



Antonio Ferrara

Presidente A E R O P O L I S

I'Industria Aerospaziale NELLA REGIONE CAMPANIA



***SEMINARI INTERDISCIPLINARI DI CULTURA
AERONAUTICA***

**II Ciclo – 1° incontro
23 maggio 2015**

**Prospettive del comparto
aeronautico campano
Al netto del contributo delle
aziende che interverranno nel
corso della mattinata**

*Aula "S. Bobbio", Scuola Politecnica e delle Scienze di Base – P.le
Tecchio*

INTRODUCTION



- **200 ACTORS IN THE SECTOR: LARGE AND SMI, RESEARCH CENTER, LABORATORIES, CONSORTIA, ETC (5 Universities not included)**
- **Approx 220 PLANTS IN THE REGION**
- **25 COMPANIES HAVE HEADQUARTER OUT OF THE REGION**
- **SIX CONSORTIA (ALI, Antares, CALTEC, CHAIN, Consaer, SAM) GROUP APPROX 70 COMPANIES**

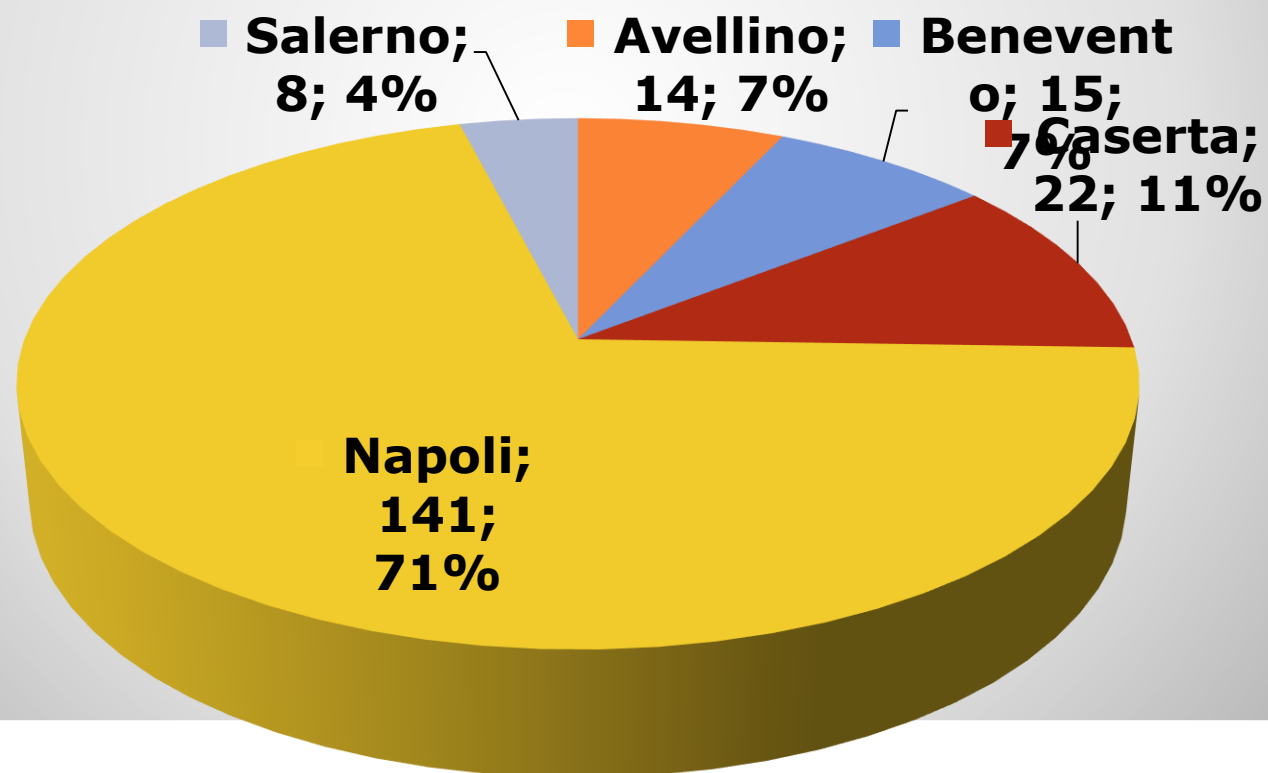
Data sources from website of:

- *Regione Campania*
- *Campania Aerospace*
- *Consortia*
- *Single company*

INTRODUCTION



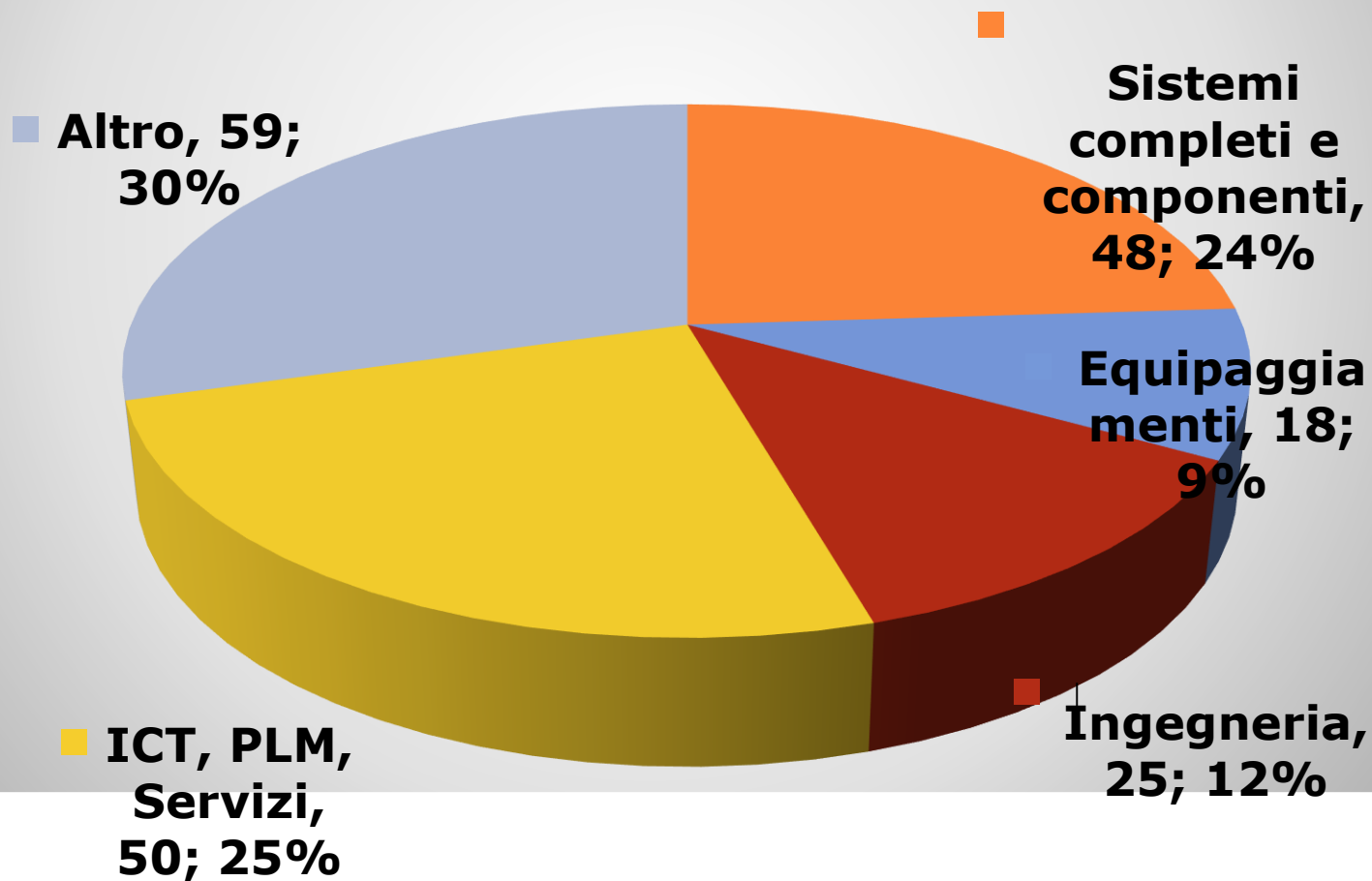
ALLOCATION (by Province)



INTRODUCTION



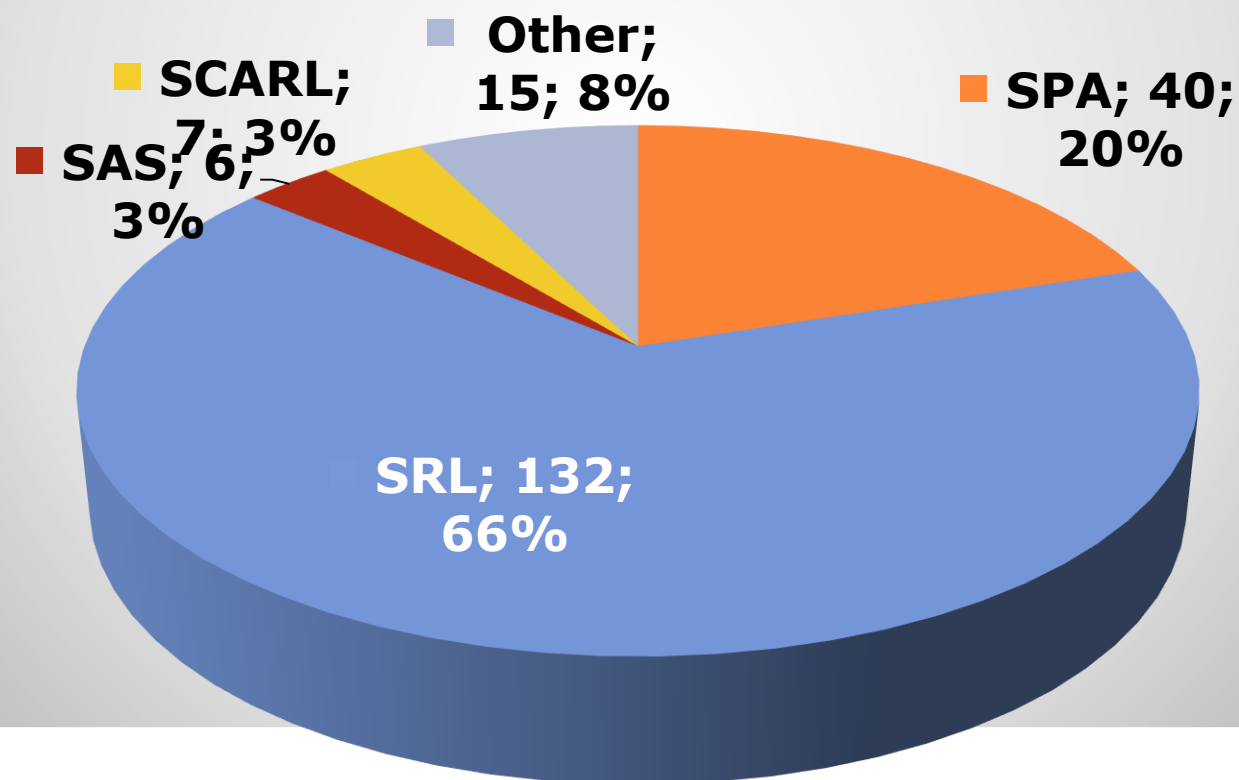
ALLOCATION (by type)



INTRODUCTION



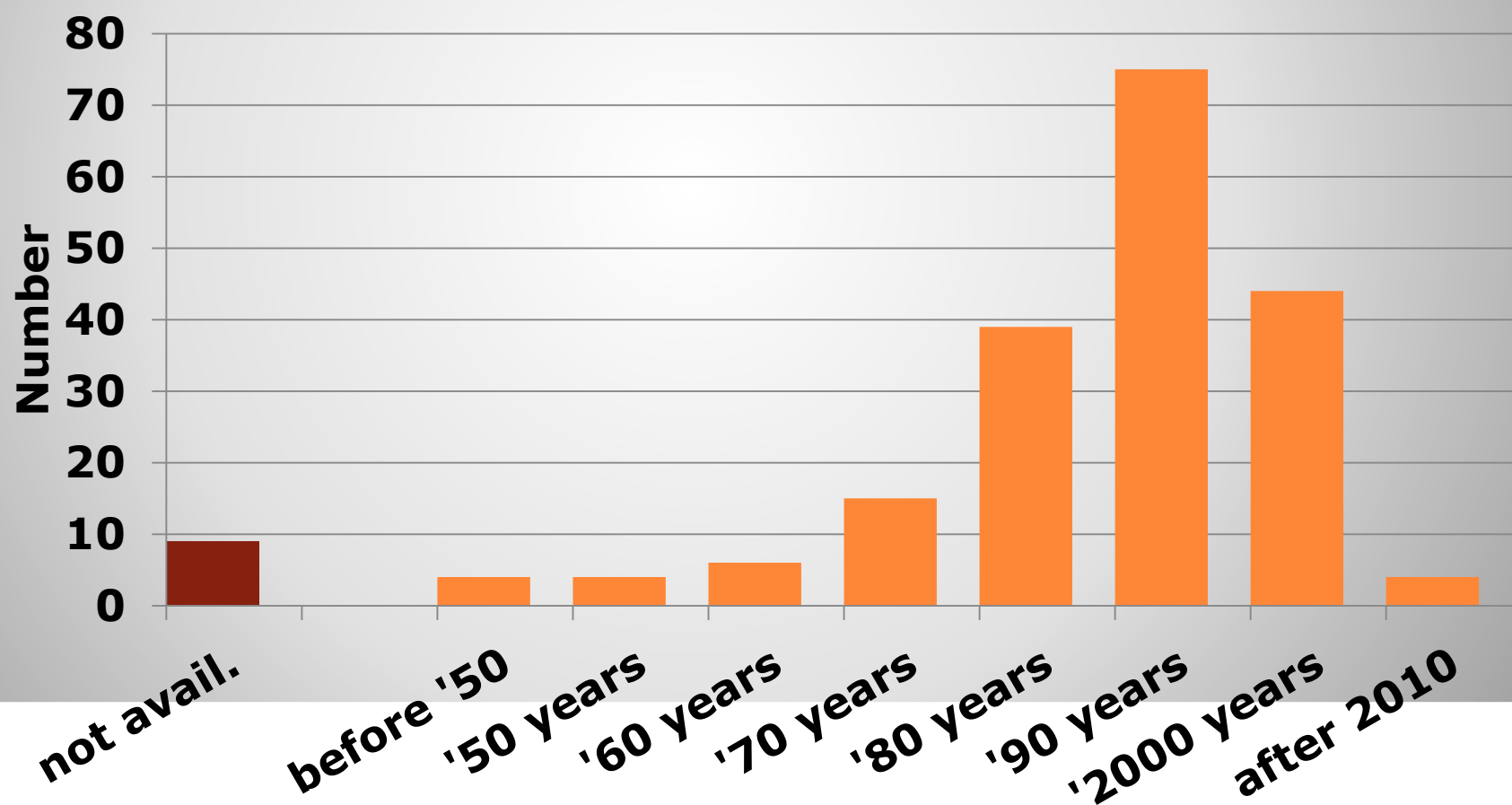
ALLOCATION (by business name)



INTRODUCTION



ALLOCATION (by establishment period)



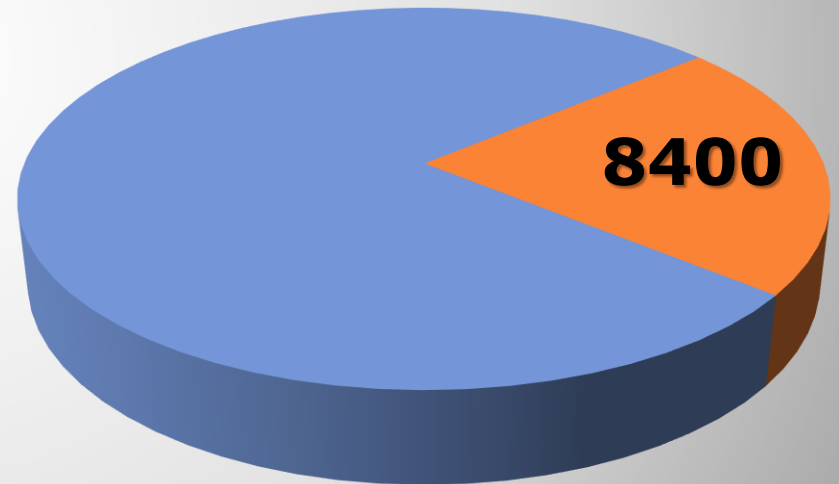
Aerospace industry in campania today

ONE THE MOST IMPORTANT INDUSTRIAL SECTOR IN
CAMPANIA

Revenues (€ million)



Employees (units)



*2013
data*

■ Campania share

THE CAMPANIA Aerospace TECHNOLOGICAL DISTRICT



From May 30 2012: DAC –
*Distretto Tecnologico Aerospaziale
della Campania* establishment

- 6 main companies
 - 128 SME
 - 11 research center
- €117 millions invested in 12
strategic research programs

Industrial partners



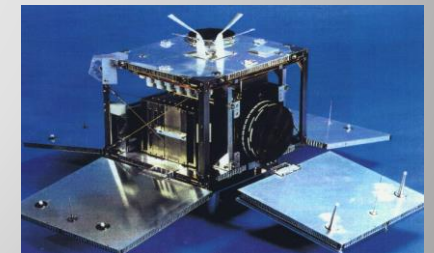
Research partners



DEVELOPMENT LINES

Four main pillars identified:

- I. COMMERCIAL AVIATION** for the development of enabling technologies and technologies for the design and production of the new regional turboprop
- II. GENERAL AVIATION** for the development of manufacturing and assembly of light aircraft for Business & General Aviation
- III. SPACE AND CARRIERS** for the design and development of space platforms such as micro satellites and dual technologies related to carriers and systems for logistic and communications
- IV. MAINTENANCE AND TRASFORMATION** for the development of new methodologies of maintenance and transformation





Dati Esportazione in CAMPANIA 2014/13

Comparto Aeronautico campano -6.6 % -7.7M €

Distretto lombardo	+ 14.8	
Distretto pugliese	+ 15.5 %	+ 60.1 M €
Distretto laziale	+ 13%	

The main companies



Est. 1916
Aircraft main structures
3 plants: Pomigliano d'Arco (NA), Nola (NA),
Capodichino (NA)
Approx 4000 employees



Alenia Aermacchi

A Finmeccanica Company

Avio Aero
A GE Aviation Business

Est. 1939

Aero Engines Component Repair and O
Plant in Pomigliano d'Arco (NA)



Ititech

Est. 1989

Aircraft MRO
Plant in Capodichino
(NA)



Est. 1999

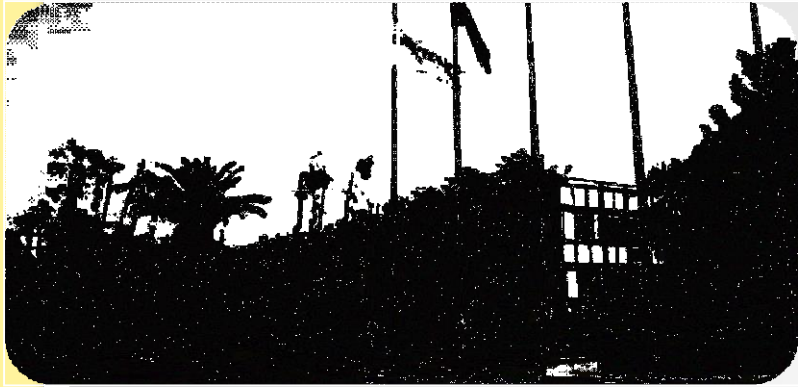
Engine components

Plant in Morra de Sanctis (Av)



ALENIA AERMACCHI IN CAMPANIA

Aeropolis.it



**Pomigliano d'Arco
plant**



Nola plant

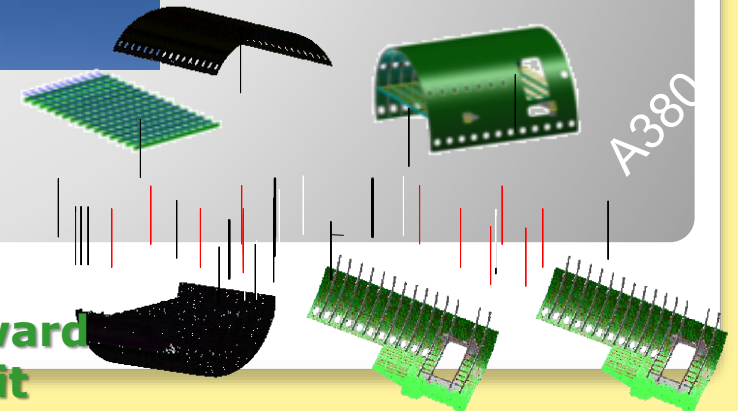


Capodichino plant
**Sold to ATITECH in
2015**



A T R

**Centre fuselage
upper units**



A380

**Centre-forward
lower unit**



THE GENERAL AVIATION COMPANIES



Luigi Pascale
Napoli
Professor, aircraft
designer

From

PARTENAVIA

Est. 1948



QUALITY AIRCRAFT SINCE 1948

TECNAM

Est. 1986

**2 Plants in Capodichino (NA),
Capua (CE)**



Est. 1989

Plant in Capua (CE)



Est. 1996

**Plant in Capodichino
(NA)**



Other main companies



Est. 1936
Landing gears and hydraulic systems
2 Plants in Naples, Arienzo (CE)



Est. 1993
Aerostructure components
3 Plants in Somma Vesuviana (NA), Pomigliano d'Arco (NA), Paolisi (BN)



Est. 1989
Aerostructure components
2 Plants in Airola (BN), Acerra (NA)



Est. 1984
Interiors
Plant in Nola (NA)



Est. 1920
Tools & Jigs
Plant in Pomigliano d'Arco (NA)



Est. 1973
Aerostructure components
2 plants: Cercola (NA), Cicerale (SA)



Cira - Centro Italiano di Ricerche Aerospaziali



- Born in 1984 to manage PRORA, the Italian Aerospace Research Program
- CIRA is a company with public and private sector shareholders

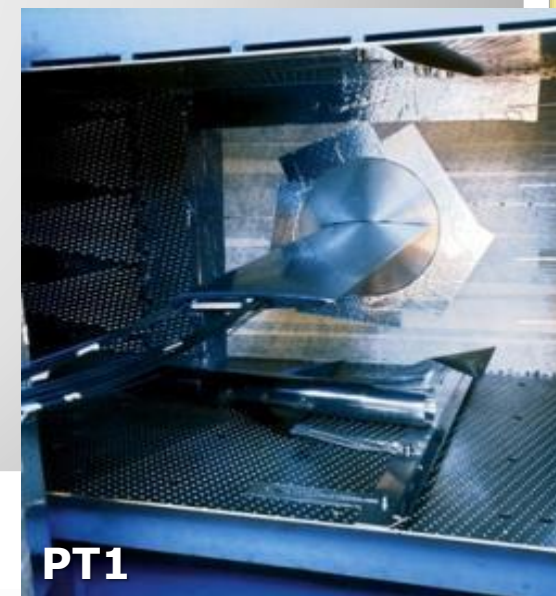


Cira - Centro Italiano di Ricerche Aerospaziali



Major facilities:

- Icing Wind Tunnel (IWT)
- Plasma Wind Tunnel (PWT)
- Aerospace Structures Impact Lab (LISA)
- PT1 Transonic Wind Tunnel
- GIBLI hypersonic plasma tunnel



Five UNIVERSITIES involved in aerospace research



CASERTA

BENEVENTO



NAPOLI

AVELLINO



SALERNO



THE ITALIAN AIR FORCE ACADEMY

Aeropolis.it

Established in Pozzuoli (NA) in 1961 to provide military and ethic education to Italian Air Force officials



THE AIRPORT SYSTEM



200 M€ di denaro pubblico per il comparto aerospaziale campano



Conseguenze criticità

PROGETTO SKA (il più grande radiotelescopio)

Vicenda Capodichino, su cui interverrà
tra poco il dott. Lettieri di Atitech

PianoFinmeccanica

TELESPAZIO

Aeronautica

- **Fallimento piano 3R**
- **Nuovo turboelica**
- **Aerostrutture / PMI Politiche della supply chain**
- **SKY perdita del progetto / PMI Italiane**

GOVERNANCE

***Sottosegretario alla PRESIDENZA DEL
CONSIGLIO***



Alle politiche dell' aerospazio per la gestione dei progetti di ricerca e supporto ai fondi europei per la ricerca che attualmente nel comparto aeronautico più che in tutti gli altri settori industriali, le imprese italiane recuperano poco più della metà delle risorse con cui l'ITALIA contribuisce ai fondi europei per la ricerca e l'innovazione