

case studies



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'McShed' Distribution Warehouse

Television Installation Services (TIS), one of the UK's leading commercial audio system integrators, has just completed a major FBT Audio Contractor PA system installation into a brand new McDonalds distribution warehouse for client 'Keystone Distribution'.

As part of the £1.5million electrical fit-out, the newly-built 'McShed' replaces the Gillette warehouse originally on the site which was destroyed in the Hemel Hempstead oil refinery explosions in 2005.

Contracted to provide a fully-featured, zoned PA and BGM system throughout the 250,000 sq ft distribution centre, TIS turned to audio equipment supply specialists CIE-Group to assist in the design and implementation of a 16 zone system which resulted in a 42U rack built around the newly-launched FBT Audio Contractor amplification range.

Featuring no less than 6 dual channel and 1 quad amplifier, FBT products were chosen both for their reliability and space saving characteristics within the available rack space.

In addition to the 6 FBT MCA2150 dual channel amps and MCA4060 quad, the rack also features Tuner, CD Player and pre-Amplifier from Inter-M together with a bespoke zone switching unit built in-house by CIE-Group. Zoning is remotely controlled from the main reception area via a bespoke 16 zone + all-call desk paging microphone designed and manufactured by CIE-Group partners Communication Technology.

The TIS installation team, lead by Adrian Mee, completed the PA system with 100v line loudspeakers selected from the IC Audio range. Specifying DL06-165T Ceiling Speakers in the office areas, DK15T Horns in the plant rooms and IP65-rated DAP20 Projectors in the main cold storage areas, the completed system provides high quality voice reproduction to all areas of this acoustically challenging environment.

Final congratulations to the TIS team who, through brute force and persistence (and a bit of dismantling!), manhandled the 270kg rack up the stairs to the second floor plant room!



'McShed' Distribution Warehouse - Hemel Hempstead

Application:

250,000 sq ft, McDonalds cold storage distribution and offices.

Power amplifiers:

- MCA4060 4 x 60W Multi-channel Low Z Amplifier
- LTU 4060 100v Line Transformer for MCA4060
- MCA2240A 2 x 316W Dual Channel 100V Power Amplifier
- MCA2075 2 x 3 75W Dual Channel 100V Power Amplifier
- 4x MCA2150 2 x 150W Dual Channel 100V Power Amplifier

Loudspeakers:

- Ceiling Speakers to office areas
- Horn Speakers to plant room
- IP65 rated Projectors to warehouse areas

Microphone bases:

Bespoke 16 zone and all-call desk paging mic

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