

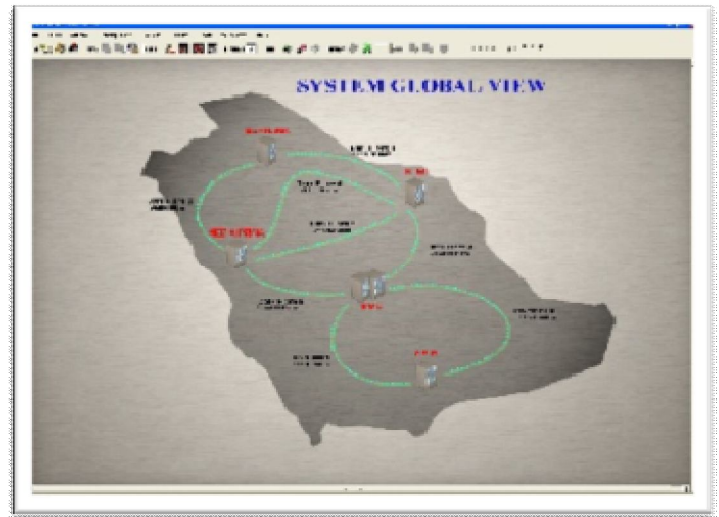
PROJECT LIST

The Supply of Content Reception Facility for TMNet's IPTV Project and The Provision of Works

Being the 1st IPTV operator in Malaysia, TMNet is using Evertz platform to gather their content either from FTA channels or satellite channels.

The project is to transports content for the followings;

- A. Local free-to-air (FTA) channels
 - a. RTM
 - i. RTM1
 - ii. RTM2
 - iii. RTM Muzik Aktif
 - b. Media Prima
 - i. TV3
 - ii. 8TV
 - iii. NTV7
 - iv. CH9
 - c. Bernama
 - i. BRTV
 - ii. News
- B. Satellite Reception - 12 channel



CBJ3 System



IPMC System

Optical Video and –Lband Transport Solutions for Telekom Malaysia's Broadcast and Media Division for TMNet's IPTV system. The system use both DWDM & CWDM fiber technologies to transport various channel from multiple broadcasters and to transport L-band from Cyberjaya satellite farm to TMNet IPMC.

The equipment involve is as below;

- A. FTA channels
 - i. 8 oport SDI Fiber Transmitter & High Sensitivity Receiver
 - ii. 1 port SDI Fiber Transmitter & Receiver
 - iii. HD/SD Modular Bypass Protection Router
 - iv. CWDM Mux & Demux
 - v. DWDM Mux & Demux
 - vi. Ethernet Fiber Transceiver
 - vii. 32x32 SD Topaz Video Router c/w Control Panel
 - viii. A to D & D to A Conversion Module
- B. Satellite channels
 - i. L-Band Satellite Fiber Transmitter & Receiver
 - ii. CWDM Mux & Demux
 - iii. Ethernet Fiber Transceiver
 - iv. 16x1 L-band Switch
 - v. 1x8 Active L-band Splitter
 - vi. 16x16 L-Band Router with Front Control Panel
 - vii.
- C. VistaLink monitoring with graphing mapping c/w redundant server
- D. Test & measurement equipment
 - i. Pixelmetrix
 - ii. DTI
 - iii. Harris

The optical transport system design to use main and redundancy path in o-ring network config (fiber network provided by TM) to ensure the availability of the on air channel if anything happen to dark fiber.