

Railway Project Example

Case Study

The Challenge:

- Congested railway with growing demand
- Conflicts between passenger and freight services
- Programme and budget constraints to achieve with an overall budget of approx. £270m
- Large group of stakeholders with misaligned needs / wants.

Solution:

- Full Value Management life cycle approach adopted, working collaboratively with key stakeholders to drive up value including:
 - Output Definition (Critical Success Factors, Stakeholder Needs, Function Analysis, early Risk identification)
 - Optioneering – filtering and selection of optimum options
 - Value Engineering – driving efficiencies realisation
 - Lessons Learned – exploring successes and issues to enhance future projects.

Results:

- Successful delivery of capacity and journey time improvements
- Hand back and commissioning was achieved to milestone
- The project was delivered sustainably with CEEQUAL achieved
- New technology introduced – more digitisation
- Whole life Operating Expenditure benefits achieved.
- Value Engineering capital investment benefits of approx. £27m, i.e. delivery of savings on the budget of 10%

