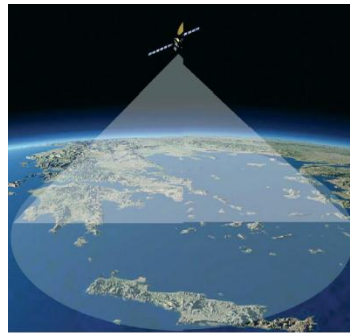


# “DORY” – A Satellite network for the interconnection of Greek Public Sector Organisations



Socrates Costicoglou

IT, Applications and R&D Director



# SPACE HELLAS at a glance

System Integrator · Value-Added Solution and Service Provider

Active in Telecommunications , IT and Security

More than 25 Years of Operation and Growth

220 Specialized Employees

• More than 200 Certifications · Accreditations

Turnover <sup>(2012)</sup> € 49 million

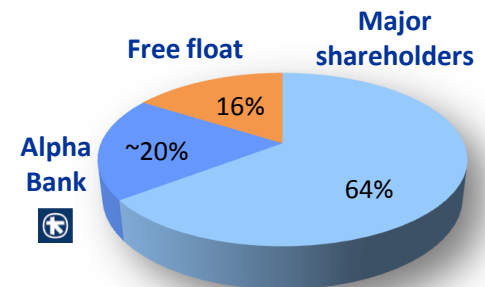
Listed on the Athens Stock Exchange since 2000

Certified for Quality & Information Security Management

• ISO 9001:2008 · ISO/IEC 27001:2005  
• National · EU · NATO Secret

Activities abroad

• Cyprus - Space Hellas Cyprus Ltd  
• Romania - Space Hellas System Integrator S.R.L.  
• Malat – Serbia - Balkans · Middle East



Cert No. 7421  
ISO 27001



# The main objective of “DORY”



This 7.8M€ project, named “DORY”, is the largest SatCom related project to be deployed in Greece and, possibly, one of the largest in Europe.

The main objective is the development of a large-scale broadband satellite network to serve the needs of Greek public sector users located in rural and remote areas

DORY is fully in line with EU initiatives and will be the “spear” (i.e., English translation of Greek word “dory”) of the Greek Government aiming

- to further modernise the Public Sector Administration based on the e-government model,
- to bridge the digital divide all over Greece,
- to demonstrate the efficient use of public resources in support of ICT for the benefit of Greek citizens, as well as
- to demonstrate and exemplify the key advantages of satcom technology for broadband access to rural, remote and underserved areas of Greece and Europe, in general

# “DORY” in detail

DORY is an integrated “turn-key-solution” project which refers to the development, commissioning, installation and operation of a large scale broadband satcom network including:

- Central Hub Station,
- 1620 satellite IP satellite terminal including fixed, flyaway, vehicular and vessel mounted ones, as well as
- 53 VSAT fixed stations

# “DORY” Features

- Its access network refers to a state-of-the-art DVB-S2/ DVB-RCS based broadband interactive satellite IP network architecture whereas an independent VSAT mesh network is also envisaged to operate in parallel for special cases (i.e. for connectivity to meteorological radars, etc).
- All satellite and terrestrial services will be managed by an integrated Network Management System (NMS) which together with an advanced SLA Monitoring Application will ensure provisioning of value-added services based on Service Level Agreements (SLA) as defined by the respective end users.
- Particular attention is paid towards ensuring business continuity using state-of-the art Storage Area Networking (SAN) and backup systems, while high-end IT security and Physical Security systems will be deployed



# The space segment

The space segment assumed refers to the national public resources of the operational in-orbit satellite Hellas Sat II (Ku band, 39oE) of which, 13+18MHz total capacity has already been allocated from two transponders for the purposes of DORY project.



# “Dory” Services

The provision to public sector users located in rural and remote areas of:

- Internet,
- IP telephony,
- telecom and
- telematics services

# Key Decision Makers

**The project falls under the Ministry of Infrastructure, Transport and Networks, with a projected timescale for implementation of two years**

**The Greek public sector users to benefit from DORY include authorities from the following sectors:**

- Civil Protection,
- Fire Brigade,
- National Defence,
- Police,
- Civil Aviation,
- Mercantile Marine,
- Public Health,
- Postal Services,
- Citizen Service Centres,
- Schools and Ministries,

**all of which are located at rural, remote and difficult-to-reach Greek regions and being in need of broadband services, such as data, voice, video, e-learning, etc.**



# Funding of the Scheme

This is 7.8M project partially funded by the Greek Government and EU structural funds under the National Strategic Reference Framework program (NSRF 2007 – 2013)

The problems faced due to the economic crisis and the subsequent liquidity shortage and fiscal slippages have suspended the project.