



// DOCSIS & R-PHY PLAYBOOK

# TWT Digital Communication Upgrades its Broadband Network to World-Class Standards

Enabling agility and efficiency to address evolving network requirements

## WHAT SUBSCRIBERS WANT



ULTRA-FAST  
INTERNET SPEEDS



RELIABLE INTERNET  
CONNECTION



ENHANCED BROADBAND  
EXPERIENCES



LOW SERVICE  
COSTS



FAST ISSUE  
RESOLUTION

## THE GAME PLAN

Taiwanese service provider TWT Digital Communication has been delivering premium services to subscribers since 1995.

TWT Digital Communication wanted to handle fluctuations in bandwidth usage with greater ease and flexibility. The operator needed to modernize its broadband network to efficiently meet changes in consumption and enable faster internet to provide the exceptional broadband service quality that subscribers expect. For the operator, it was also important to deploy a solution that simplifies future network evolutions and scales at a lower cost.

## THE PLAY-BY-PLAY

TWT Digital Communication chose Harmonic's CableOS® Platform deployed in a centralized architecture with high-density Reef Remote-PHY (R-PHY) shelves. TWT Digital Communication now has a flexible solution to deliver high-speed DOCSIS 3.1 services. The platform also provides a seamless path to 10G and low-latency online gaming.

The operator also deployed CableOS Central cloud-connected management service with 24/7 intelligent monitoring and engagement tools that provide extensive visibility into network activity.

The entire solution was deployed in less than three months thanks to Harmonic's technology expertise and with support from local partner Cabletronics Broadband.

## THE WINS

TWT Digital Communication is now among a growing number of cable operators worldwide that are using Harmonic's CableOS Platform.

Harmonic's Reef R-PHY shelves allow TWT Digital Communication to quickly and cost-effectively expand network capacity and leverage existing HFC networks. The Reef is a high-density R-PHY shelf using Harmonic's industry leading R-PHY technology. The unique design enables operators to migrate to distributed or other architectures when they decide, and at their own pace. TWT Digital Communication's services are fully converged in the IP domain.

Harmonic's CableOS Central service with cloud-based monitoring and management applications provide TWT Digital Communication with unrivaled support and detailed information on network performance, around the clock. Supported by real-time data and analytics, the operator has significantly boosted proactivity. CableOS Central gives the operator advanced metrics to detect and avoid potential service issues, which help to enhance the quality of service for TWT's subscribers and unburden the operational team from unnecessary interventions.

With Harmonic as its strategic partner, TWT Digital Communication has evolved the broadband network to ensure superior service quality for customers. The vCMTS and R-PHY solution reduce space, power and cooling costs to with greater agility to expand and evolve the network over time. It also helps lower maintenance costs. The operator is now ready to handle today's broadband service delivery requirements, adapt to bandwidth fluctuations as consumption shifts and easily transform the network to address any future evolutions.

## THE POWER OF CABLEOS

# DOCSIS 3.1

for high-performance  
broadband services



Low energy  
footprint



Real-time data  
& analytics



Agile network  
evolution



Fast  
deployment

"Harmonic's CableOS solution enables us to address spikes in network traffic with increased velocity, scalability and efficiency"

**Kady Hsiao**

Vice President at TWT Digital Communication

