

# OPTITEC

**a national competitiveness  
cluster**

**optical and imaging complex  
systems**

# PÔLE D'ANTICIPATION TECHNOLOGIQUE

- **POPsud (2000)**
  - Association
  - Regional network in southern France created in 2000
  - Parity between companies/laboratories
- POPsud's strategy
  - To meet each other → a regional network (meetings, visits, research workshop, directory, roadshows, international promotion, technological and marketing surveys, ...)

# PÔLE D'ANTICIPATION TECHNOLOGIQUE

- POPsud's strategy
  - *To work together* → 17 shared equipments platforms ~ 7M€ over 6 years
  - *To launch innovative projects into a common framework : OPTITEC*
- **OPTITEC is a european innovation center project specializing in Optics-photonics**
  - Technological Innovation
  - European-scale cluster

## PÔLE D'ANTICIPATION TECHNOLOGIQUE

- Key elements about OPTITEC (1/1)
  - Critical technology
  - A two-figure growth linked to the boom of industrial applications
  - Regional excellencies (~20% of french optics R&D)
  - A strong players federation in POPsud
- Through the national label : « competitiveness cluster »
  - A national organisation (CNOP's support)
  - International visibility

# PÔLE D'ANTICIPATION TECHNOLOGIQUE

- Strategic application fields
  - Applications :
    - Space, defense, observation
    - optical tools for industrial process
    - Health and biophotonics
    - Energy and environment
  - Components
    - Sensors, optical components for ICT
    - Lasers, Instrumentation...

# PÔLE D'ANTICIPATION TECHNOLOGIQUE

- Key datas
  - Employment :
    - 4000 high skilled jobs in « optics-photonics »
    - +1500 researchers
  - regional R&D activities :
    - Turnover > 720 M€ (annual worldwide growth about 15%)
    - 15% of turnover reinvested in R&D
    - Exports' rate : 35%

PROVENCE>ALPES>CÔTE D'AZUR  
TERRE DE LUMIÈRE

NOLOGIQUE



### Région PACA / France

4.5 M people (7.6 %)

6.8 % GDP

8.3 % R&D

6.2 % private R&D

8.8 % companies creations

~ 20 % french photonics

About 100  
innovative  
companies

30 laboratories

# PÔLE D'ANTICIPATION TECHNOLOGIQUE



• A Multipolar organization

• bridgehead :

• on the Science park of Château-Gombert Marseille Provence

• Thematics ressources

• Toulon : Sea

• Sophia Antipolis : imaging

• Cannes : space

• Aix en Provence : Environment/Energy

- Advantages linked to competitiveness cluster's labellization
  - Tax exemption for R&D activities linked to photonics projects
  - public funding for innovative projects
  - National positioning
  - Cooperation with Rhône-Alpes.

# PÔLE D'ANTICIPATION TECHNOLOGIQUE

- R&D projects :
  - Shared equipments platforms (2001-2003) : 7M€
  - New call for projects in november 2005
  - 21 projects labellized needing 30 M€ over 24 months

Markets targeted	Numbers projects
Space-Observation	6
Industrial tools	4
Biophotonics, medical imaging	3
Telecoms	2
LED-	3
Components	3