



TATA S1 and S2

Client

Ciena
(Ultimate client: TATA S1 S2
UK and Spain)

Timescale

June 2015 –
September 2015

Disciplines

Transmission



Subsea and terrestrial

Services Utilised

- Project Management
- Engineering Documentation
- Installation
- Testing
- Commissioning

Customer Objective

To implement an international network between the USA, London and Spain made up of 5 amplifier sites and 6 submarine landing stations.

Project Overview

Comprising 11 sites in total, with 2 in the US, 2 in Spain and 7 in London, the Network was built over existing TATA (TATA Communications Global Network) TGN Atlantic and TATA TGN Western Europe cable systems. Utilising Ciena Flexgrid technology to increase capacity by up to 30%, this was a greenfield deployment on a dark fibre pair.



“Linbrooke’s work on this project and some of my other projects is greatly appreciated. Their diligence and positive attitude makes working with them a pleasure and the work is more accurate and done efficiently.”

Linbrooke Project Scope

As the main service partner to Ciena, we provided a full turnkey project delivery that included the installation, test, commissioning and project management across all locations and delivery partners.

This high profile project to upgrade the TATA network involved coordinating Engineers in Spain UK and USA. Full capacity testing was done on the network showcasing the ability of Ciena equipment to deliver the required capacity for TATA's future needs. Managing changes to the project scope, we also documented all critical changes in the deliverables and maintained responsibility for warehousing, logistics and the staging of all customer supplied equipment.

As part of the equipment installation, commissioning, testing and acceptance, our additional scope of works included:

- The provision of an installation design package
- In-station commissioning tests
- Installation of all Ciena materials
- Delivery of all installation materials to all sites
- Installation and labelling of all cables, racks and shelves
- Segment commissioning and node verification
- Run and termination of Direct Current (DC) power feeds from the customer's Battery Distribution Fuse Board (BDFB) to Ciena equipment
- Site to site link adjustments
- Full capacity testing to demonstrate possible capacity on the network
- End to end network testing and confidence trial

Benefits of working with Linbrooke

Employing constant dedication, collaborative enterprise and over 2 decades of transmission experience, all works were completed within the desired timescales and fiscal parameters to the satisfaction of the client.

To ensure successful project delivery, we consistently provide:

- A strong, project management team who understand the complexities of large projects and are able to deliver in a timely manner
- An experienced support team who deal with day to day issues - from technical problems to site access requirements
- The ability to adjust to project alterations rapidly – and provide alternative solutions when required
- A highly skilled and experienced work force
- A detailed understanding of the technical scope
- An impeccable safety record
- Strong relationships with a number of industry experts

For further information on this project or to discuss world class telecoms, power and signalling solutions, call us on **08448000983**

visit our website at **www.linbrooke.co.uk**

or email **info@linbrooke.co.uk**

Linbrooke Services Ltd

Unit 2-4
Sheffield Business Park
Churchill Way
Chapelton
Sheffield
S35 2PY



www.linbrooke.co.uk