

**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 Edgeware 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 m<sup>2</sup> / 203 m<sup>3</sup>  
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