

“We help you make better use of space”



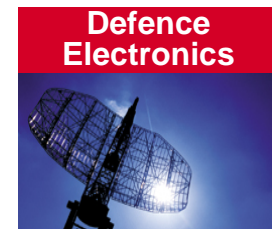
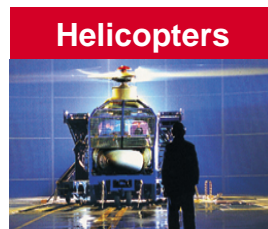
## A Finmeccanica Group company

Telespazio is the Finmeccanica Group company leader in satellite services

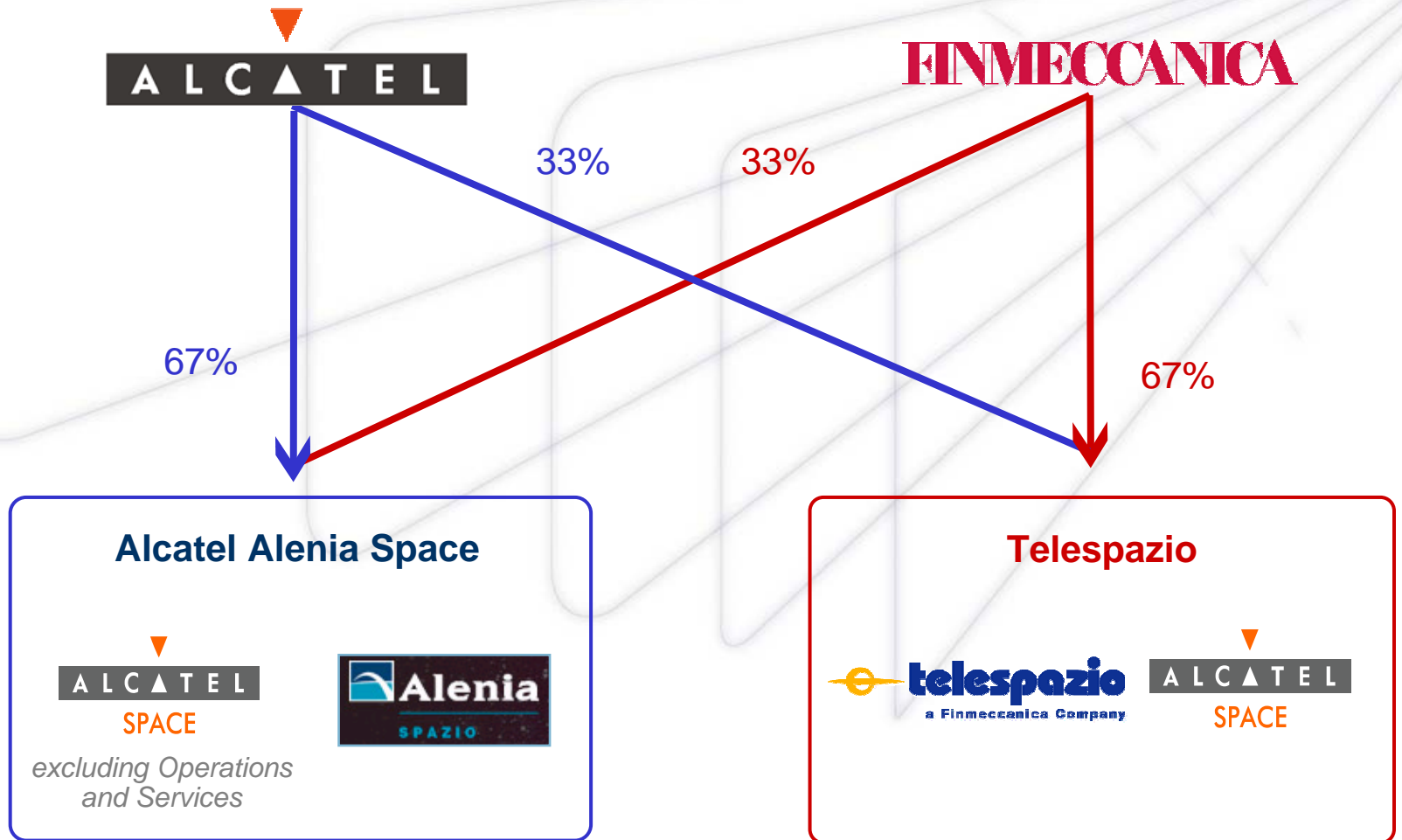
### The Finmeccanica Group\*

is the most important hi-tech Italian group, focused in Aerospace and Defence

- **Revenues:** 9.4 mld €
- **Backlog:** 25.9 mld €
- **New Orders:** 10.8 mld €
- **R&D:** 1.5 mld € (16% of production value)
- **People:** 51,000 employees all over the world



## Two sister company



**2004e Revenues: €350m**

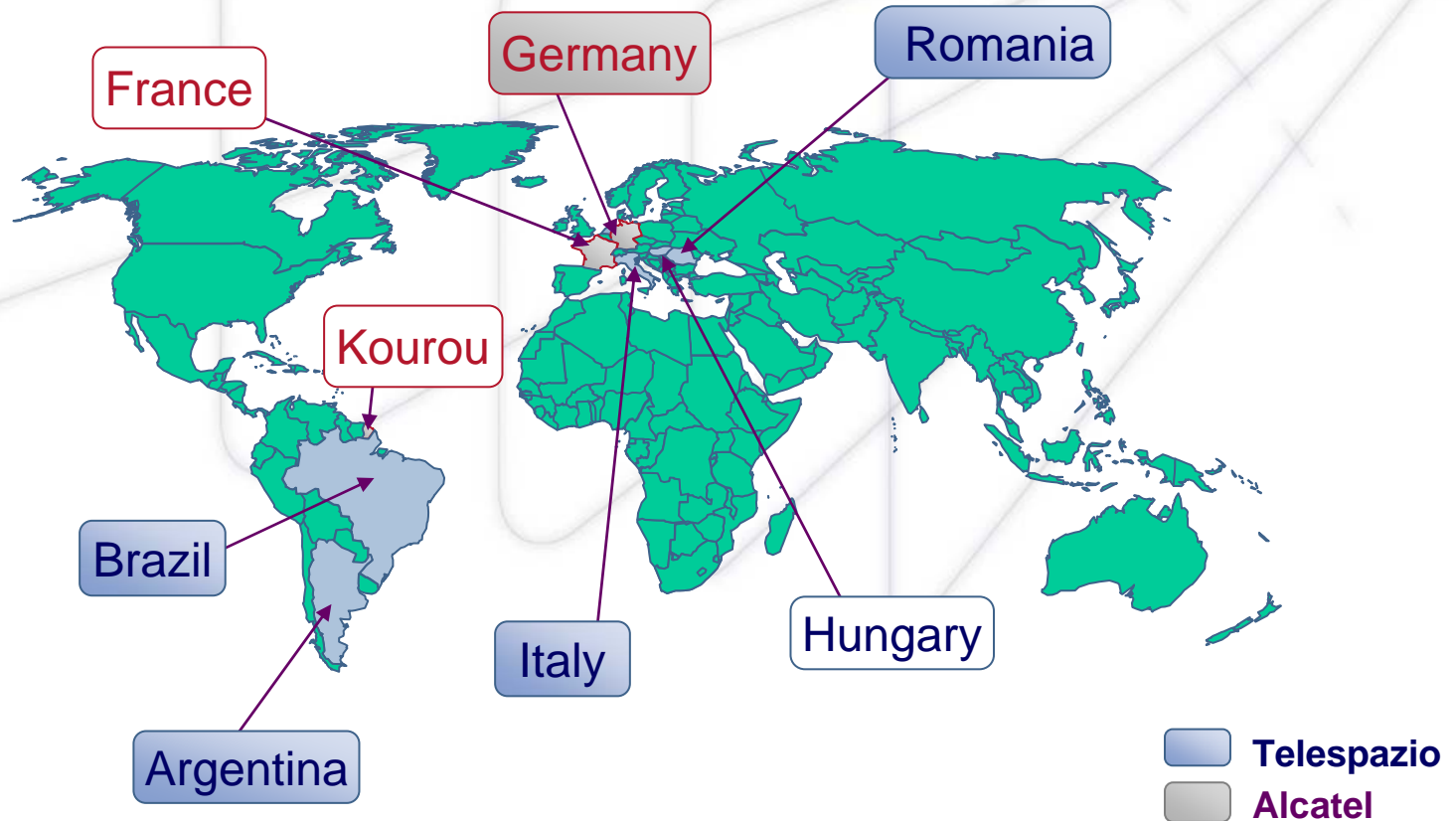
**Main competence centers:**

*Fucino - Rome - Toulouse - Kourou- Matera – Lario - Scanzano*

- Satellite Operations (launch, control and exploitation)
- Network and connectivity (network solutions and services, operation of network management systems, transponder capacity providing / reselling for TV broadcast)
- Networking, value-added services, multimedia and earth observation for Telecommunication, Earth Observation, Navigation and other application areas, in Institutional, Defence and Commercial markets

## Telespazio in the world

Telespazio is located in many of the geographical areas with the highest growth potential, through its controlled companies or subsidiaries.



## Human resources and figures

### Telespazio counts more than 1.100 people

- Research and innovation are considered factors of success
- 34% of people are graduates (mainly in technical and engineering fields)
- 59% of people have a diploma (mainly in technical area)

### Telespazio figures

- Turnover: mIn Euro 282\*
- Investments: mIn Euro 14\*



## From technology...to services

Telespazio has the competencies and a 40 years experience, to guarantee the best support in every phase of a space system based on satellite technology:  
From space to services



## Satellite operations

Telespazio is one of the major solutions providers within ground segment and satellite operations

- Space mission support
- Ground segment design
- Ground facilities Management
- Launch and Early Orbit Phase (LEOP)
- Tracking, Telemetry and Command (TT&C)
- Commissioning and IOT (in-orbit test)
- Satellite management and control



### Networks and services for fixed and mobile telecommunications VSAT

- Multimedia satellite applications
- Networks and services for Defence sector
- Mobile systems with global coverage

Telespazio operates with all main satellite international players

- From design to management of satellite networks
- 24H/7 International assistance and support

## Security solutions

Support in “security solutions” design:

- Environment and client needs analysis
- Network design
- Training of client personnel
- Logistic support and up-grading of security systems

Remote monitoring and control of wide areas, risky sites, harbours and airports:

- Satellite data acquisition and elaboration of 3D models
- Video signal management and transmission
- Tracking of targets and “car plate detection”
- Storing of data and integration of existing database
- Link with security and control authorities



Telespazio's SARC prototype car used for field trials and equipment type approval



## Radio and TV services

Telespazio provides networks and services for:

- Broadcasters
- Radio
- Content providers
- Companies

90% of broadcasting Italian market

Digital platforms operating on European and American areas

40 SNG (satellite news gathering) units



## Earth observation

- Acquisition and elaboration of satellite data
- High value added services and applications marketing
- Multi-satellite data availability (Low, Medium and High resolution)
- “25 years” data storage
- Near real-time acquisitions
- Exclusive distributor for Quick Bird (high resolution), IRS and Landsat; Spot-5

Natural resources management  
Environmental risks prevention  
Environmental monitoring  
Technical and thematic cartography  
Geomarketing



# Remote sensing data

**LOW**



**Tiros**  
**Modis**  
**Meteosat**  
**Meteosat 2°G**

**MEDIUM**



**Landsat**  
**IRS**  
**Spot 4/5**

**RADAR**



**Ers**  
**Envisat**  
**Radarsat**

**HIGH**



**Ikonos**  
**QuickBird**  
**Orb view**

Telespazio is engaged in main national and international space programmes:

**Cosmo-SkyMed**

The first satellite constellation for the Earth observation able to acquire high resolution data, with a high frequency and in any visibility conditions

**Galileo**

The new European satellite system for navigation, localization and timing services

## Facilities – The Piero Fanti Space Centre

### The most important European Space Centre

- 271 employees
- 90 active antennas
- 10 control room
- 370,000 sqm surface
- Satellite operations
- Telecommunications
- Radio-TV channels
- Multimedia applications



## Facilities – Other Italian sites

### Lario space centre

- Television services
- Telecommunications
- Mobile communications

**Total surface 80.000 m<sup>2</sup>**  
**Buildings 5.000 m<sup>2</sup>**  
**Antennas 35**  
**People 80**



### Scanzano space centre

- Telecommunications
- Remote sensing
- Navigation

**Total Surface 45.000 m<sup>2</sup>**  
**Buildings 5.500 m<sup>2</sup>**  
**Antennas 7**  
**People 26**



### Matera space centre

- Remote sensing
- Geodynamics

**Total Surface 100.000 m<sup>2</sup>(45.000ASI)**  
**Buildings 9.000 m<sup>2</sup> (6.000 ASI)**  
**Antennas 7**  
**LSR 2**  
**People 70 (+ 20 ASI/CNR)**



[www.telespazio.com](http://www.telespazio.com)

Telespazio S.p.A.  
Via Tiburtina 965  
00156 Roma  
[communication@telespazio.it](mailto:communication@telespazio.it)  
+39 06 4079 1