

Westpac Charter House

Project: Westpac Charter House
Client: Hawkins Construction
Location: Auckland
Contract Value: NZ\$3,100,000



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.

Electrical works started in January 2008 on the three level basement car park, then on 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 in 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.

The electrical works included the supply and install of UPS systems, Generator back-up systems for a one hundred percent building load (1250 kVa), 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 roof mounted generator and the ground level main Switchboard.

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 base project management team.

Extensive commissioning work was undertaken to determine the final building power load and that the systems were correctly sized and balanced to ensure the full backup operation under emergency generator power.

The design developed and changed during the construction to ensure the precise and specific client requirement could be incorporated. 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 both aspects of the heritage and new technologies.



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