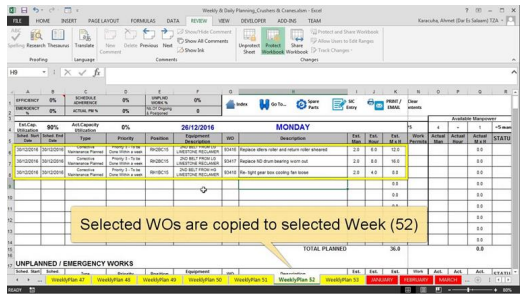
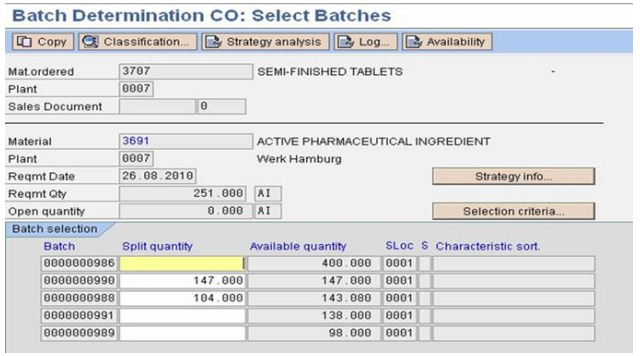
Finger in the air (it feels right to me)

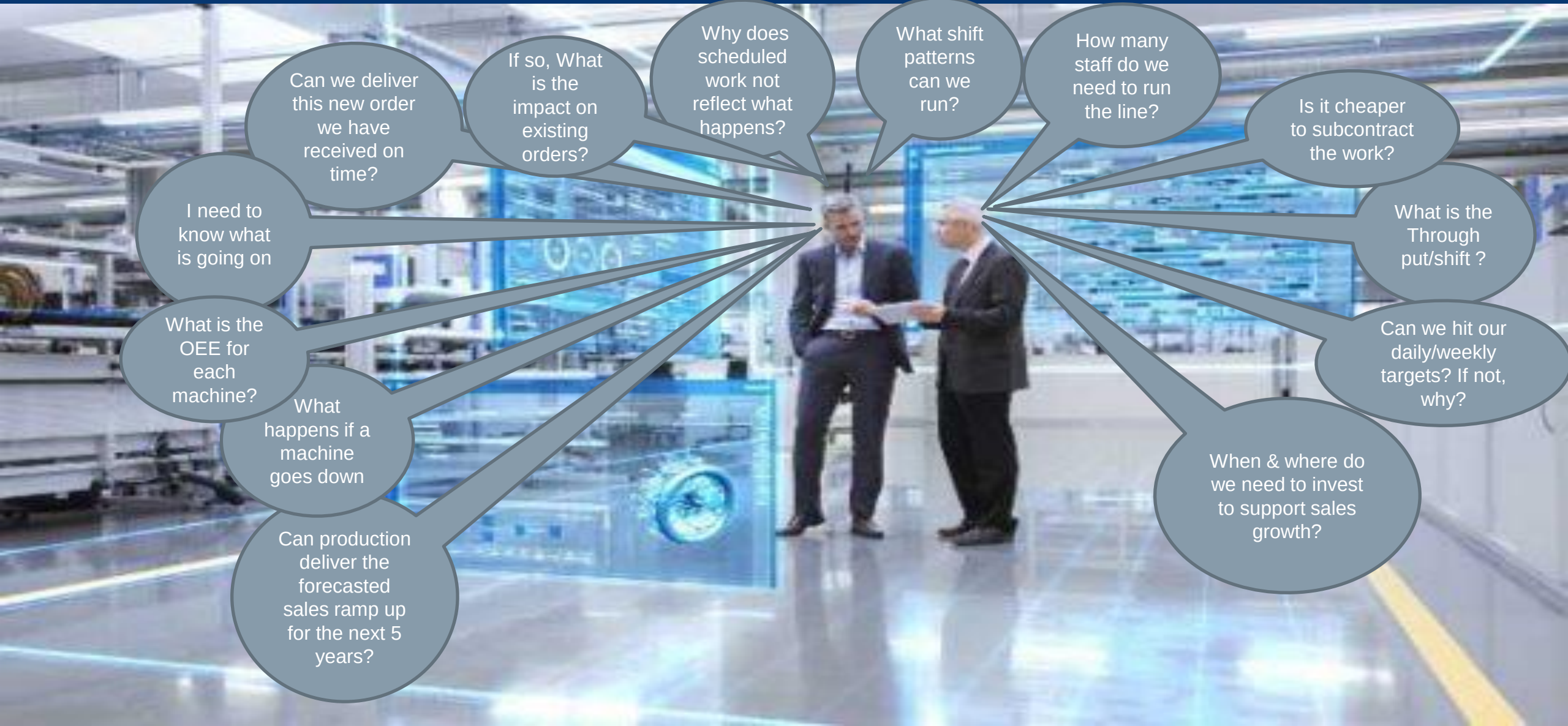






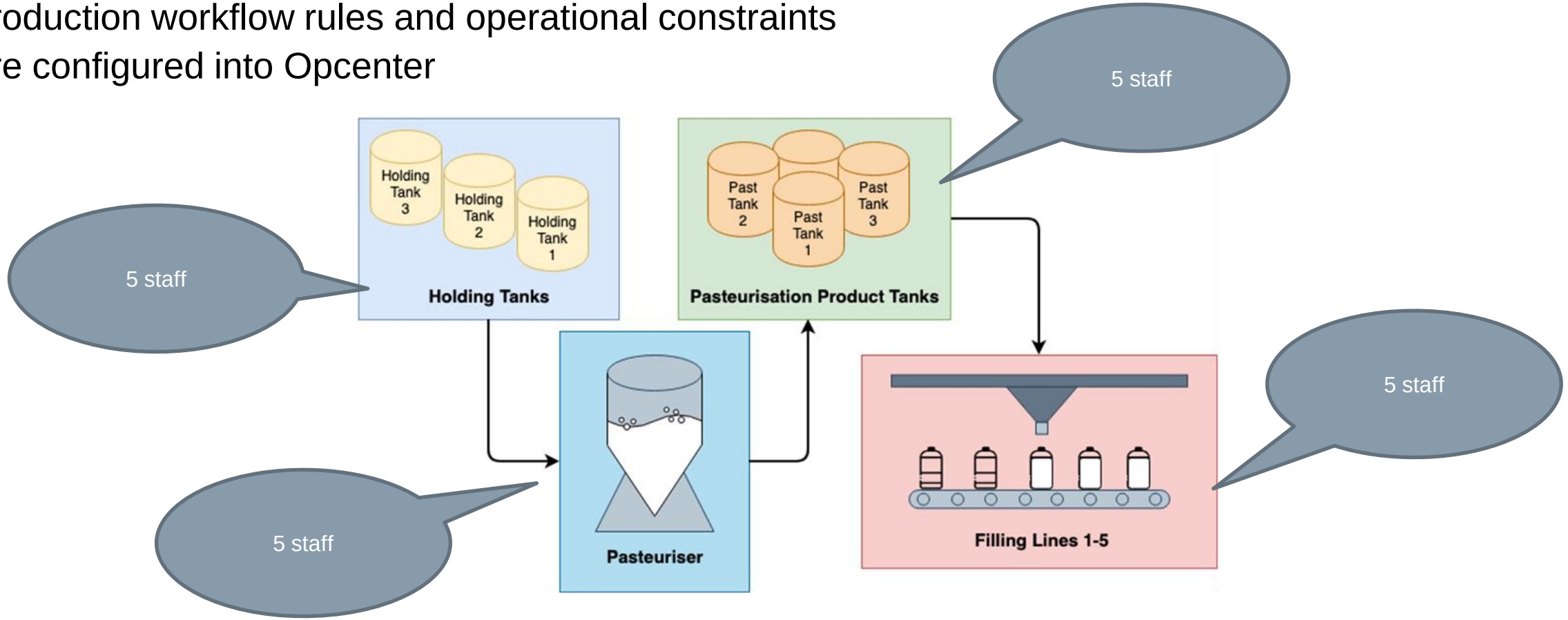
And let’s hope it’s right

Tough questions – Tough decisions…..



Introducing Siemens Opcenter Scheduling

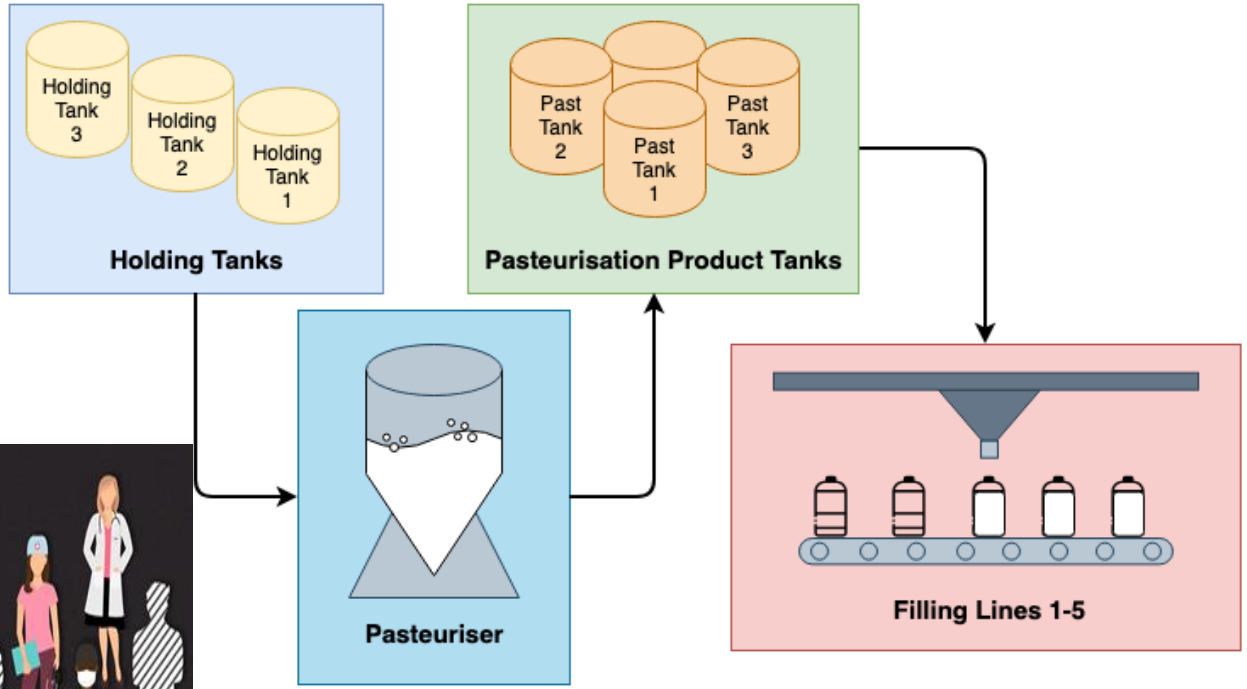
Opcenter is configured to follow a company's production workflow rules and operational constraints are configured into Opcenter



For this presentation, our Opcenter schedule is for a 12-day production run

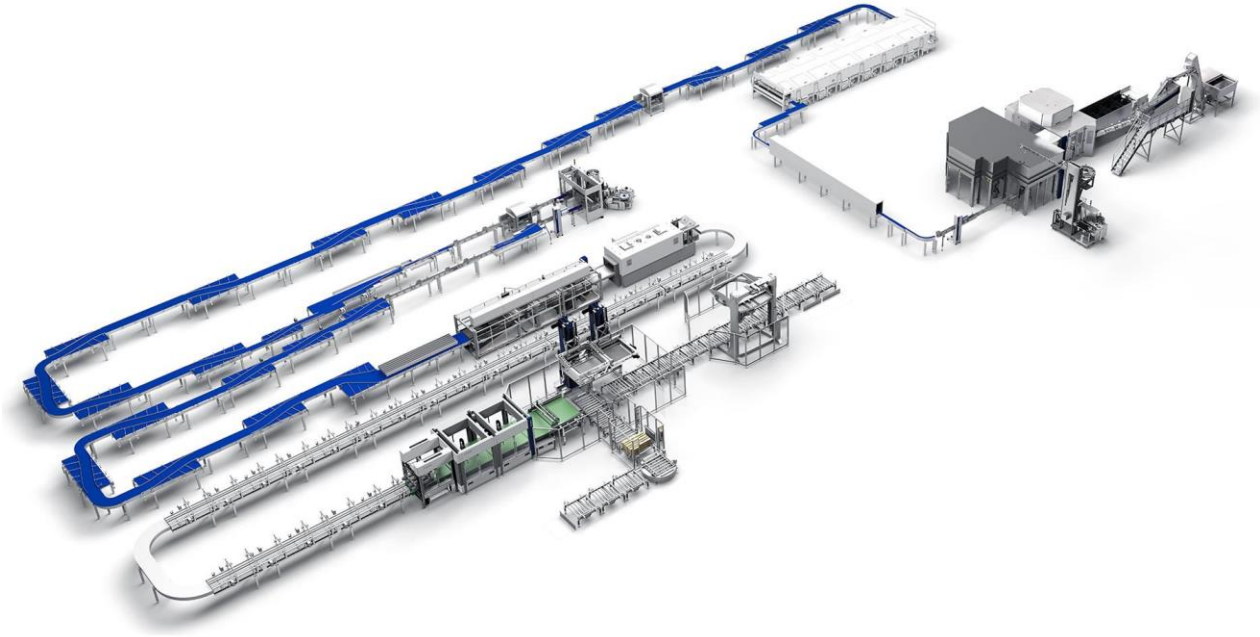
Issue No 1. Headcount

‘My production line team are down by 2, which orders can we push through the remaining team today?’ - key workers are off, so the original planned day’s schedule cannot be followed



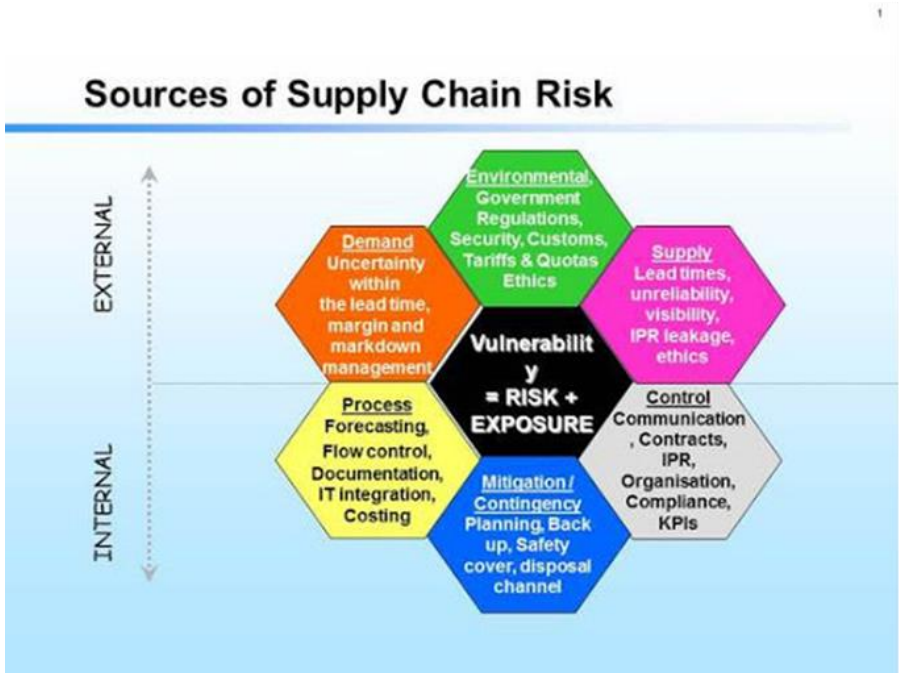
Issue No 2. Machine Breakdown

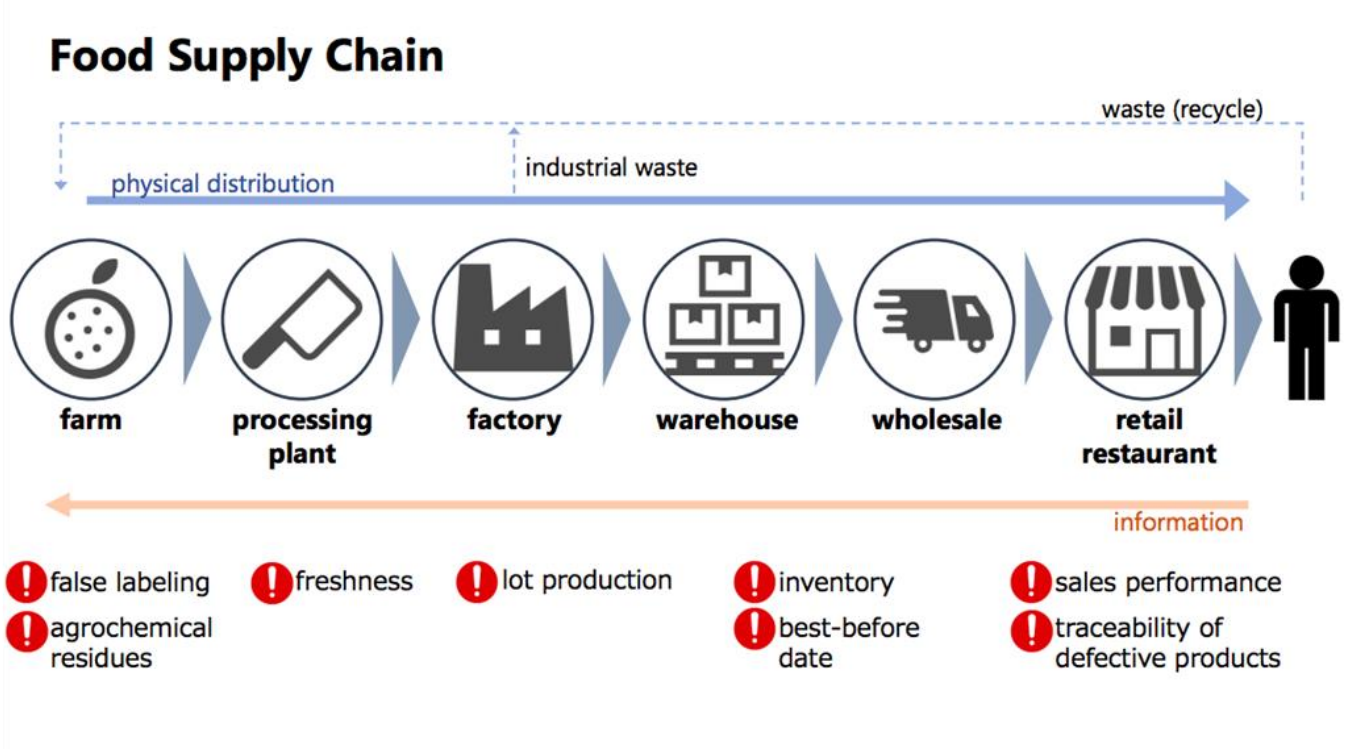
‘A machine has gone down and I can’t get replacement parts or an engineer on site to fix it because of the external visitor restrictions onsite – how does that affect what we can produce?’



Issue No. 3 Stock Ingredients Shortage

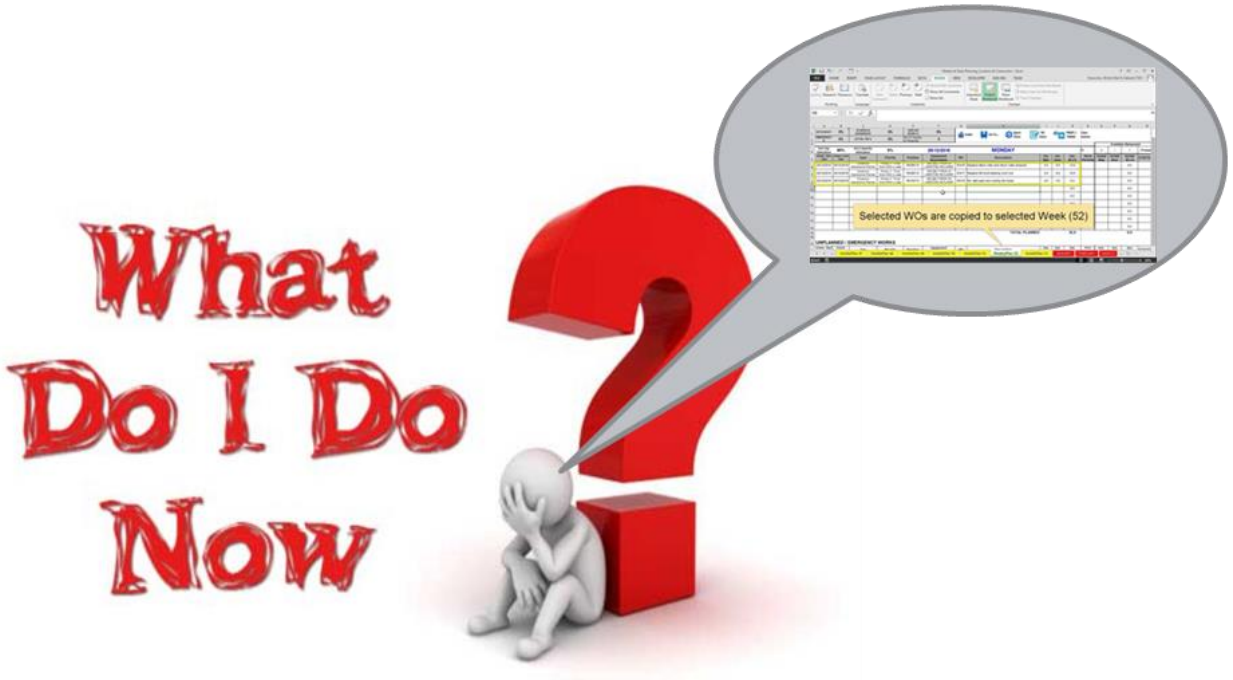
‘The ingredients/materials are not available to follow today’s production schedule – what else can we make until they become available?’





Issue No 4. Prioritising Orders

‘We need to bring this order forward – can we do it?



Issue No 5. Managing shop floor efficiency

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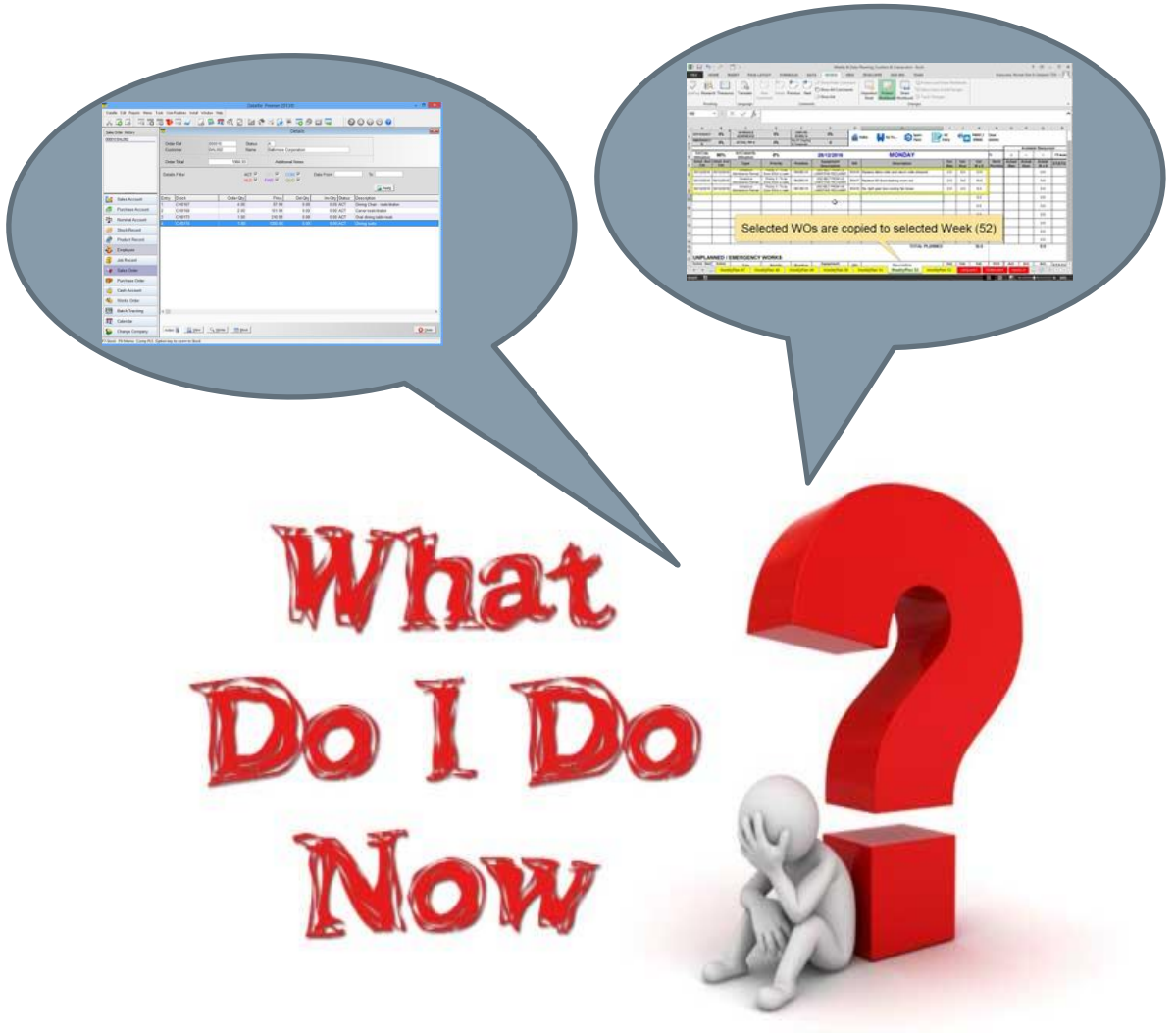
‘We need to allow more time on the shop floor to allow for training new staff, how will this impact on our ability to delivery customer orders on time?’

Issue No 6. Order Enquiry – Capable to promise

‘We’ve got this potential order coming next week can we fit it into our existing plan!!!???’

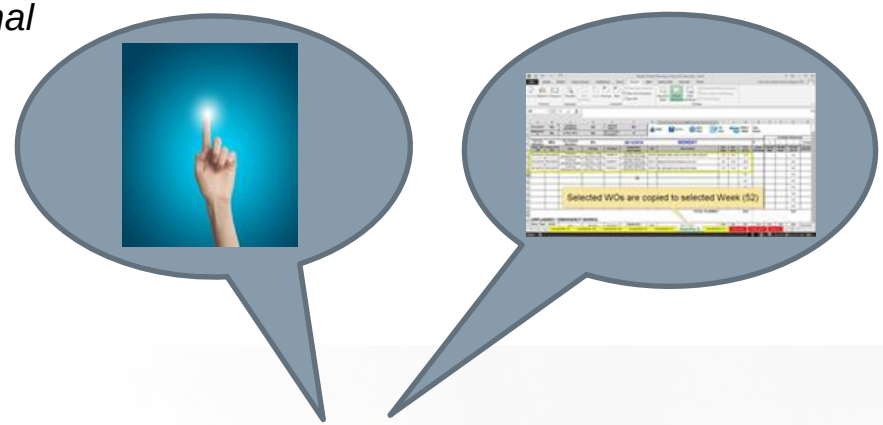


To summarise

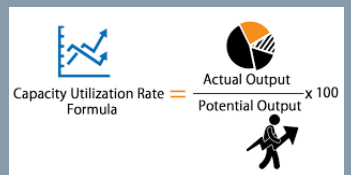
Using Opcenter Software helps companies -

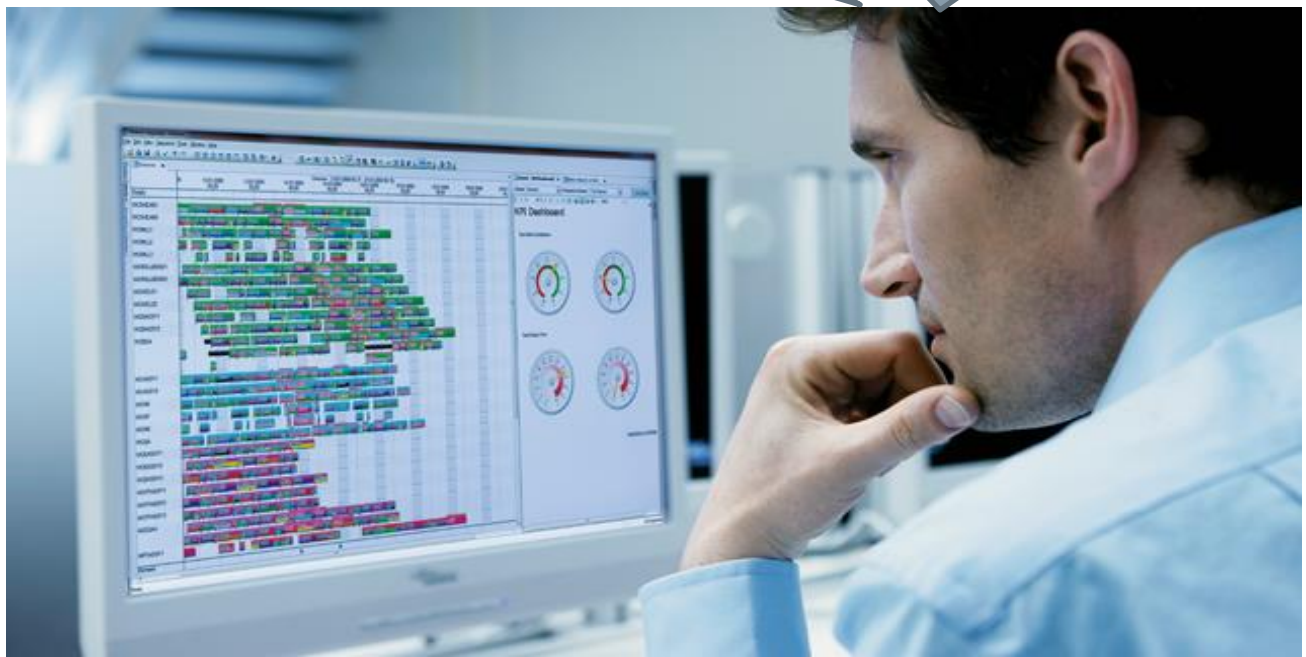
Utilise available machine capacity and resources in the most effective way to meet production demands

Traditional



Industry 4.0





Thank you for listening

Any questions?

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