

CAMPANIA AEROSPACE TECHNOLOGICAL DISTRICT



DAC



Campania

Aerospace District



FLYING TOWARDS THE FUTURE

DAC took its first steps some years before 2012, the year when it was formally founded in the Campania Region.

Thanks to its great scientific and industrial story in both the aviation and aerospace sectors, the Region gathered public and private organisations (universities, companies, research institutes) – branded as Campania Aerospace Technology Network – to write a white paper on the Campania aerospace sector, that is, the first report on the regional vision regarding the aerospace supply chain.

Following to this, the Campania Region decided to form the Committee for the setting up of the Aerospace District, and put together the interests of the business and work system, research institutes and universities. The paper does not only describe the state-of-the-art of the sector, but lays the foundations of how the players involved imagine the future of the aerospace sector in Campania.

In 2012, the Italian Ministry of Education, Universities and Research issued a call for the creation of new technological clusters and new hi-tech districts in the regions of the EU Convergence objective. The Campania aerospace district applied and ranked first in Italy where it was the first one to set up as a company – counting 30 partners at the beginning and about 400 thousand Euros of share capital.



DAC started its activity and nominated some projects to be financed with National and Regional calls to support the need of technology innovation in all regional aerospace sectors. In this context DAC put itself in the most advanced position of the value chain, that is, in the segment that aims at transforming the research outcomes into opportunities for companies, to increase competitiveness, create jobs and market opportunities.



To date DAC has managed research projects on regional, national, and European calls – global funding of about 150 millions distributed among all those who contributed to designing, and developed highly innovative technology.

The success rate under approval amounted to nearly 85% (one of the highest) with 95% ratified reporting.

DAC currently represents the vast majority of revenue and number of employees in the aerospace sector, which is the second largest in Italy after Lombardy in terms of revenue and first in Italy in terms of workforce.



**24 Large
Enterprises**

**19 Research
Organization**

**145 SMEs
and other entities
associated in
13 Consortia**

THE MISSION

Established in May 2012 within the frame of the National Operational Program “Research and Competitiveness”, the Aerospace District of Campania (DAC) is a network that brings together the protagonists of the aerospace sector present in the region.

It includes the main industrial and scientific players in the sector which in Campania plays a leading role in terms of technological content, scientific skills, know-how, industrial tradition and turnover, as well as for export capacity and number of employees.

The priority mission is to foster synergies amongst the technological and production excellences of the network in the perspective of an enlarged supply chain and a compact industrial ecosystem to promote greater commercial penetration capacity.

An additional objective: to support associated SMEs in their renovation path, to facilitate their accessibility to new business opportunities, to promote collaborative processes and exchange of experiences and best practices, to activate structural synergies.





DAC is a founding partner of the European Aerospace Cluster Partnership (EACP), a network of 45 Aerospace Clusters distributed within 18 European countries.

DAC is a founding member of the National Technological Aerospace Cluster (CTNA) and a member of the Global Spaceport Alliance (GSA), ACARE-It, the Italian Cluster for acircular bio-economy (SPRING) and the Italian Space Platform SPIN-it.

Its development model aims to face the future new scenarios and competitive challenges by leveraging on the consolidation of the skill patrimony and on the integration of regional excellences in the sector. It stimulates industry collaboration with research centres and universities to create concrete business opportunities, conditions of continuous growth and innovation through the sharing of technological assets.

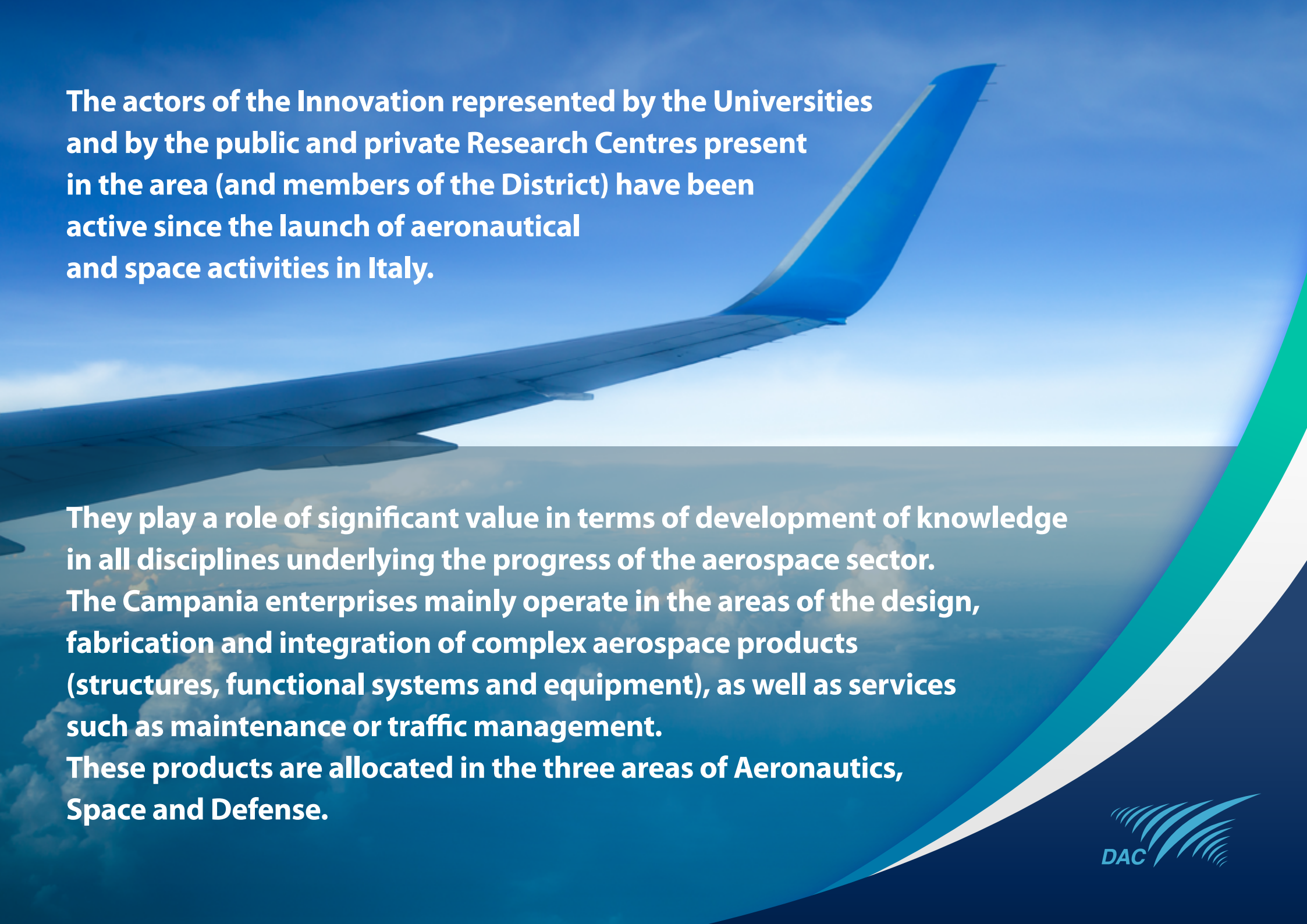


TECHNOLOGICAL OFFER OF THE CAMPANIA AEROSPACE SECTOR

In the economic system of the Campania Region, the aerospace production chain plays a leading role, representing an element of development of the Campania territory both in terms of industrial presence and for the high content of its scientific and technological knowledge.

A collaborative research system was introduced thanks to the integration and coordination action carried out by the District between its industrial and scientific partners, with an effective impact on industrial products.

The industry membership of the District includes the major national and international companies present in the Campania Region with design and production activities. It is complemented by a large number of SME members present in the value chain, capable of operating with technologies and production processes according to quality and precision standards typical of the aerospace industry.



The actors of the Innovation represented by the Universities and by the public and private Research Centres present in the area (and members of the District) have been active since the launch of aeronautical and space activities in Italy.

They play a role of significant value in terms of development of knowledge in all disciplines underlying the progress of the aerospace sector. The Campania enterprises mainly operate in the areas of the design, fabrication and integration of complex aerospace products (structures, functional systems and equipment), as well as services such as maintenance or traffic management. These products are allocated in the three areas of Aeronautics, Space and Defense.

SECTORS OF SPECIALIZATION

COMMERCIAL AVIATION



Development of methodologies and enabling technologies to design and build new regional aircrafts.

GENERAL AND BUSINESS AVIATION



Development of manufacturing and assembly techniques for Business & General Aviation (B&G Aviation) light aircrafts.

SPACE, HIGH SPEED AND SUBORBITAL SYSTEMS



Design and development of technologies and space platforms, such as microsatellites and high speed systems, as well as logistics and communication systems.

MAINTENANCE AND OVERHAULING



Development of innovative technologies and methodologies applicable in the Maintenance and Transformation sector.

TECHNOLOGICAL PLATFORMS

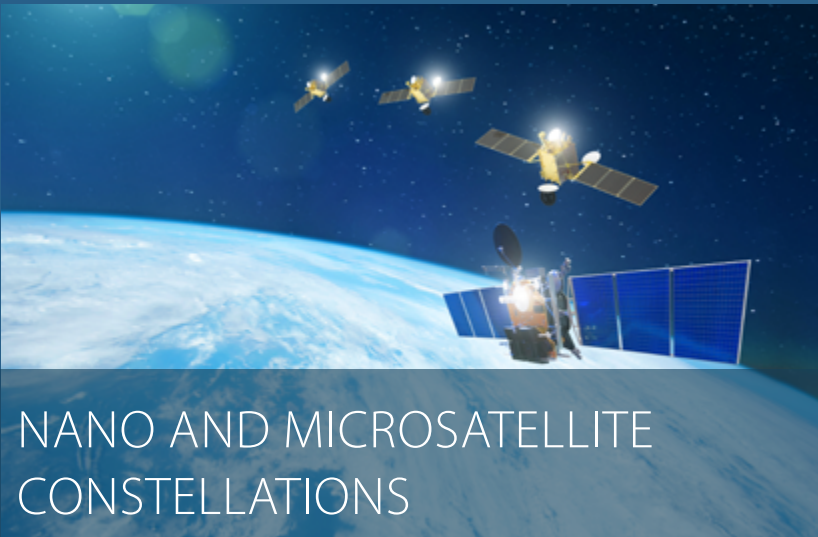
HYPERSONIC FLIGHT



URBAN AIR MOBILITY (UAM)



NANO AND MICROSATELLITE
CONSTELLATIONS



DIGITALIZATION OF INDUSTRIAL
PROCESSES



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