

Case Studies of Satellite Broadband Aggregation Schemes and Lessons Learned I: Cypriot Villages



Dr Christos Papachristos
Sales Manager SE & E. Europe, Hellas Sat

A satellite internet solution for 102 villages in remote and isolated regions of Cyprus



Presentations may be posted on the EC Broadband Portal

What was the objective of the scheme?

To provide satellite internet services to 102 villages in Cyprus that were not covered by terrestrial broadband.

Who were the target end-users?

The scheme was aimed primarily at providing rural and very isolated Greek schools with access to the internet. However, target end-users also included government employees, public administrators & private consumers in each village.

Was the Scheme Specifically for Satellite or did it Include Other Forms of Broadband?

The scheme was specifically for satellite broadband installations.

Who were the key sponsors of the scheme?

**The Government of Cyprus,
Ministry of Communications & Works**

Were there any other influencers?

**Hellas Sat
Local Municipalities**



Pilot Site: Ayios Georgios School, Cyprus

How was the scheme funded?

Directly by the Government of Cyprus.

The Government decided to issue the project as a reward for the allotment of Hellas Sat operation in Cyprus, so payment of this project was a decrease in the licence fees for Hellas Sat.

What was funded?

Hardware components such as the satellite dish and CPE, survey and installation of the system and service provision for two years.

What was the approximate cost to the funders?

€1.5m was awarded for the two years of service.

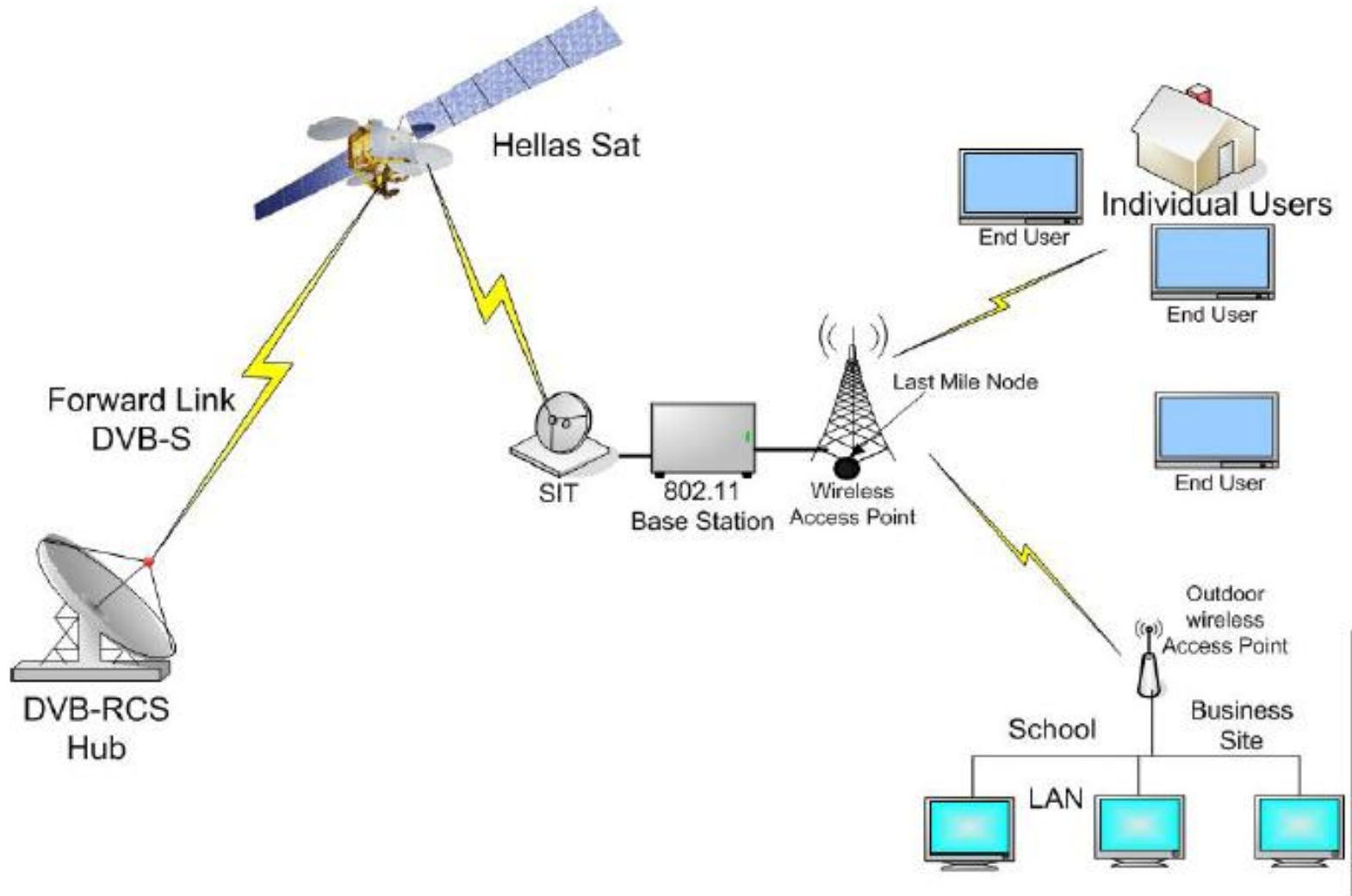
What were the dates of the scheme?

The scheme ran from 2009 to 2012.

How many end-users actually participated?

531 connections were installed in the 102 villages, covered by satellite internet and connected with WiFi.





What service was provided to the end-user?

Up and download speeds of 1Mbps and 128Kbps.

No limit on downloads.

What was the cost to the end-user?

There was no cost to the end-user for the satellite kit or the first 2 years of service.

Was there an SLA?

No.

Who were the operators involved?

Hellas Sat.

What did they provide?

Ku bandwidth was supplied by Hellas Sat with the service based on Sat3 Play technology.

Were there others involved in the overall project?

Local Hellas Sat Installers.

Did the scheme achieve its objectives?

The scheme had a very successful outcome with all 102 target villages receiving the service.

Approximately how many end-users actually took up the service and were implemented?

Around 1200 users took-up the service in total.

Is the scheme still operating?

No, the duration of the scheme was 24 months. But a few connections are still in service using private funding.

What was most successful about the scheme?

The project was very large and wide-spread, but Hellas Sat was able to finalise all the installations on time and efficiently

What was least successful about the scheme?

Nothing. The scheme was very successful and following deployment of satellite broadband to these 102 villages, Cyprus has a broadband coverage of 100%.

What were the most important lessons learnt from the case study?

End-users require various types of connection behind the satellite terminal and they should carry the same interfaces as normal ADSL routers.

Would you recommend any changes in future schemes?

At each installation there should ideally be an IT person available to deal with any technical difficulties that may arise and ensure that normal operations are not interrupted.

Thank You