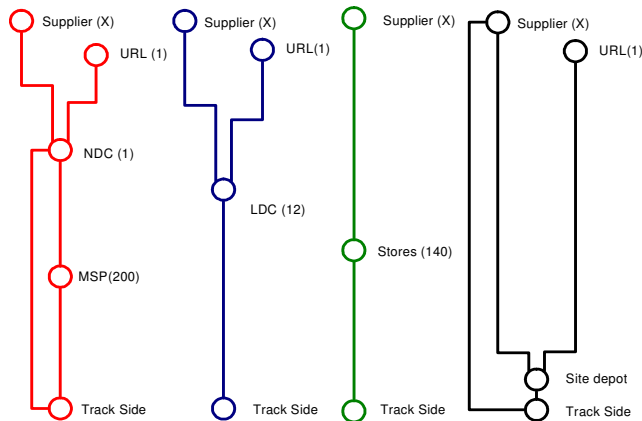




Project Synergy

Supply Chain Network



Unipart studied Network Rail's whole supply chain and identified where significant benefits could be realised.

Network Rail have ambitious plans to improve the UK rail infrastructure. Central to these plans is the concept of the '24 hour railway', i.e. one that is constantly available. At the same time there is a strong drive to:

- Reduce costs
- Increase availability
- Lower stock investment
- Improve sustainability.

With these objectives in mind and as a precursor to detailed process design and systems implementation Network Rail contracted Unipart (in preference to other, more well known consultancies) to undertake an analysis of their whole supply chain. The Key factors in making this decision was Unipart's practical experience of the railway industry and similar work carried out for other clients.

The Project Synergy Team, formed by Unipart, consisted of six Unipart Experts who had different areas of expertise, along with 30-40 knowledgeable Network Rail employees that had extensive experience dealing with the Network Rail supply chain.

Tasks undertaken by the joint team included:

- Project initiation
- Data collection and validation
- Model building (facility, transport and inventory) and testing
- Extensive scenario appraisal
- Transition planning
- Generation of business case.

■ Industry Sector

UK Infrastructure.

■ Issue

Network Rail were looking to reduce their maintenance costs for the UK rail network .

■ Solution

Unipart conducted in-depth scenario definition and modelling to help Network Rail realise monetary savings.

■ Benefits

This helped to ensure Network Rail improved its product availability and service, and increased its knowledge of its supply chain.

The Results

In conjunction with Network Rail a large number of possible supply chain scenarios and 'what-ifs' were generated. These were modelled by Unipart and the results 'sense checked' by the client.

All results were documented and formed the basis of Network Rail's supply chain strategy and tendering process.

Implementation of the project is on-going but it has demonstrated that significant savings are available throughout the supply chain.

Unipart has also delivered similar benefits to other blue chip organisations such as Jaguar and Shell.

Areas that were covered in the project :

- **Supply chain inventory:**

Review of where to hold each part (tier and location) and how much of each part is required.

- **Transport:**

Review of mode, type of vehicle and delivery scheduling.

- **Infrastructure:**

Review of space required, location and storage methods.

- **Process concepts:**

Review of who should do what and when, including benchmarking productivity.



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