

KLH®

PROJECT

ST ALBANS COMMUNITY CENTRE

LOCATION

Christchurch,
New
Zealand

STATE-OF-THE-ART CENTRE WITH RESILIENCE

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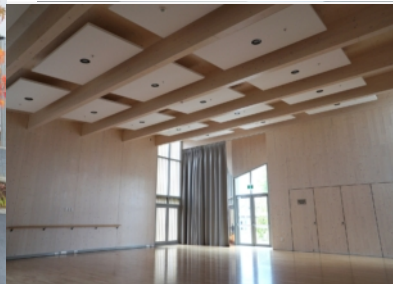
In the aftermath of the 2011 earthquake, efforts were initiated to revitalize the core of Edgware Village. This resulted in a state-of-the-art facility designed to serve as a beacon of community spirit and resilience. From multipurpose halls to meeting rooms, offices, and a fully-equipped kitchen, every detail was meticulously planned to foster connectivity and provide essential comforts for all. The innovative design seamlessly blends functionality with aesthetics, creating a space that is as inviting as it is practical. The building, necessitated to be lightweight due to poor geotechnical soil conditions, uses KLH® – CLT as floor and primary as wall structure, minimizing deflections and eliminating the need for a secondary

structure. Internally, KLH® – CLT is exposed to enhance vapor permeability and provide an attractive, durable finish. With heat pumps, LED lighting, and passive solar design principles, this centre is not just a building – it's setting a new standard for environmentally conscious architecture. Its flexible, modular design and lightweight construction ensure it is built not just for today, but for generations to come.

PROJECT INFO

Volume of KLH® – CLT: 1.893 m² / 203 m³
Stored Carbon: 155 tonnes
Regrowth time in Austria: 3 minutes

PUBLIC BUILDINGS



ARCHITECT

Christchurch City Council

ENGINEERING

PTL | Structural & Fire

BUILDING CONTRACTOR

Watts & Hughes Construction

PHOTO CREDITS

Crispin Schurr