

# TERACOM

## Teracom Sweden

### Digital Terrestrial Television - DVB-T2

#### Introduction

Teracom is Sweden's premier media operator and offers services for the broadcast of radio, TV and data communications based on its nationwide infrastructure.

The Group offers Pay-TV services to households in Sweden, Denmark and Finland through Boxer and PlusTV.

Teracom's digital terrestrial broadcasts reach 99.8 % of households in Sweden.

#### Challenge

Teracom wanted to find a solution that would protect their investment in their existing DVB-T infrastructure and at the same time allow them to implement DVB-T2 technology to enable them to provide Sweden's terrestrial TV viewers with even better services.

“Teracom has always been at the forefront of terrestrial television broadcasting. We constantly adopt new technologies to improve our system for the benefit of our customers and viewers. This time we built out a brand new network for HD-based services on the new DVB-T2 specification. We selected NeviON solutions to provide key functionality in this network because of their overall terrestrial expertise and the strong functionality of the NeviON DVB-T2 gateway.”

**Peo Gaasvik,  
CTO, Teracom**

## The Situation

Teracom wanted to enhance its terrestrial TV offering in Sweden by upgrading to DVB-T2. The gains in bandwidth efficiency offered by DVB-T2 compared to DVB-T would allow them greater flexibility and enable them to expand their HD programming.

## The Result

Nevion supplied Teracom with the CP560 DVB-T2 Gateway and the CP541 TS Monitoring Switch.

The project, which commenced in 2010, enabled Teracom to expand their HD and other next generation TV service offerings to Swedish homes.

The CP560 DVB-T2 Gateway provides a central point of control for DVB-T2 networks and functions as a gateway between DVB-T2 head-ends and transmission network

CP560 utilizes the advanced processing capabilities of the cProcessor family, by re-arranging the transport stream into the DVB-T2 Modulator Interface (MI) format. The DVB-T2 MI also controls the modulator parameters and provides the accurate timing and rate control required in an SFN network.

In addition Nevia supplied Teracom with the CP541, which monitors and if necessary switches video streams in Teracom's distribution network, ensuring that Sweden's terrestrial viewers receive an uninterrupted service.

The CP541 is an intelligent 1+1 redundancy switch-over solution between two MPEG transport streams, providing seamless switch-over with no interruption to the transport stream.

## Contact information

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## Why Nevia

Teracom chose to Nevia to support the next generation of Swedish terrestrial television for a number of reasons, including advanced functionality, its unrivalled track record in digital terrestrial television and the availability of field-tested solutions for DVB-T/T2.

It was also important that Nevia offered support for Single Frequency Network (SFN) operation and both ASI and IP transport in the core network. The choice of Nevia means that in addition to providing Teracom with a great solution for 2010 the system also has the functionality that Teracom will require moving forward.

As always, Nevia considers each customer and every project unique.

We assess and design before we deploy, ensuring that the solutions provided best meet immediate needs, long-term goals, and your overall environment. From there, we're always a phone call away.

The Nevia logo consists of the word "nevia" in a lowercase, sans-serif font. The letter "o" is replaced by a green circle with a white dot in the center, resembling an eye or a stylized 'o'.