



# British Telecom

#### **Demand Driven Journey**

5<sup>th</sup> July 2017





#### Agenda

- The case for change
- Simulation and pilot
- Scaling to an enterprise level
- Developing DDS&OP
- Takeaways & next steps







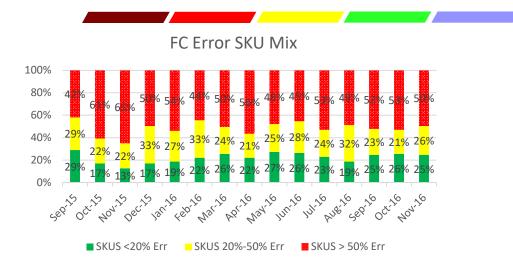
### A bit about us.....

- Multiple supply chains
  - Consumer B2C 25-30k orders/day
  - Consumer B2B 2.2million deliveries & returns/year
  - Field based engineering 28k engineers, 10-15k orders/day
  - Copper cable manufacturing 1.5million km/year
  - Spare parts provision
- A complex distribution network
  - 2 National distribution centres
  - 96 forward stock locations
  - 13 transport hubs

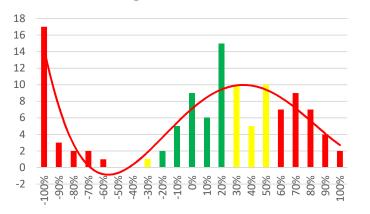




## The case for change



Rolling 3 Month FC err %

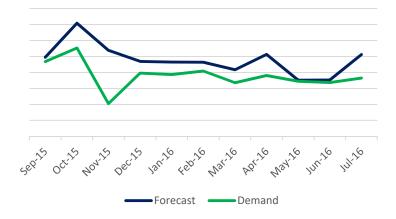




Forecast Accuracy

- Not great at the mix level
- Tendency to over forecast But....
- As many under forecast as over forecast items





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### The solution

Improve forecast accuracy......

"If I had asked people what they wanted, they would have said faster horses"

• Henry Ford

*Or.....* 

#### Attend a CDDP training course







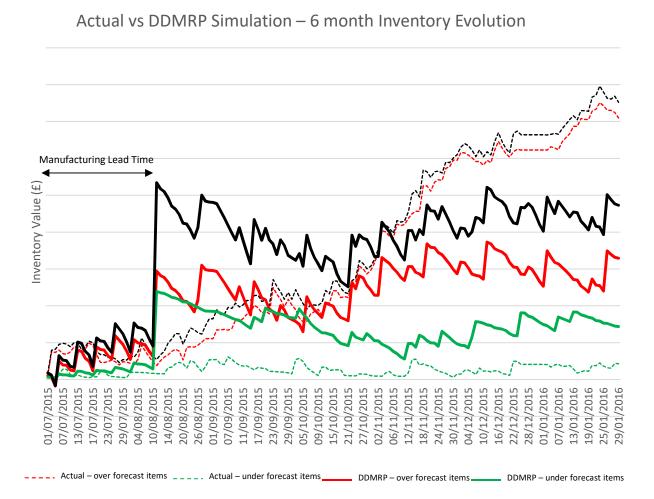
#### Testing the theory with a simulation

Simulation model built using 6 months history of actual daily orders

Two groups of SKUs from the same family modelled that had been historically over and under forecast but at the aggregate level had excellent accuracy

#### RESULTS

- Stock is in balance and total inventory is halved
- NOT Dependant on Forecast so decoupled from forecast error
- NO Service issues
- LESS Inventory
- STABLE load on factory
- NO costs of failure



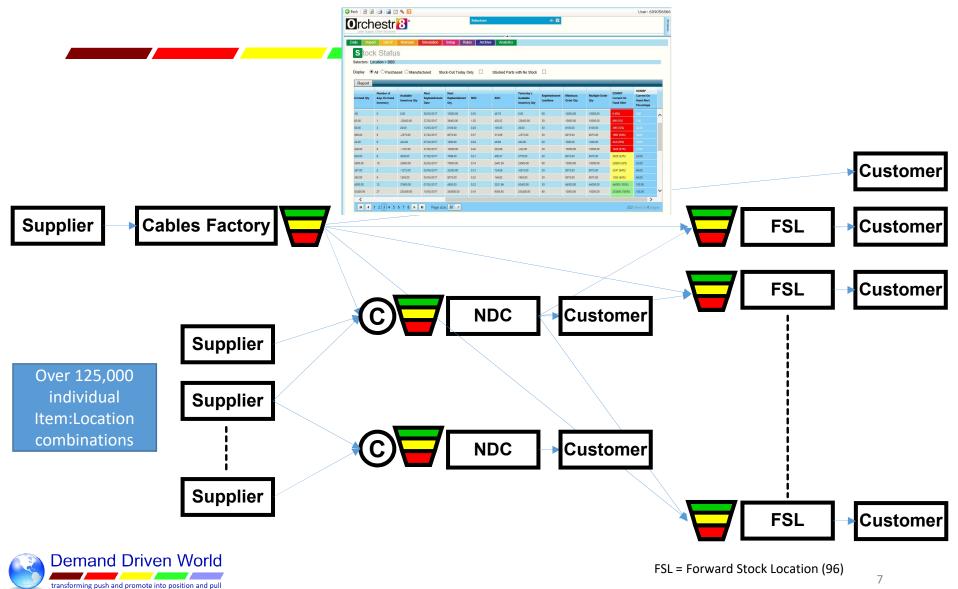


\_\_\_\_ Actual – Total items

DDMRP – Total items

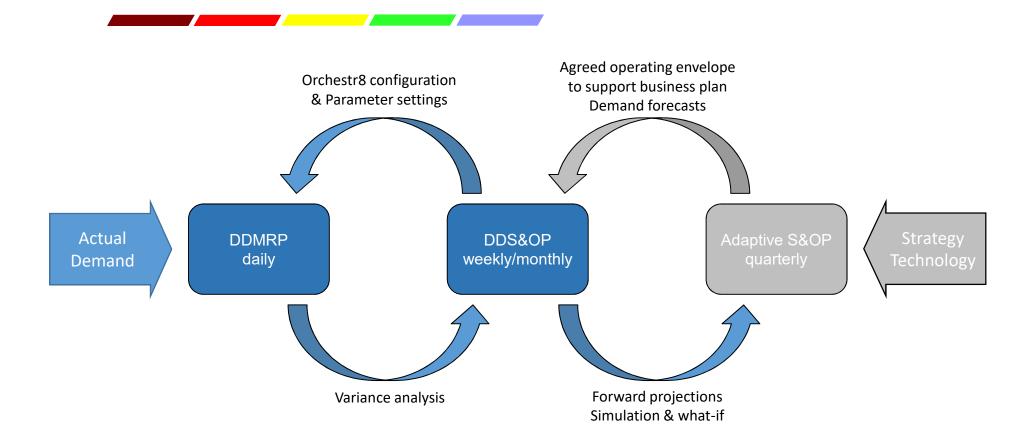


#### Scaling to an enterprise level





### DDMRP is just the start – Developing DDS&OP







### Takeaways & next steps

#### Demand Driven has and is delivering

- Supply chain 'de-risked' from forecast accuracy
- Strong positive impact on cash flow and ROCE
- Maintained or improved service levels
- Overall inventory reduction typically between 20%-30%
- Release of supply chain capacity by not producing, buying and storing the wrong stuff
- Cost reduction lower planning effort with improved outcomes – lower expedite costs

#### **Next Steps**

- Continue to develop our flow based metrics and reporting
- Engage with suppliers currently demand pull turns back to forecast push at the supplier / BT interface
- Orchestr8 and our DDS&OP process ensure we have the operational and tactical relevant ranges covered – next step is to link in to the strategic relevant range
- Continue to invest in education and development

