Westpac Charter House

Project: Westpac Charter House
Client: Hawkins Construction
Location: Auckland
Contract Value: NZ $3.1m

DESCRIPTION

In late 2007 Electrix Electrical Services Division won the tender with Hawkins Construction for the electrical works on the construction of Phase One of the Westpac Bank's new Britomart Corporate Headquarters, Westpac Charter House.

In January 2008 electrical work was carried out on the three level basement car park, and on completion moved to the new construction of the eight level integrated main building. This work incorporated the historic Charter House and the E. Tingey & Co Building. At completion this complex is the first part of the new headquarters for Westpac Banking. The electrical construction period of twelve months covered the base build and a very detailed client specific fit-out to achieve 4 Star, Green Star rating.

SCOPE

The electrical works included the supply and installation of UPS systems, Generator back-up systems for a 100% building load (1250 kVa), and general and feature lighting through a mixture of presence and lux level sensors to control lighting levels on each floor.
Power systems included large capacity switchboards and a specially designed busduct power riser system rated at 1600 amps. This provided the link from the roof mounted generator and the ground level main switchboard to the sub distribution boards.
The installation of the data cabling, MATV, CCTV and security control systems were also part of the electrical scope. This extensive work was carefully coordinated and managed by the site based project management team.

VALUE TO CLIENT

Extensive commissioning work was undertaken to determine the final building power load and ensure that the systems were correctly sized and balanced to enable full backup operation under emergency generator power.
The design developed and changed during the construction to allow incorporation of precise and specific client requirements. These changes were managed in conjunction with the main contractor, engineers, consultants and client to achieve a building with complex electrical systems and fittings which incorporates aspects of both heritage and new technologies.