



CASE STUDY

Christchurch Hospital

Canterbury

District Health Board

Te Poari Hauora ō Waitaha

ABOUT

Canterbury DHB is focused on creating a health system and community where people take greater responsibility for their own health, stay well in their homes and communities, and receive timely and appropriate care.

THE CHALLENGE

Christchurch Hospital's Acute Services Building (ASB) required 2 x 22,000 litre fuel storage tanks and 4 x 1,200L day tanks to supply the generators and boilers respectively for the hospital. As specified by regulations the tanks all had to be 4-hour fire rated. The aggregate quantity of all tanks above 500 litres need to be fire rated according to WorkSafe legislation.



2 x SuperVault cylindrical 22,000L tanks
4 x SuperVault rectangular 1,200L tanks
1 x DC50 5,000L fuel tank



CASE STUDY

Christchurch Hospital



THE SOLUTION

The tanks chosen for Christchurch Hospital were 2 x SuperVault cylindrical 22,000L tanks and 4 x SuperVault (rectangular) at 1,200L and lastly a DC50 5,000L fuel tank. Fuelchief worked with a host of consultants over a period of years to ensure each tank had the necessary fittings and optional requirements needed for resilience in the field. A concern primarily was to meet legislation and comply for such a critical building situation. This project ensured the tanks were IL4 seismic engineered and rated with additional requirements to be capable of meeting the California Shake Table Test.

THE RESULTS

Over the course of two years the tanks have been in place and the commissioning continues to be underway. Such is the complexity of some projects.

SUPERVAULT CYLINDRICAL

- Capacity: 2,400L-110,000L
- 4 Hour Fire Resistant
- Multi Hazard Test: 240/240/240 Rating
- Can Be Customised
- Multiple Storage Uses
- Easily Transportable
- 30 Year Warranty
- Interstitial Monitoring
- Superior Thermal Efficiency