

### Overview

Telikom PNG is the leading telecommunications company with a system which is the most modern in the South Pacific region. Telikom offers retail and wholesale business of voice and data broadband.

With its proud history of service spanning over six decades, Telikom is into the business of providing advanced innovative communication solutions in PNG and clients in the region.

Services currently available feature landline, Telikom mobile service, fixed wireless voice & data, Wimax broadband, VSAT, PABX, IPLAN, VPN, hotspot, and video conference.

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### Challenge

**Telikom PNG** is endeavoring to venture into IPTV/OTT in partnership with its subsidiary **EMTV** - who will be providing required Free to Air and Pay to View channels content which will be converted into IP for video streaming via Telikom PNG's network. The current Middleware provided by EMTV lacks required features, support and flexibility hence creating the need for Telikom to source a reliable and cost effective complete Middleware platform with OTT applications which will help Telikom PNG to launch their TV service within PNG.

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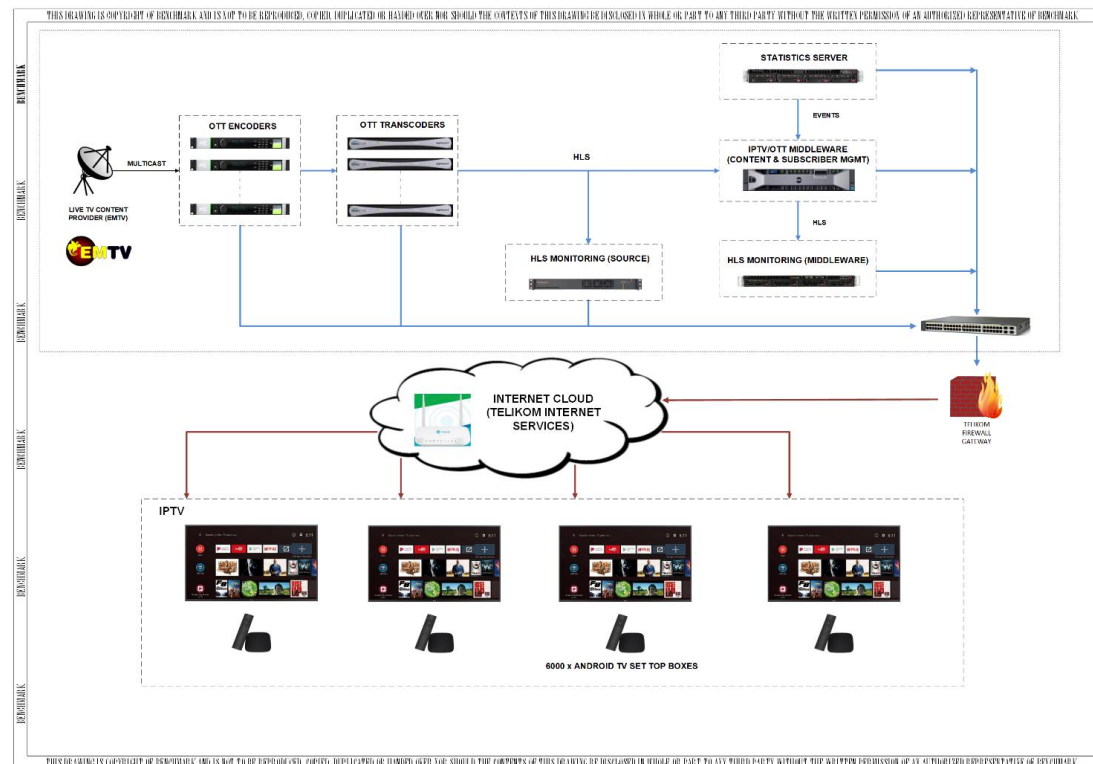
### Solution

Telikom TV selected UniqCast platform partnered with Benchmark Broadcast Systems based in Singapore to provide complete IPTV/OTT middleware platform which includes Content and Subscriber management, Streaming servers, Statistics, Stream Monitoring as well as Client application for Android TV STB devices.

Telikom TV has 42 SD channels converted to IP streams using OTT encoders and then each channel IP stream generates three HLS profiles (360p, 480p and 570p) using OTT transcoders (H.264 encoding). All HLS channels streams have been configured in the middleware platform for the streaming services to Android TV STB devices. Stream monitoring of the source as well as the output HLS streams from the middleware platform is available which helps the Telikom TV to monitor the quality of the HLS profiles/channel streams.

Statistics module provides events containing defined actions by the middleware application which can be used for aggregation and generation of reports. This module provides extensive information including the logs used for debugging purpose.

Project was successfully implemented with the required services and Telikom TV has launched the IPTV/OTT service successfully. Telikom TV planned to extend their service to Mobile platform (Android & iOS) including VOD/Catchup TV services and to other locations in near future.



### Customer Summary

“We selected UniqCast TV platform because it combines middleware and streaming capabilities in a single platform and provides excellent user experience across all devices,” says Xavier Victor, CEO of Telikom PNG.

“UniqCast convinced us with their professional support and knowledge sharing during the selection process and they helped us during the implementation phase as well, especially on network and transcoding,” adds Mr. Victor.

“We are proud to be able to help Telikom with our experience in end to end IPTV/OTT projects and network specifics of island countries,” said Mr. Darko Robič, CEO at UniqCast. “I look forward to further cooperation with Telikom and future extensions of their service.”

“Excellent cooperation of all parties and flexibility of the UniqCast solution resulted in quick and smooth project delivery,” said Mr. Ramesh Babu, CTO at Benchmark Broadcast. “We are excited to support Telikom PNG for their TV service and to extend partnership with UniqCast in the region.”

### ABOUT BENCHMARK

Benchmark Broadcast Systems, is a consultant and technology partner for media and broadcast companies in Asia. Headquartered in Singapore, the Company has offices in Bangkok, Chennai, Delhi, Dhaka, Kuala Lumpur and Manila. It's on-site engineering, software programming, software & systems integration, testing and support services are highly specialized. It operates in network mode with senior managers functioning out of Singapore, Chennai, Delhi and Manila.

Benchmark focuses on providing complete solutions for broadcast

and post production applications. The spectrum starts from simple modules to complete turnkey systems integration services for setting up a totally new TV station or upgrading/modernizing existing ones. The Company also provides a complete range of services from pre-sale consultancy, through to systems design and integration, installation, user training, support and even to managed services. Benchmark Broadcast's capabilities extend to configuration of comprehensive enterprise-wide solutions, application support, systems installation and customer training and, importantly, to development of customized solutions.

### CONTACT

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**BENCHMARK**  
BROADCAST SYSTEMS

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