

Independent Certifier Mission: Northwest metro of Sydney

Customer : TfNSW (operator)
Place of execution : Sydney (Australia)
Project duration: 2014 - 2019
Team : 1 Project manager and 7 assessors



PROJECT'S DESCRIPTION:

The North West Rail Link (NWRL) Project is a vast, and complex project which final objective is to provide Sydney, and New South Wales, with a major system. The Client, Transport for New South Wales (TfNSW), subdivided the NWRL project in three main contracts; a Civil Works one for civil engineering & viaducts, a Civil Works for tunnels & stations, and a Public-Private Partnership (PPP) contract for the trains' and systems' operation. TfNSW also made contractual agreements with several stakeholders in order to facilitate the delivery of the NWRL project.

The SYSTRA / GHD Joint Venture is involved in the Certification Mission within the PPP contract for the Design, Manufacturing & Delivery Liability Period (DLP) phases.

The project includes:

- 23 km of track works and 8 new stations
- 13 km of existing upgraded lines with 5 upgraded existing railway stations, from Epping to Chatswood
- 20 new trains
- The fully automated railway system in Australia
- NWRL is the biggest common transportation project in Australia, and should be commissioned by the end of 2019.

SCOPE OF WORK:

SYSTRA/GHD has been contracted as an Independent Certifier for the following disciplines:

- Operation & Maintenance;
- Rolling Stock to CERTIFER
- Workshop & Depots
- Power Supply & Catenary system
- CBTC
- Stations & buildings
- Infrastructure & Civil Works

Key activities within the IC contract include:

Monthly reporting to project stakeholders on project progress and key risks;

Elaborate a risk-based system approach for verification, monitoring and reporting activities;

Issue of Independent Certifier Certificates for around 800 technical design packages covering the scope of works during the 3 stages of the Design phase (Preliminary, Substantial and Final);

Monitor/certify key surveillance during the construction phase until the testing and commissioning of the line.

The Independent Assessment leads to the issuing of a judgment, distinct & independent from any personal design, development or operating system, showing that this system meets all the contractual requirements.