

Join a world-class cluster in France's Provence-Alpes-Côte d'Azur region ...

SECURED COMMUNICATING SOLUTIONS



The world-ranking "**Secured Communicating Solutions**" (SCS) cluster pools together **industrial, research and higher education players** in the region involved in the **microelectronics, telecommunications, software and multimedia** sectors. Their common goal is to integrate components, software and systems designed for secured and reliable data interchange and processing. The SCS cluster plays a vital role in France's R&D policy which is aimed at encouraging and promoting innovation and competitiveness.

The purpose of the cluster is to foster the emergence of cooperative innovation projects

It should thus enable the players involved to consolidate their positioning on the markets to which this cluster is geared, in developing new products, improving R&D productivity and reducing time-to-market. SCS also sees itself as a catalyst for the development of new markets in the tourism, healthcare, environment management, digital identification, traceability and logistics sectors, among others.



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Key figures

- 41,000 jobs in ICT
- A cluster supported by 25 major international groups ...
- ... that alone account for 13,000 jobs ...
- ... including 6,500 in R&D
- 330 partners directly involved in projects
- 1,200 researchers in the public sector
- 14 schools providing training for 1,500 engineers & doctorate researchers every year
- Over 100 joint projects
- A challenge involving 100,000 jobs over the next 10 years

THE MEASURE OF YOUR SUCCESS

Critical mass of players

→ Over 330 companies (industrial leaders & SMEs), public research laboratories, private research centres and university institutes are involved in the various projects

Undeniable international outlook

→ 25 major international groups employing 6,500 people in R&D

One of the only regions in Europe that boasts a highly-concentrated critical mass of expertise in the sectors of microelectronics, telecommunications, software and multimedia

→ A decisive lead in investment and research, with 1,200 researchers in the public sector who work in liaison with their partners on a daily basis

A cooperative initiative and shared tools

→ Major investment in 2005 and over 400 million euros in 2009, part of which has already been committed by the joint partners

World-ranking capacity for innovation and expertise in high-growth markets

→ A leading position in several markets: microelectronics, IT, smart cards, mobile and satellite telecommunications and business services

Visibility and complementarity with other regional, national and international clusters

→ The region boasts international visibility across the sectors concerned

Key standards bodies based in the region

→ Vital for European 3G and Internet telecommunications standards



All the dynamics of convergence



The *Secured Communicating Solutions* cluster fosters convergence between the microelectronics, telecommunications, software and multimedia sectors. It brings together businesses, research centres and universities involved in such innovative sectors as mobile Internet, smart cards, electronic labelling, satellite positioning and mobile tourism to work together on the same projects.

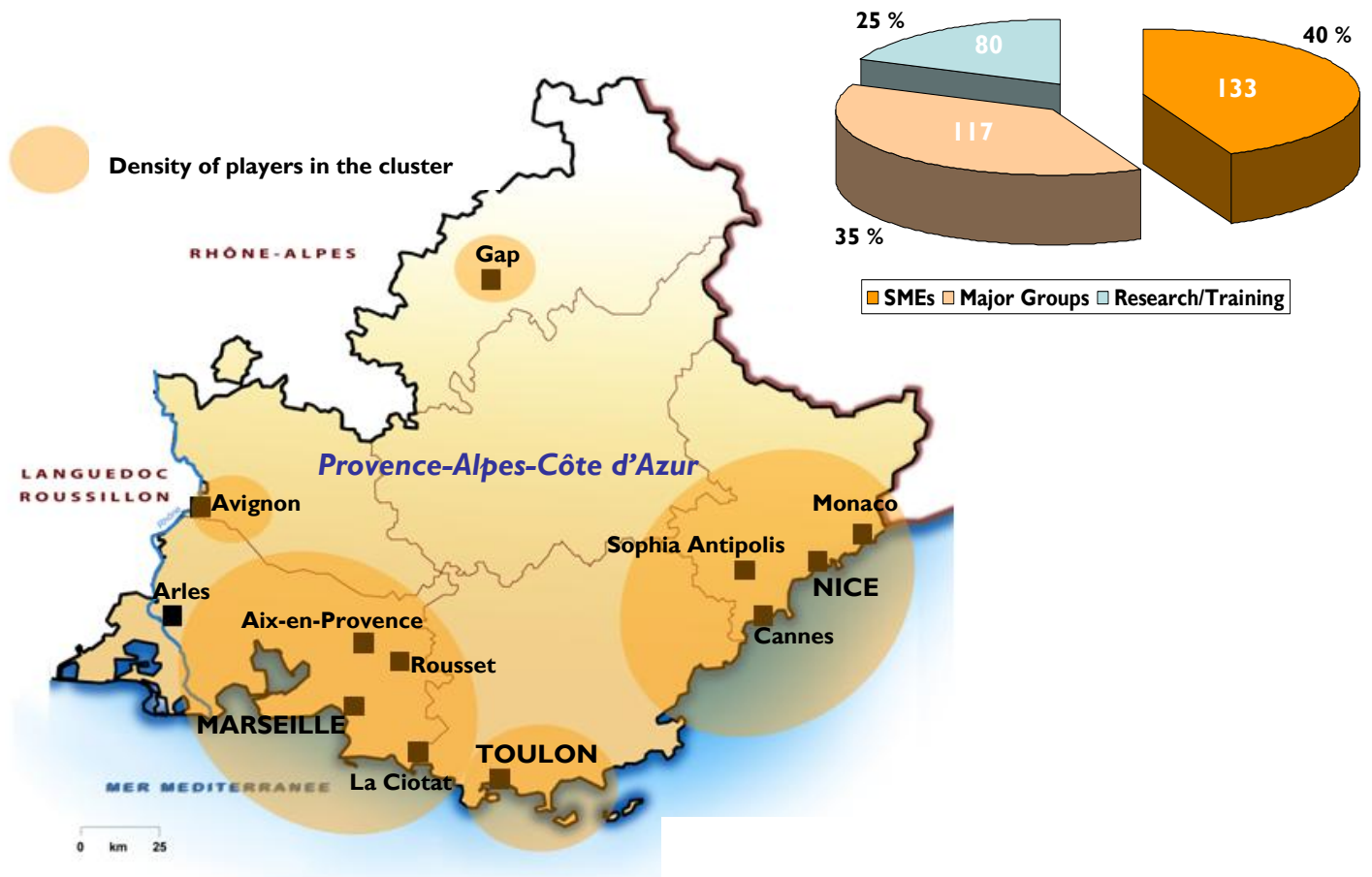


All the weight of technological excellence

- **Design and production of secure microchips and "systems-on-chip"**
 - Thanks to the presence of Atmel and STMicroelectronics manufacturing plants, Provence-Alpes-Côte d'Azur is the leading region for semiconductor production in France, with 40 % of domestic production based here
 - Leadership in flash E2PROM memories
- **Smart cards**
 - Gemplus, the world leader in smart cards, was founded in the Marseille region
 - High concentration of companies that develop cutting-edge "contactless" and RFID technologies
- **Components for mobile technologies**
 - ARM, Atmel, Philips, STMicroelectronics and Texas Instruments, etc.
- **Satellite telecommunications**
 - Alcatel Alenia Space, Europe's leading manufacturer

All the strength of a cluster

Strong network effect : even more than 330 enterprises (Small & Medium Enterprises and Major Groups), laboratories and higher education centers, involved in the projects.



A competitive offer

■ ... that covers the entire value chain



■ ... in emerging growth markets

➔ Healthcare, tourism, security, mobile communications, natural risks, environment, digital ID, traceability, connectivity and logistics, etc.

Industrial leaders based in the SCS cluster



amADEUS



PHILIPS





Projects

- The cluster pools resources for **over 100 projects**
- Including the following key projects:

M-Tourisme

Promoting technological innovation in the Tourism sector and developing mobile technologies designed for travellers.
Applications: e-commerce, virtual tours, geolocation, traceability, security, etc.

Multimodal platform

Deployment of a prototype multi-standard, cellular & fixed and wireless network, in a real-world environment, in order to define the hardware and software architectures required for the terminals and base stations of the future.

PAC-ID

A project aimed, for example, at the healthcare sector, as in the case of:

- **“BioBanque”**: an RFID solution that fulfils the needs of personalised healthcare thanks to the identification and tracking of biological samples and data integration. An example of its application: cancer research using “tumorothèques” – tumour databases.
- **“Parcours Patient”**: wireless communication technologies used throughout the entire patient care process in hospitals.

Trust-Me SSIMM

To create a climate of confidence for new services developed on the basis of mobile telephony.
Designing **Solutions Sécurisées pour l’Internet Mobile Multimédia**: video and audio downloads, secure messaging connections, mobile-travel, mobile-payment, mobile-TV, personal data storage, etc.
Leading development for future fixed/mobile convergence

The SCS cluster: boosted by a favourable environment

- **Professional associations, including:**
 - **ARCSIS – Association for Research on Components and Secure Integrated Systems – Rousset**
 - **TELECOM VALLEY – Telecommunications and Information Technologies in the PACA region – Sophia Antipolis**
 - **SOPHIA ANTIPOLIS FOUNDATION**
 - **together with many others: Med Multiméd, Baby Smart, MedInSoft, etc, directly dedicated to small & medium enterprises**
- **Standards bodies**
 - **ETSI – European Telecommunication Standard Institute – Sophia Antipolis**
 - **W3C Europe – World Wide Web Consortium – Sophia Antipolis**
- **Research and training institutes**
 - **Provence Aix-Marseille Universities**
 - **Nice-Sophia Antipolis University**
 - **CNRS – France’s National Scientific Research Centre – Marseille and Sophia Antipolis**
 - **EURECOM Institute– School of Engineering and Research Centre specialising in communications systems– Sophia Antipolis**
 - **INRIA – French National Institute for Research in Computer Science and Control – Sophia Antipolis**

Contact

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