



Pilot 1: AUTOMOTIVE “Collaborative Production Planning and Synchronized Replenishment of Car Components”

C2NET OPT Demo



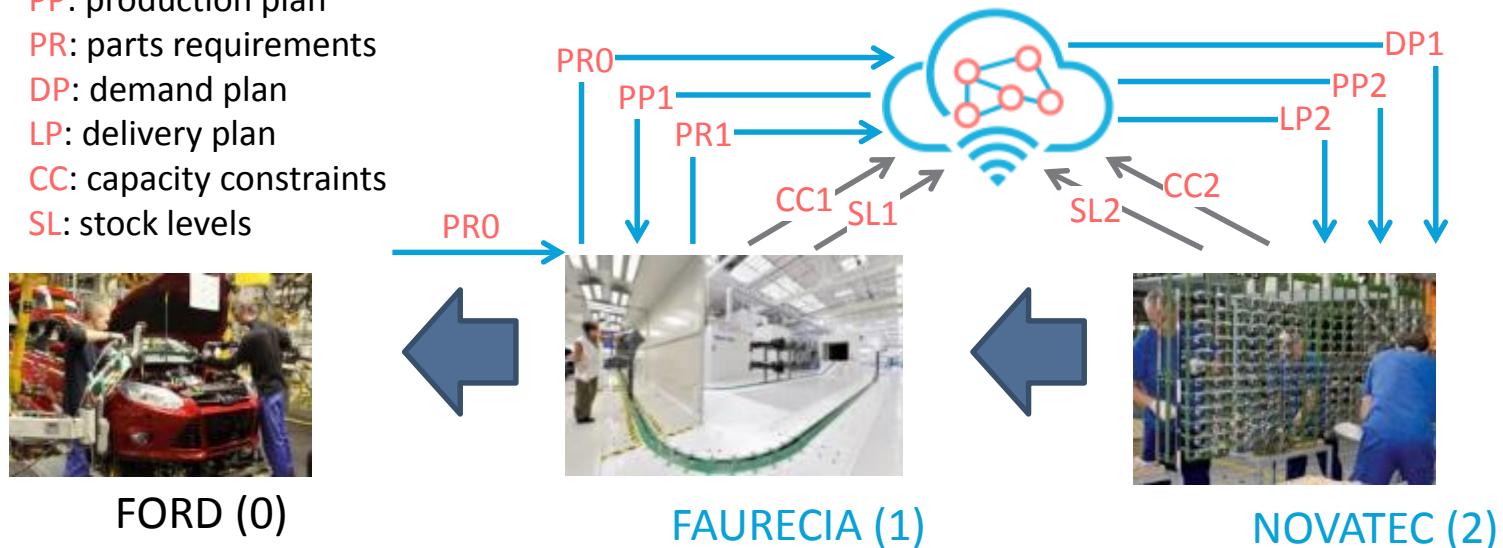
Pilot 1: Use Case Overview

Pilot AUTOMOTIVE (Assembler < 1st Tier Supplier < 2nd Tier Supplier)

- “Collaborative Production Planning and Synchronized Replenishment of Car Components”

FAURECIA will use the C2NET cloud infrastructure, platform and software to perform collaborative production and replenishment planning with NOVATEC.
FAURECIA and NOVATEC will share relevant information and will use the C2NET advanced algorithms to optimize production, supply and replenishment plans.

PP: production plan
PR: parts requirements
DP: demand plan
LP: delivery plan
CC: capacity constraints
SL: stock levels



FORD (0)



FAURECIA (1)



NOVATEC (2)



Company Overview



Manufacturer of small pieces for the automotive industry by thermoplastics injection moulding, supplier of FAURECIA.



1.- Feeders



2.- Injection



3.- Control



4.- Assembling



5.- Auditory



6.- Packaging



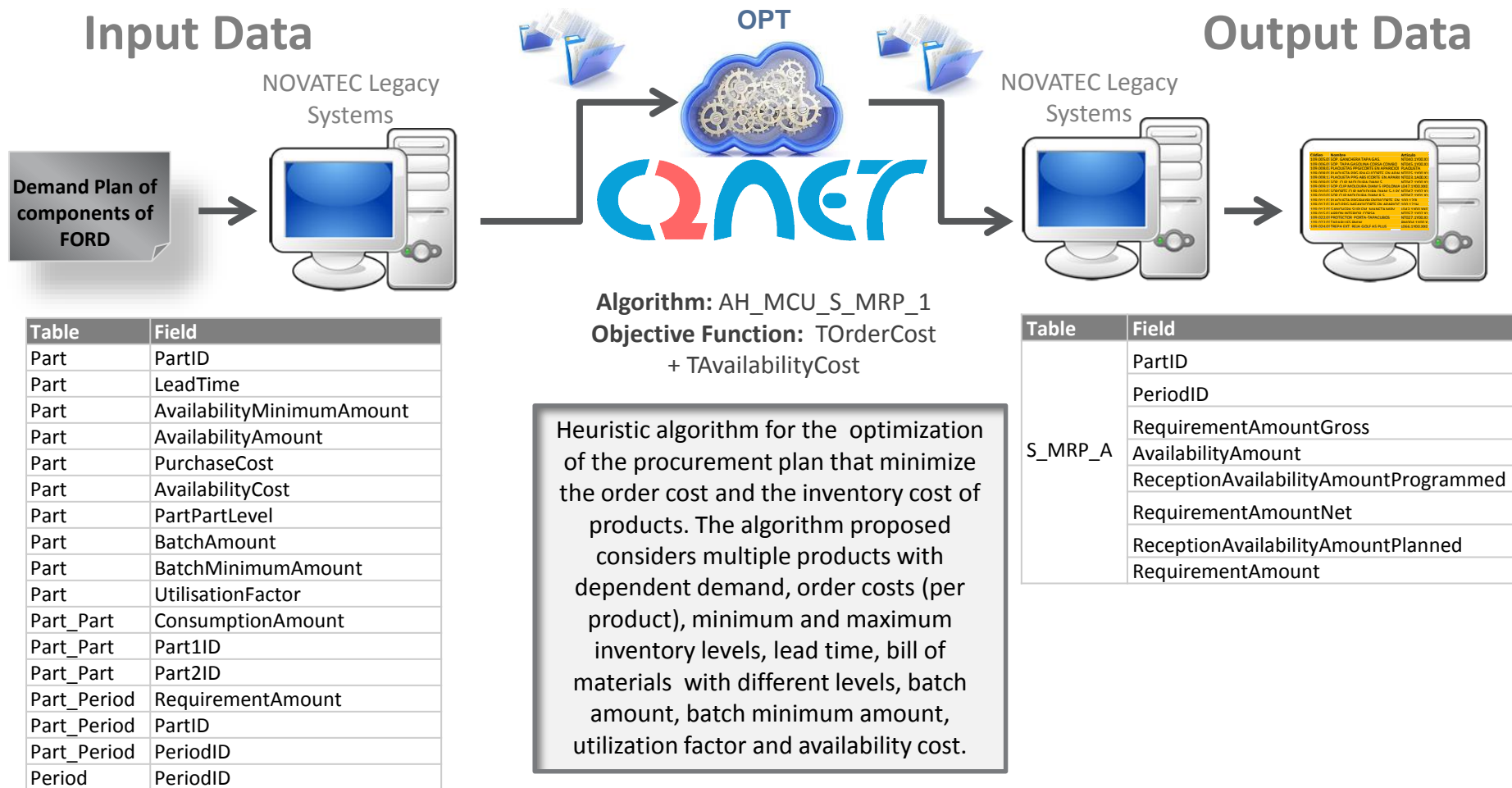
- FUEL FLAPS AND FILLING SYSTEMS**
- Audi – Q7, A5, Q5, A4 limo, A4 Cabrio, SBack
 - Ford – Transit, Fiesta
 - BMW – S7
- LIGHT FILTERS**
- Audi – A6
 - Volkswagen – Golf, Scirocco
 - Porsche – Cayenne
 - Seat – Leon
 - BMW – S3
- WHEEL HUBS**
- Ford
 - Audi
 - Citroën
- WINDOW HANDLES**
- Ford
- ENGINE COVERS**
- Ford
- CENTRAL CONSOLES**
- Ford
- 2-SHOT AIR VENT FLAPS**
- Mercedes
 - Opel





The Optimization Problem

Optimisation of NOVATEC Procurement Plan





The Optimizer

OPC UI - Mozilla Firefox

OPC UI PM UI

localhost:9000/opc.html

Cloud Collaborative Manufacturing Networks (C2NET)

Optimization Problems Configuration > Visualize/Edit

Network:

Company:

Show entries

Search:

Active	State	Name	Description	Plan Type	Plan Subtype	Objective Function
No data available in table						

Showing 0 to 0 of 0 entries

First Previous Next Last

New
Delete
Visualize/Edit