

Toulouse

European Capital of Space



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Agence d'Attractivité **Toulouse**
Tourism - Meetings - Business





Inception of CNES, the French space agency.

1961

Inception of SPOT image, first company to sell Earth observation data.

1978

Creation of the current Airbus Defence & Space site southeast of Toulouse.

1982

Inception of CLS (Collecte Localisation Satellite) a CNES spin-off.

1983

Creation of the current Thales Alenia Space site.

1986

Creation of the European leader in operational oceanography Mercator Ocean.

1991

Météo France central services for weather forecasting, climatology, and IT are transferred to Toulouse.

2002

Creation of the global competitiveness cluster, Aerospace Valley.

2004

Beginning of the ROSETTA space mission piloted from Toulouse.

2005

Inception of the FIMOC, French Instrument Mars Operation Center.

2008

ESSP, the European Satellite Service Provider and EGNOS operator choose to set up in Toulouse.

2014

Opening of the B612 aerospace innovation center.

2017

Opening of the 4,600 m² fully automated OneWeb FAL.

2018

2020

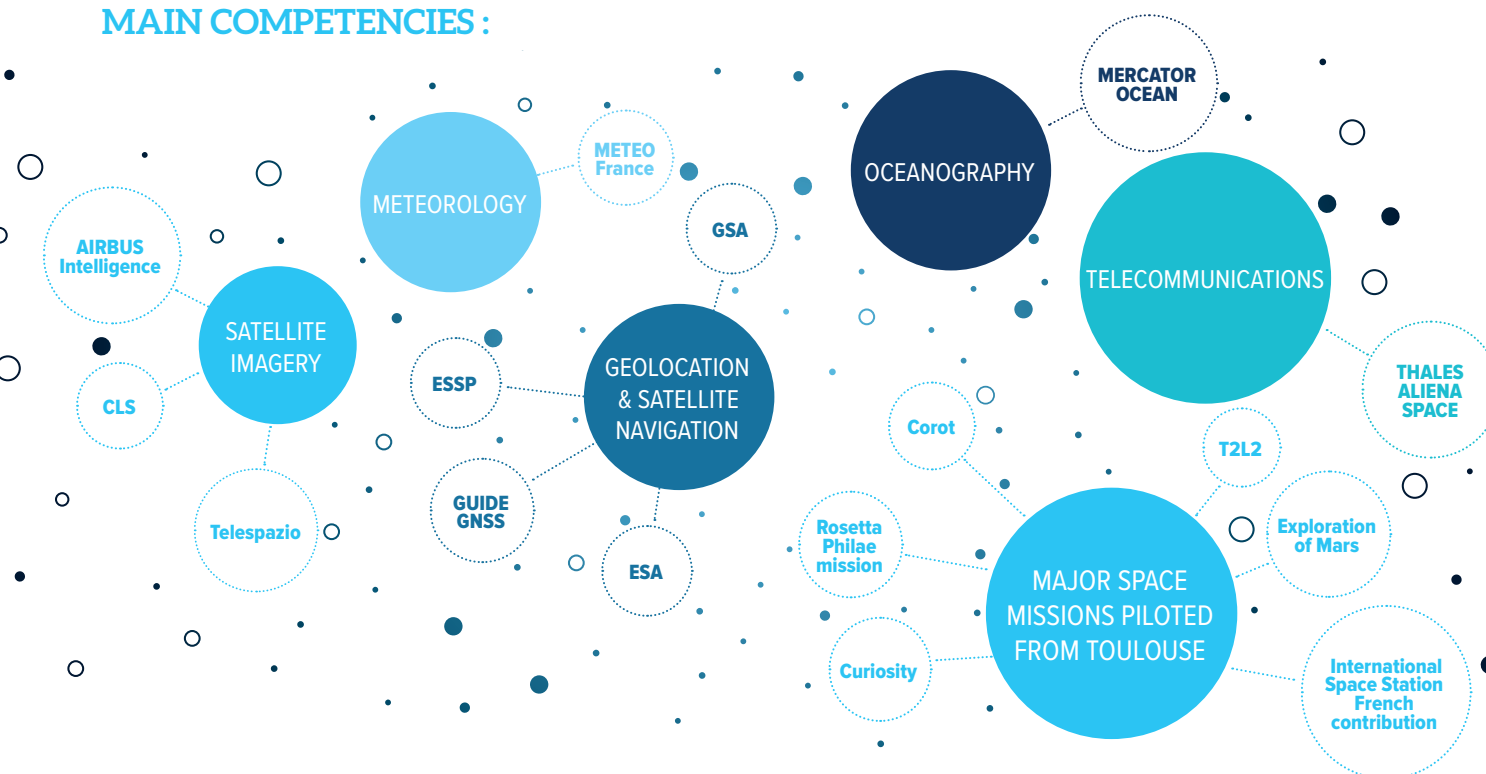
Toulouse to host Global Space, the largest event in the world dedicated to the space industry.

Toulouse, pioneer city in the space sector

European Capital of Space



MAIN COMPETENCIES:



TOULOUSE ALSO BENEFITS FROM TOP LEVEL ENGINEERING SCHOOLS AND LABORATORIES:

ISAE | ENAC | ONERA | CNRS | LAAS | IRAP | IRT SAINT-EXUPÉRY | OBSERVATOIRE MIDI-PYRÉNÉES

Toulouse takes the lead in NewSpace

PLENTY OF PROMISING PROJECTS DEVELOPED IN TOULOUSE:

- **AIRBUS Defence & Space** through a JV with **ONEWEB** has launched the manufacturing of its first satellites in Toulouse. The OneWeb constellation aims at providing internet to people everywhere.
- **Eutelsat Communications, TAS & Orange** have joined forces to develop the next-generation VHTS satellite system named **KONNECT VHTS**, to support the development of its European fixed broadband and in-flight connectivity businesses.
- **Kineis**, spin-off of **CLS**, aims at bringing IoT everywhere with its constellation of 20 nanosatellites.

A UNIQUE CONCENTRATION OF SPACE INDUSTRY PLAYERS







The NewSpace industry is already gathered into a cluster in Toulouse called the "NewSpace Factory." This cluster gathers **10 French industrial talents**. Altogether, their capabilities cover the whole space value chain: engineering expertise, satellite units, payload, small platforms, testing means, ground software, ground antennas, and much more.




Toulouse boasts a high concentration of space industry companies with all main players located within a **20 km block**.



Space Apps and Services

LEADING ECOSYSTEM FOR SPACE APPLICATIONS

-  **CLS** is a worldwide company and pioneer provider of monitoring and surveillance solutions for the Earth.
-  **TerraNIS** develops geoinformation services for agriculture and the environment.
-  **Mercator Ocean** monitors, describes and forecasts the ocean at any location in the world, from the ocean floor to its surface.
-  **Magellium** is an expert in signal and image processing, geomatics, intelligent systems, and robotics.
-  **GEOSYS** is developing innovative solutions for agribusiness that optimize resources, improve yields, and reduce hazards.
-  **Makina Corpus** is a company specializing in open-source software, cartography, and data analytics.

-  **Noveltis** performs environmental modeling and processing of geophysical observations for coastal management, environmental observation, pollution control, & renewable energy.
-  **Harris** solutions connect, inform, and protect the world from the ocean to orbit and everywhere in between.
-  **MobiGIS** is a publisher of GIS transportation solutions and a geomatic service provider.
-  The **FabSpace** is an open-innovation network for geodata-driven innovation and fosters creation of new services based on space data.
-  **Pixstart** uses machine learning to deliver insights from satellite images to decision makers.

LARGE RANGE OF BUSINESS APPLICATIONS



PLATFORM FOR SPACE APPS AND DATA HOSTED IN TOULOUSE

To facilitate and standardize access to space data, the European Commission has funded the deployment of five cloud-based platforms providing centralized access to Copernicus data and information, and processing tools as well. These platforms are known as the DIAS (Data and Information Access Services).

Five DIAS have been selected and 3 of them are located in Toulouse:



ACCELERATION OF YOUR SPACE PROJECTS

Located at the heart of the aerospace ecosystem in Toulouse, the **B612 building** is dedicated to R&D and technological development in aeronautics, space, and embedded systems.



Inside this building, **B612 Acceleration** has been created by Toulouse Métropole and Aerospace Valley, to support companies and innovative projects with two complementary acceleration programs : DISTRICT and COCKPIT.



ESA BIC Sud France is the European Space Agency's 1st incubator created in France. ESA BIC Sud France supports innovative startups related to the space sector. Aerospace Valley is in charge of the coordination.



ActInSpace is an international innovation contest initiated by the French Space Agency (CNES) and supported by the ESA uniting over 100 cities across 5 continents. The focal point of ActInSpace is in Toulouse. Since its 1st edition, 35 startups have been created thanks to ActInSpace all over the world.



FREE AND CONFIDENTIAL ASSISTANCE THROUGH EACH STEP OF YOUR SET-UP

Invest in
Toulouse



Toulouse Métropole Development Agency
Agence d'attractivité de Toulouse Métropole
1, allée Jacques-Chaban-Delmas
31500 Toulouse - France

Tel. +33 5 34 25 58 20
contact@toulouseatout.com
@12Toulouse
invest-in-toulouse.com