



European Commission  
DG Enterprise & Industry

A large graphic element featuring a purple satellite in orbit, with a purple swoosh that curves around the word "healthware". The word "healthware" is written in a bold, orange, lowercase sans-serif font.

# healthware

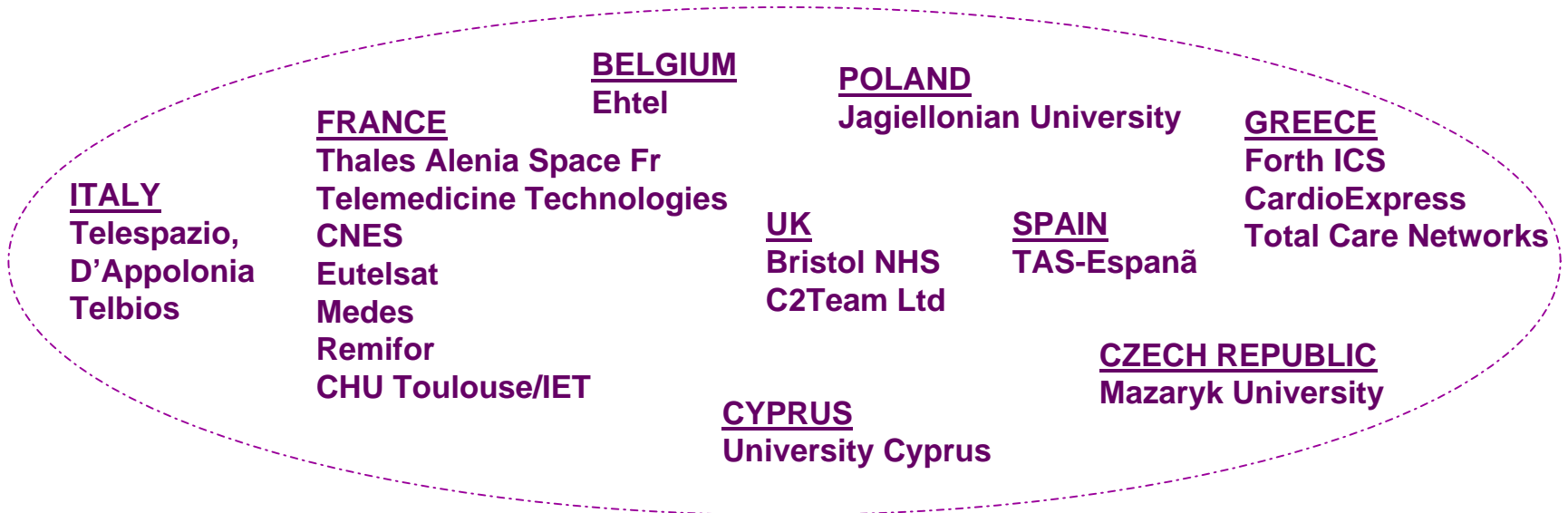
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Project Coordinator





## The Healthware project's key Elements

- ▼ Submitted under FP6 "Aeronautics and Space" thematic priority
- ▼ Addresses the development of **end to end satellite telecommunication systems for telemedicine applications**
- ▼ Three years project, started on 1 May 2005
- ▼ Thales Alenia Space France coordinates a consortium of 19 partners including

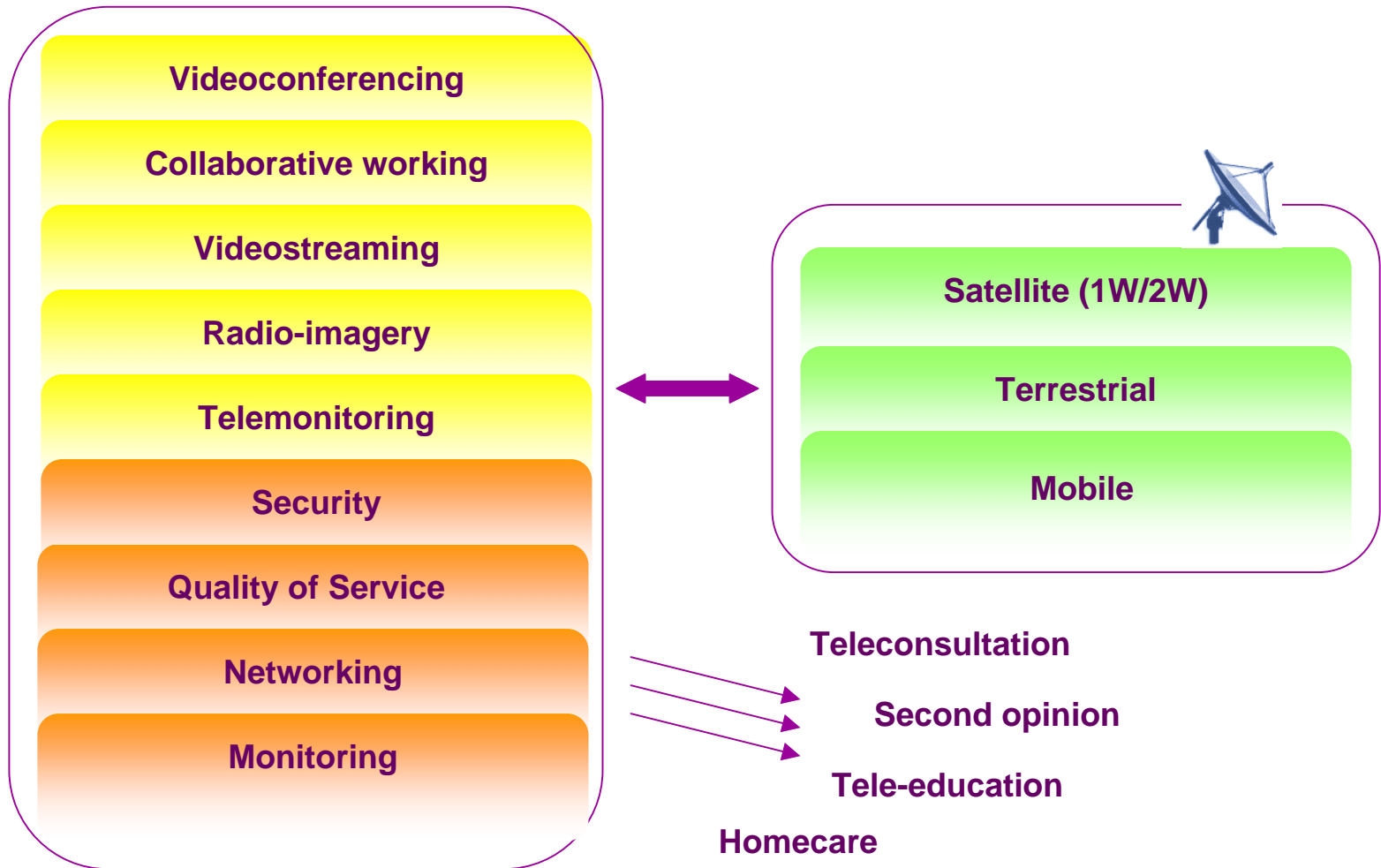




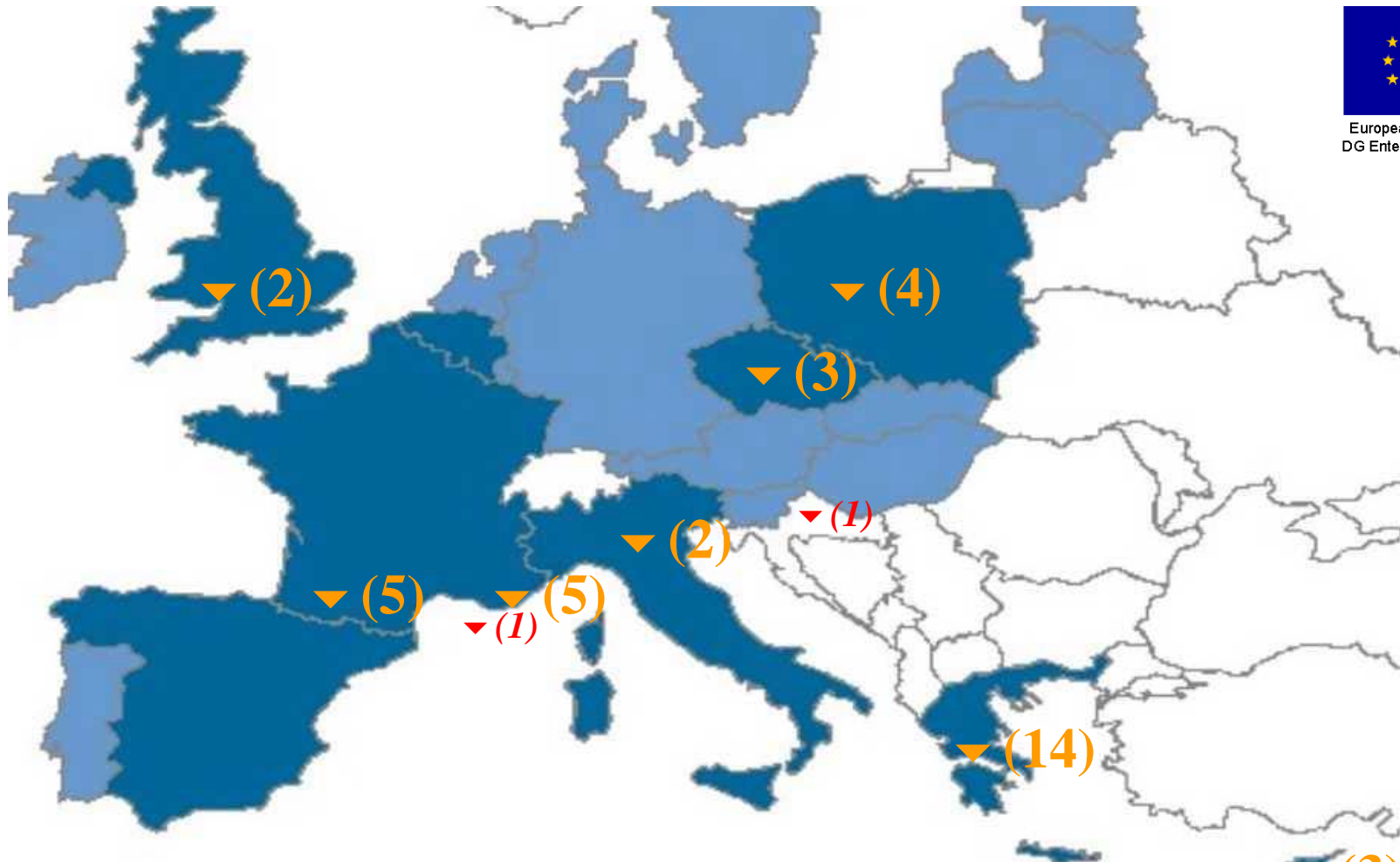
## ***The Healthware project's objectives***

- ▼ Promotion of the European DVB-RCS satellite standard
- ▼ Development and deployment of telemedicine services
- ▼ Contribute to the sustainability of end to end telemedicine solutions/services using DVB-RCS satellite technology
- ▼ Implement the Healthware technology platform for telemedicine
- ▼ Achieve large scale pilot deployment (40 sites)
- ▼ Perform users validation through networks managed by medical leaders
- ▼ Proceed to the usage evaluation
- ▼ Analyse sustainability of the proposed solutions/services

# The Healthware Technology Platform







**Healthware = 40 DVB-RCS sites network over 8 European countries ▼ (3)**



## *The Healthware Medical domains and Telemedicine Services*

- ▼ Primary focus on three medical domains
  - Chronic respiratory diseases
  - Cardiology / Heart problems
  - Oncology
- ▼ Pilot network services
  - **Tele-education :**
    - Greece (Forth), Cyprus (Univ.Cyprus), France (Remifor), Czech Republic (Mazaryk Univ.) + UK (Bristol) and Poland (Jagiellonian Univ.)
  - **Teleconsultation :**
    - France (CHU TO, Remifor), Cyprus (Univ.Cyprus)
  - **Second opinion :**
    - UK (Bristol), Poland (Jagiellonian Univ.)
  - **Homecare :**
    - Italy (Telbios)



## ***Zooming on Healthware medical usages***

### ▼ **JAGIELLONIAN University Krakow (Poland)**

- Connection of Tuberculosis & Lung diseases centres and Public Healthcare Centres to University Department
- Presentation of difficult or complex cases (lung cancer and respiratory diseases)

### ▼ **MAZARYK University Brno (Czech Republic)**

- Remote access to a database of anonymous medical cases for e-learning purposes

### ▼ **University Hospital TOULOUSE (France)**

- Connection isolated hospitals/nursing home to the Midi Pyrenees telemedicine network
- Teleconsultation between nurses and general practitioner concerning elderly residents in a nursing-home in mountain area.
- Teleconsultation between a specialist in a psychiatric hospital and patients (with the possible attendance of specialized psychiatric nurses) concerning the post-hospitalization follow up of patients with mental diseases.

### ▼ **REMIFOR (France)**

- Medical support of operational staff involved in Collective urgency (big accident, plane crash, etc...).
- Training of medical and operational staff (civil protection, fire brigades) : after Initial training program, some staff want to join rescue teams



## ***Zooming on Healthware medical usages***

### ▼ **TELBIOS (Italy)**

- Connecting patients' home to the multimedia services centre
- Telemonitoring of patients after early discharge : vital signs monitoring, video-communication, edutainment

### ▼ **University of CYPRUS (Cyprus)**

- LGH and Evangelismos will contact Intensivists at NNGH for teleconsultation regarding acute care patients : Patient transfer / further resuscitation

### ▼ **FORTH (Crete/Greece)**

- Connecting Healthcare centre and Community offices
- Multi-sites and Live tele-education sessions related to Cardiology and Trauma

### ▼ **United BRISTOL Healthcare NHS Trust (UK)**

- Remote expertise in Lung Cancer, Chest Medicine and Cardiology : interconnection of UK nodes (Bristol/Ashford) to enhance the organisation of regular MDT sessions (lung cancer disease/oncology)
- link-up with Poland for 2<sup>nd</sup> opinion in Thoracic Surgical, with India (Christian Medical College in Vellore), with Croatia



▼ For further information, visit our Web site : <http://healthware.alcasat.net>

