

## WHAT IS OREGIN ?

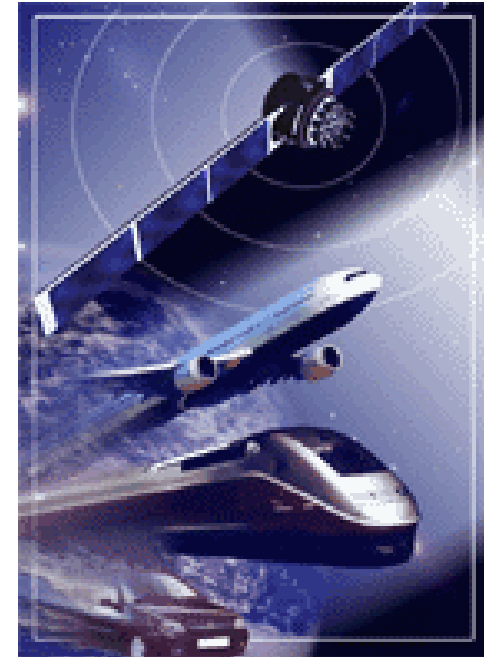
# WHAT IS OREGIN ?

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The **OR**ganization of **E**uropean **G**nss **I**ndustry of equipment and services, has been created in Feb 1999 for:

- information exchange
- cross-fertilisation of expertise
- point of contact/industry voice for the European Institutions
- publicity and lobbying
- fostering co-operation with non-European industries creating opportunities in overseas and global market



# MEMBERS



- **120 members**  
including international industry organisations and national groups  
(more than 200 industrialists represented)
- **Industries from 14 European countries**
- **From SMEs to biggest groups**



# MEMBERS PROFILE (1/2)

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- **Chip producers, Equipment manufacturers, Software developers, Service providers, Integrators, Telecom and Car manufacturers, ...**



Source: OREGIN Members websites

# MEMBERS PROFILE (2/2)

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- Experienced in all kinds of applications:
  - Safety of Life, Governmental, Professional, Mass markets
  - Air, Maritime, Rail, Road, Intermodal, Pedestrian, Leisure, Geodesy, Scientific, Agriculture, Space, ...



Source: OREGIN Members websites

# OREGIN MEMBERS LIST (1/2)



ACSA (FRANCE)  
Advanced Aviation Technology (UK)  
ADVETO (SWEDEN)  
AERODATA (GERMANY)  
AGROCOM (GERMANY)  
ALCATEL/SEL (GERMANY)  
ALENIA (ITALY)  
ALGONET (GREECE)  
ALGOSYSTEMS (GREECE)  
ASTRIUM (UK)  
BMW (GERMANY)  
BOMBARDIER TRANSPORTATION (GERMANY)  
CAA (GERMANY)  
CAP GEMINI ERNST & YOUNG (FRANCE)  
CARLO GAVAZZI SPACE (ITALY)  
CLARITI Technologies (FRANCE)  
COM DEV Europe (UK)  
CRYPTOLOG INTERNATIONAL (FRANCE)  
CS (FRANCE)  
DAI TELECOM (ITALY)  
DAIMLER CRYSLER GROUP (GERMANY)  
DIGINEXT (FRANCE)  
DIGIUTOPIKA (PORTUGAL)  
DORNIER CONSULTING (GERMANY)  
EADS (FRANCE)  
EADS (GERMANY)  
EDISOFT (PORTUGAL)  
ELNA (GERMANY)  
ERICSSON TELECOMUNICAZIONI (ITALY)  
ERTICO (INTERNATIONAL)  
EURO-TELEMATIK (GERMANY)  
EUTELSAT (FRANCE)  
FASTRAX (FINLAND)  
FAUCON ROBOTIQUE (FRANCE)  
FDC (FRANCE)  
FIAT (ITALY)  
FUTURASPACE (FRANCE)  
GPV TECHNOLOGICAL INOVATIONS  
(GREECE)  
HELIOS TECHNOLOGY (UK)  
HELLENIC AEROSPACE INDUSTRY (GREECE)

HIGH TECHNOLOGY ASSOCIATES (UK)  
IFEN (GERMANY)  
IMEC (BELGIUM)  
INDRA ESPACIO (SPAIN)  
INECO (SPAIN)  
INFORMATION TECHNOLOGY SERVICE (ITALY)  
INSYST (FRANCE)  
INTECS SISTEMI (ITALY)  
I-SPACE (FRANCE)  
KONGSBERG SEATEX (NORWAY)  
LABEN (ITALY)  
LEICA GEOSYSTEMS (SWITZERLAND)  
LNR Globalcom (THE NETHERLANDS)  
LOGICA (UK)  
LOPOS Technologies (GERMANY)  
M3 SYSTEMS (FRANCE)  
MAN TECHNOLOGIE (GERMANY)  
MANNESMANN VDO (GERMANY)  
MLR Electronique (FRANCE)  
MORS (FRANCE)  
MUNICH ORIENTATION CONVENTION (GERMANY)  
N2C (FRANCE)  
NATIONAL PHYSICAL LABORATORY (UK)  
NATS (UK)  
NAVIONICS (ITALY)  
NAVOCAP (FRANCE)  
NEMERIX (SWITZERLAND)  
NEXANS (BELGIUM)  
NEXT (ITALY)  
NOKIA (FINLAND)  
NORDNAV TECHNOLOGIES (SWEDEN)  
OMNISTAR (THE NETHERLANDS)  
ORMSTON (UK)  
POLE STAR (FRANCE)  
PRAXIS CRITICAL SYSTEM (UK)  
RAYTHEON (UK)

# OREGIN MEMBERS LIST (2/2)



ROBERT BOSCH (GERMANY)  
ROKE MANOR RESEARCH (UK)  
SAGEM (FRANCE)  
SATCON (GERMANY)  
SATPLAN (FRANCE)  
SCHLUMBERGER SEMA (SPAIN)  
SENA GPS (SPAIN)  
SENER (SPAIN)  
SEPTENTRIO (BELGIUM)  
SKEYE (GERMANY)  
SKYSOFT (PORTUGAL)  
SOCRATEC (GERMANY)  
SOCRATEC NAVSAT (SPAIN)  
SPACE SYSTEM FINLAND (FINLAND)  
SPACECHECKER (BELGIUM)  
SPIRENT COMMUNICATIONS (UK)  
ST MICROELECTRONICS (UK)  
STA (ITALY)  
SURREY SATELLITE TECHNOLOGY (UK)  
TECHNIUM (FRANCE)

TECHNOMAR (GERMANY)  
TEKELEC Systèmes (FRANCE)  
TELE ATLAS (BELGIUM)  
TELECONSULT (AUSTRIA)  
TELEMATICA (GERMANY)  
TELESPAZIO (ITALY)  
TERRAFIX (UK)  
THALES (FRANCE)  
THALES AIBORNE SYSTEMS (FRANCE)  
THALES AIR DEFENCE (FRANCE)  
THALES ATM (GERMANY)  
THALES ATM (UK)  
THALES AVIONICS (FRANCE)  
THALES AVIONICS (UK)  
THALES COMMUNICATIONS (FRANCE)  
THALES NAVIGATION (FRANCE)  
THALES RESEARCH (UK)  
THALES TRACS (UK)  
TI-WMC (THE NETHERLANDS)  
VITROCISSET (ITALY)  
ZENITEL (BELGIUM)

## EUROPEAN GNSS INDUSTRIAL ORGANIZATIONS MEMBERS OF OREGIN

- ASA - Austrian Space Agency (Austrian Industry)
- Navigate Consortium (Italian Industry)
- SGIC - Scandinavian GNSS Industry Council (Scandinavian Industry)
- GSS - Galileo Sistemas y Servicios (Spanish Industry)

## EUROPEAN UNIVERSITY RESEARCH CENTRES

- Centre for Communication Systems Research  
University of Surrey (UK)
- GIS Research Centre  
University of Glamorgan (UK)
- Institute of Engineering Surveying and Space Geodesy  
University of Nottingham (UK)

# MISSIONS AND OBJECTIVES

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- To support the development of GALILEO users segment equipment and services,
- To provide public authorities with technical and marketing expertise and support in analysing the impact of GALILEO architecture on user equipment and services,
- To support the necessary efforts on standardisation and certification for the development of user segment equipment and services,
- To foster the identification of business opportunities and define the necessary actions to ensure their success,
- To foster partnership between industrialists and in particular between large corporations and SMEs,
- To rapidly and efficiently circulate relevant information,
- To promote EUROPEAN industry, technology, products and services,
- To encourage participation of universities and research centres in R&D activities related to GALILEO developments.

**What do we expect from Galileo?**

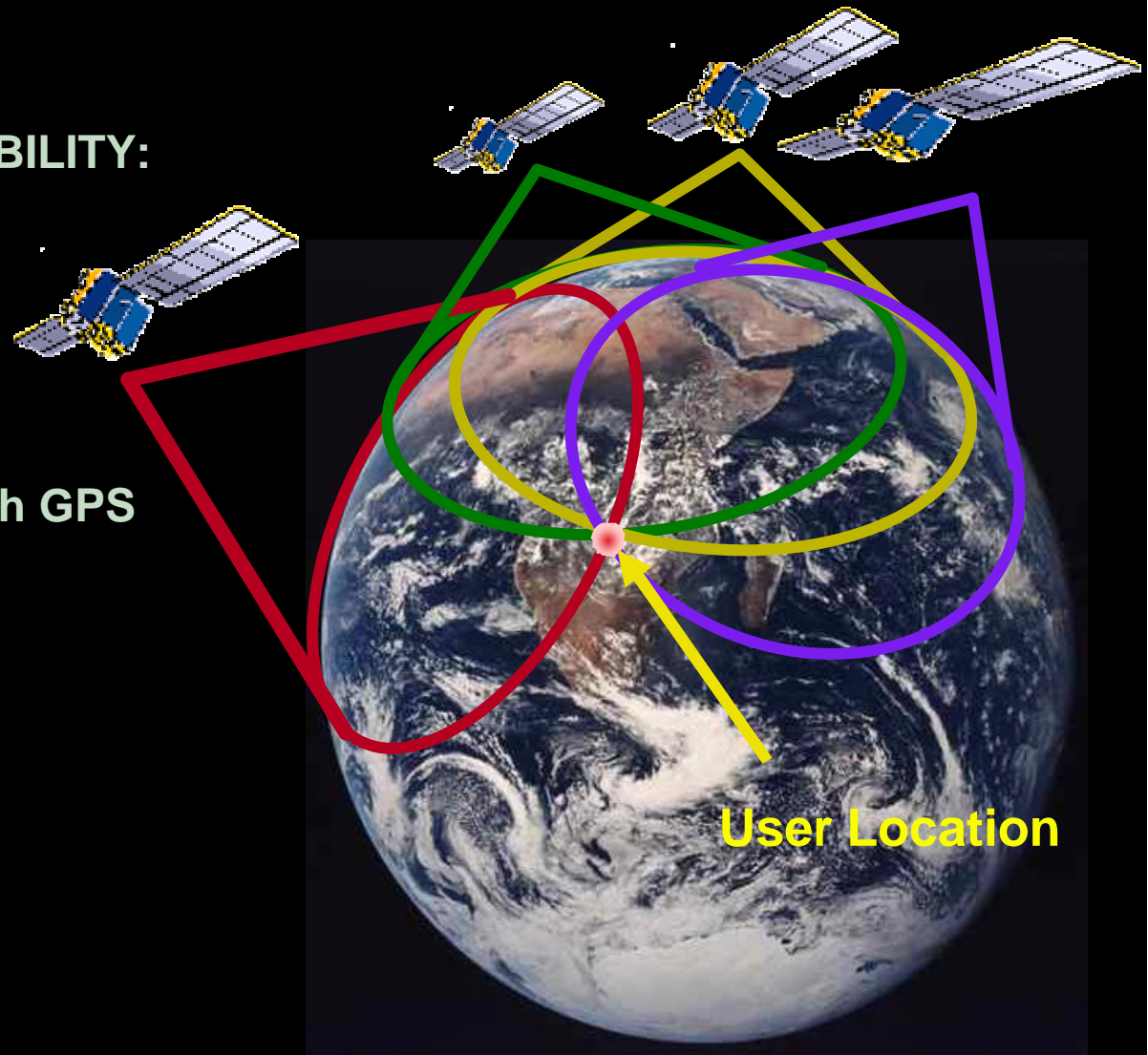
# GALILEO TECHNICAL ASSETS



Galileo will offer optimum

**PERFORMANCES and RELIABILITY:**

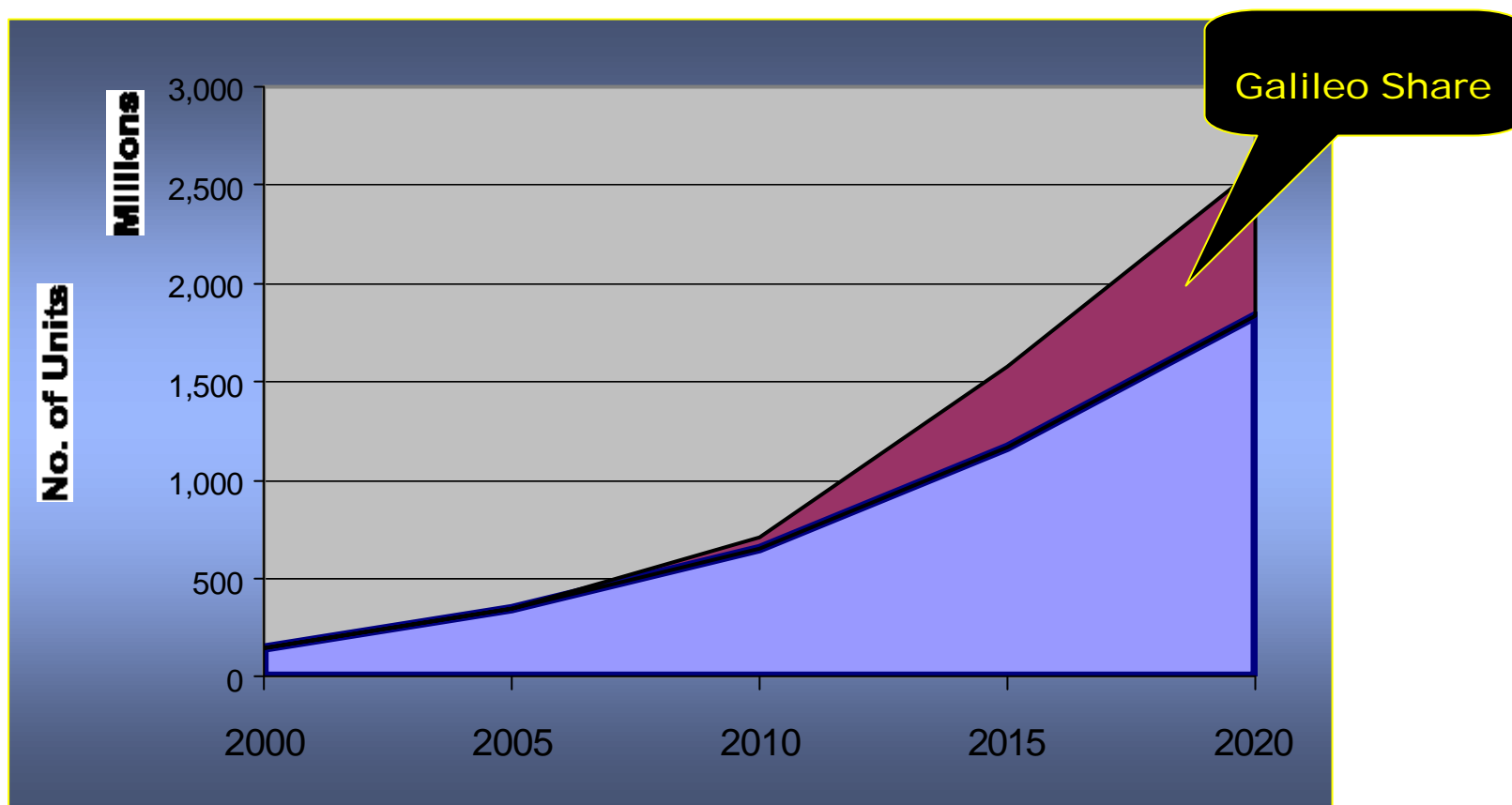
- a high level redundancy with GPS (technical & political)
- integrity
- availability
- continuity of service
- accuracy
- security



# GALILEO MARKET



## GLOBAL GNSS MARKET SIZE

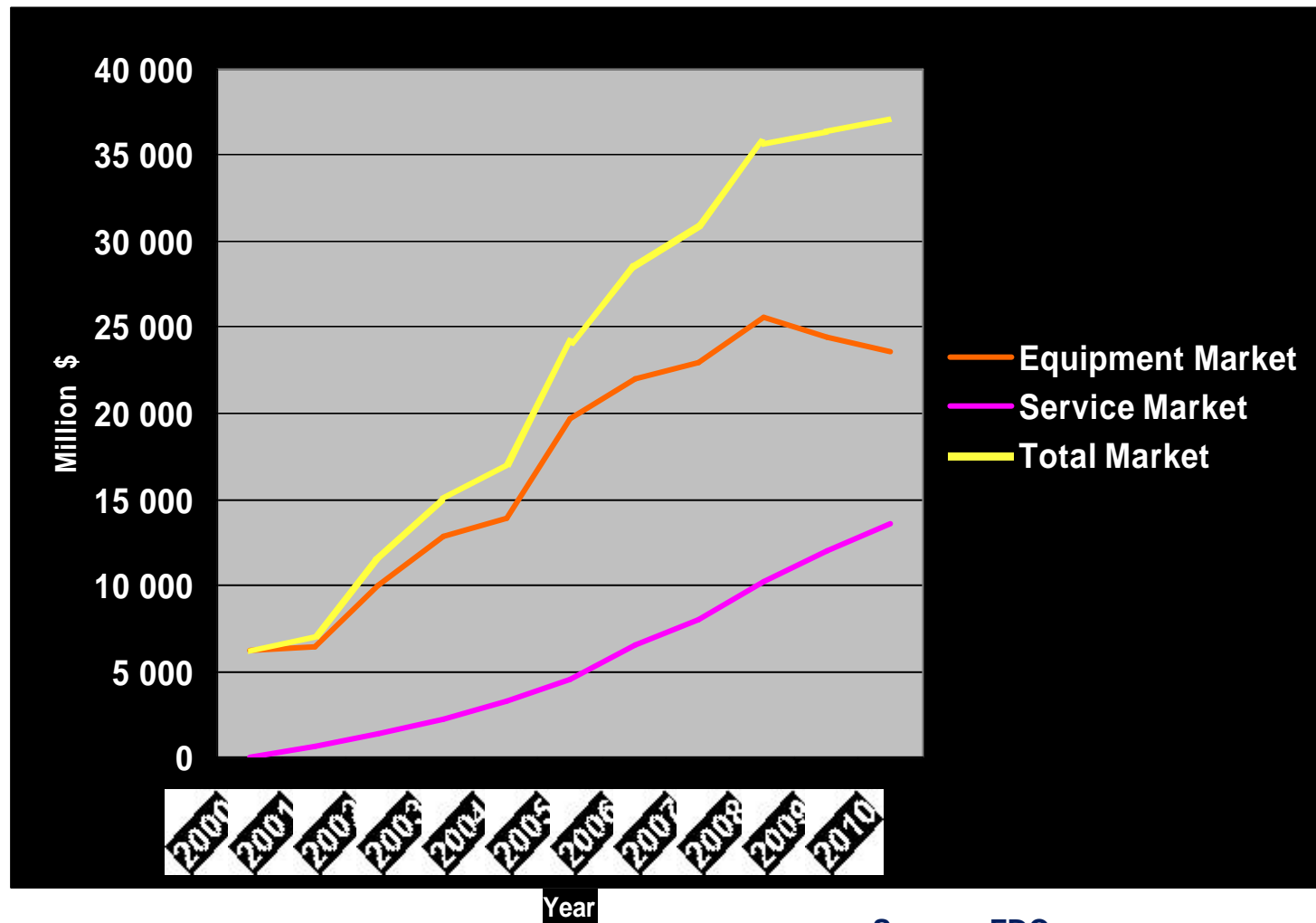


Source: EC Galileo Definition studies

# EUROPEAN GNSS MARKET



## REVENUES



Source: FDC

- Galileo Public-Private Partnership is creating a Market Pull rather than a Technology Driven system
  - Galileo, as a European System, already motivated the European Industry to make up for lost time in Satellite Navigation market
  - GALILEO will generate Brand-New Markets, in which European Industry is expecting to play a leading role
  - Galileo will provide Global services, generating a Global Market,
- ➡ **Market optimisation requires inter-Region cooperation on both Institutional and Industry sides**

## **EUROPEAN INDUSTRY OFFER**

# NEED FOR COOPERATION

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- **Cooperation is obviously the best way to increase cost efficiency and competitiveness of Industry:**
  - **Asia is the leading industry in car navigation and mobile services**
  - **European Industry is actively involved in the Galileo development and will therefore be among the first on the Galileo market**
- **Combining our Competencies and our Markets, is a key to increase both markets and generate huge benefits for both Regions and Industries**

## CONCLUSIONS

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- **OREGIN has been created to back up Public efforts, with the ultimate objective to jointly pave the way to the success of Galileo**
- **Cooperation between European and Asian Industry must be pursued and could generate huge mutual benefits**
  - **Complementary skills**
  - **Complementary markets**
- **OREGIN would be pleased to facilitate the creation of partnership and could, as of today, help Asian industry to find their European partners**

# INFORMATION



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