



Engineering Design Delivery Controls Case study

KEY DELIVERABLES:

- **Implementation** of Electronic Data Management System “Projectwise” across multiple organisations.
- **Design and delivery** of best practise process modelling for project design delivery using a shared EDMS.
- Projectwise and Design Delivery Process **training and support**.
- Projectwise configuration to allow capture of project specific design metrics.
- Design and delivery of a fit-for-all Design Delivery report
- Implementation of “ComplyPro2” online compliance tool across multiple organisations

KEY BUSINESS CHALLENGES:

- Multiple organisations involved in the design delivery process and **no standard** agreed process or systems.
- Historic methods **fundamentally paper-based**
- Each organisation maintaining their own design delivery reporting data, resulting in **multiple versions of the truth**
- **Lack of a robust method of reporting planned versus actual** design deliverable submissions
- **Providing Assurance** that client’s engineering requirements being met by design delivery

BUSINESS OVERVIEW:

Network Rail is a private limited company, formed to manage and revitalise Britain’s railways. The **North London Line Project**, the largest of the 2012 suite of projects; tasked with delivering **increased commuter capacity** to North London for the 2012 Olympics and beyond. Network Rail’s North London Line Project tasked **tusp** with **designing and implementing** a set of Engineering **Design Delivery Controls** for them and their

THE SOLUTION:

- **Uniform, controlled method** of design delivery, review and approval.
- Established recognised **“Single Source of Truth”** between all organisations for design delivery
- **Centralised Electronic Data Management System** for sharing design information, latest version
- **Workflows** for controlling access to designs
- Integration of ‘actual’ design delivery data with ‘planned’ P3e Programme design delivery data in a **cradle-to-grave design delivery reporting solution**
- **Progressive assurance of compliance** with the client’s engineering requirements specifications via regular compliance updates and reports (using ComplyPro2)



“tusp effectively implemented the use of both Projectwise and Complypro2 on the NLRIP Programme thru concept and training to routine use; the two systems and their outputs have since been referred to as a benchmark in the Investment Projects function”

- Tony Hollinshead, Programme Engineering Manager (Network Rail 2012 Projects)