

# Case Study

## Cardboard Cathedral, New Zealand



### Univox® products used

SLS-300XF, Super Loop System®  
25 mm Copper foil

### Responsible companies

Audio Products Group, Australia  
Christian Resource Centre,  
New Zealand

#### Bo Edin AB

Sweden and International Sales  
+46 (0)8 767 18 18  
info@edin.se  
www.univox.eu

#### UnivoxAudio Ltd.

UK Sales  
+44 (0)1707 339216  
writeto@univoxaudio.co.uk  
www.univoxaudio.co.uk

**The Cardboard Cathedral in Christchurch, New Zealand**, is the transitional pro-cathedral of the Anglican Church opened in August 2013. The site, on the corner of Hereford and Madras Streets in Latimer Square, is several blocks from the permanent location of Christchurch Cathedral, which was significantly damaged in the 2011 Christchurch earthquake. The Cardboard Cathedral was designed by architect Shigeru Ban and seats around 700 people. In addition to serving as a cathedral, the building serves as a conference venue.

**The cathedral measures** 70 feet (21 m) above the altar. Materials used in its construction include 2 feet (0.61 m) diameter cardboard tubes, timber and steel. The roof is of polycarbonate and is held up by eight shipping containers which form the walls. The foundation is heavily reinforced concrete slab.

**A Univox SLS No-Stop-Loop** design was decided to be the best option, given the heavily reinforced concrete slab in the area where the loop was being installed. Simulation in Univox Loop Designer confirmed that it would meet IEC 60118-4 requirements for frequency response and field strength. The design offers a very uniform field strength level across the listening plane. All loop design work was done by Univox' Australia/New Zealand distributor Audio Products Group. Christian Resource Centre in New Zealand was responsible for the installation.

