

Belgacom DVB-RCS, "Broadband in the Sky"

Applications: Satcom Network Systems and Services

"Belgacom DVB-RCS enables Service Providers to build their own broadband service based on a shared platform concept. This innovative approach gives them the benefit to start without making massive investments usually necessary."

Stein Peeters, Project Manager, Belgacom



PRIME CONTRACTOR:

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PROJECT PARTNER:

Newtec (Belgium)

PROFILE:

Belgacom, the leading Belgian telecom operator, has developed a broadband platform that supports the delivery of advanced IP based services to and through multiple service providers. The platform has been developed in cooperation with another Belgian company, Newtec. The project is called Belgacom DVB-RCS, "Broadband in the sky" and builds on the DVB-RCS standard which provides the technological basis for two-way satellite IP communications.

The goal of such a project was to provide Internet service providers with broadband Internet access by enabling them to define and deliver a service package matched to their own market requirements. The main benefit of this business model is the fact that service providers will share the two-way DVB-RCS IP satellite communication platform, resulting in a lower operating cost. As a result, end users will also be able to benefit from more attractive IP services over broadband connectivity via satellite in areas not otherwise connected.

In achieving this, the project team had identified four main challenges: management of resource sharing to enable multiple service providers to use the system, providing service provider operator management access to the system to enable them to manage their terminals and end-users profiles, security aspects of multiple operator access to management systems, and finally testing of relevant usage scenarios.

The service is now commercially deployed. See also www.belgacom.be/satellite.