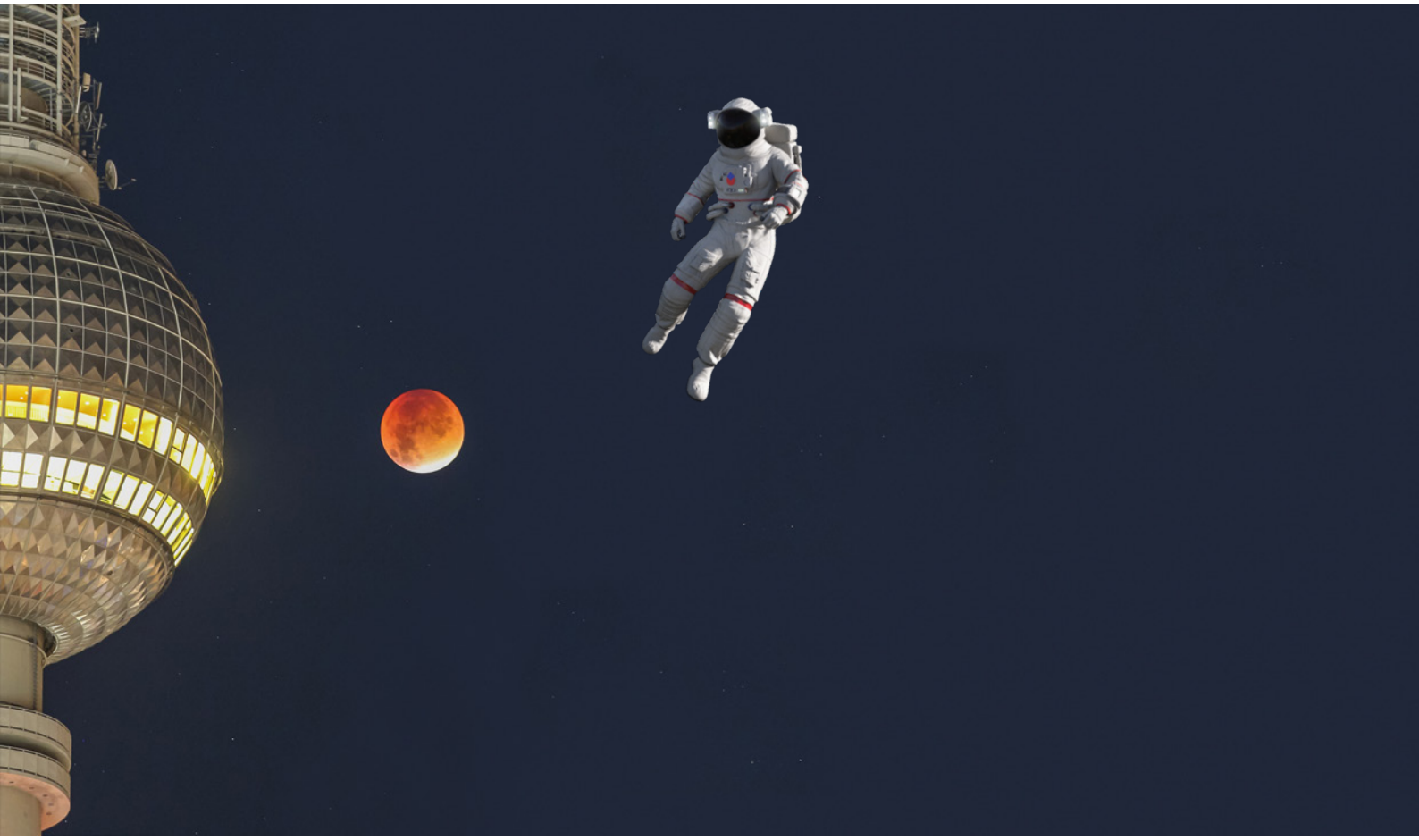
LAND BRANDENBURG

BERLIN



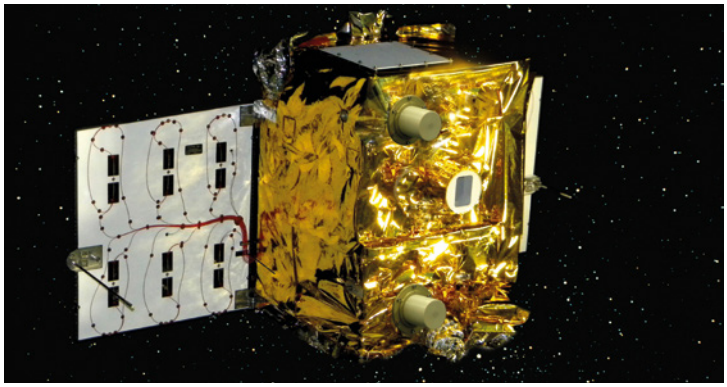
New Space

in the Capital Region Berlin-Brandenburg

THE GERMAN CAPITAL REGION

excellence in mobility

Neurospace team with their prototype of a new generation lunar rover



Model of TET-1 Satellite by Astro-und Feinwerktechnik Adlershof

Companies (selection)
2BCOM Space
3DCeram Sinto Tiwari
AI: Aerospace Innovation
AIRBUS Defense & Space
Alberding Deutschland
Arquimea
Astro- und Feinwerktechnik Adlershof
ASML Berlin
Berlin Space Technologies
beSpace
Blue Sky Solutions
Canlas Laser Processing
DBS AEROSPACE
DELPHI IMM
DiGOS Potsdam
Toptica Eagleyard Photonics
Endurosat
Esri Deutschland
Exolaunch
Ferchau Engineering
First Sensor
geoSYS
Germania Werk Schubert
German Orbital Systems
HERE Technologies
HSA Microtech
IQ Wireless
JellySpace
LiveEO
Magson
MO-SPACE
Neurospace
NICOMATIC
Optris
Orbit Recycling
Orion Additive Manufacturing
Paraloon
Planet Labs Germany
Point Cloud Technology
Quantum Galactics
Reflex Aerospace
Resonic
Rivada Space
SAP
Soltrac
Sonaca Space
Space Food
Space Structures
ST Engineering

Berlin-Brandenburg: Germany's New Space hotspot

In recent years, private space and satellite activities have developed rapidly around the world. They play an important role in addressing global challenges. New technical possibilities facilitate applications in many areas - from climate protection, agriculture, disaster and environmental protection, energy supply, telecommunications to automated transportation. Berlin is one of the hotspots of this development.
Berlin's facilities for small and nanosatellites are among the world's pioneers and have rapidly gained commercial importance. More than 70 companies and research institutes from the German capital region are involved in the space sector and, with their diverse expertise and specializations, form a holistic, interdisciplinary center of competence for space technologies and applications.

"From Berlin-Adlershof we plan space missions to objects of our solar system and to search for planets around distant stars. We develop hardware and software components and algorithms for data analysis. The region's research institutions and space industry offer ideal conditions for this interdisciplinary work."

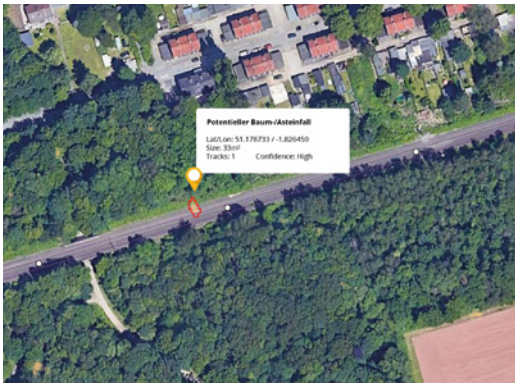
Prof. Dr. Heike Rauer, Head of the Institute of Planetary Research, German Aerospace Center

"Small satellites are the future of spaceflight; Berlin is both the cradle of this technology and their most important German location today. This innovation has been taking place at companies, research institutions, and universities for more than 20 years. Thus, the value chain from system technology to the marketing of data products is at home in the German Capital Region."

Dr. Sebastian Scheiding, CEO, Astro- und Feinwerktechnik Adlershof GmbH

Excellent research

The Technische Universität Berlin has more than 30 years of experience in the development and operation of satellites. It is one of the world`s leading universities in this field, with several satellites in orbit and many more under construction. In addition to miniaturization of small satellite technology, components and systems, ongoing research activities include sounding rockets and planetary rovers, including mission operations technology.
The second major research institution is the German Aerospace Center with its Institutes for Planetary Research and for Optical Sensor Systems, which also have their own technology development. Numerous other research institutions contribute to space technology, including medical research at the Center for Space Medicine (ZWMB) of the Charité – Universitätsmedizin Berlin.
The Berlin-based companies and research institutes develop and build subcomponents as well as complete small and nanosatellites using a variety of application technologies.



LiveEO - detecting an obstruction on a railway line from space

TU Berlin‘s microsatellite TUBIN was launched in June 2021 on a Falcon 9 rocket from SpaceX. Its mission is to observe large fires.

These include propulsion technology, lightweight components, electronics, optics, laser systems, power supply, measuring instruments, communications technology, sensors, simulation software, etc.
Major international players are also discovering Berlin as a location for space technology. Planet, one of the world‘s most important New Space players, operates its fleet of satellites in space from Berlin. More than 200 satellites are currently in use, with which Planet scans the Earth to create a picture of the entire world once a day. Airbus Defense and Space has a branch in Potsdam, and the Belgian aerospace group SONACA is represented by Sonaca Space GmbH in Adlershof.

Innovation and startup culture

Berlin is a hotspot for tech startups. The main reasons for this are the well-established startup scene with a large number of incubators, accelerators and co-working spaces, as well as the city‘s attractiveness to young, highly skilled people from all over the world.
Its cultural diversity and relatively low cost of living add to its appeal. Berlin has a high concentration of top universities and research institutes, providing a strong talent pool for new space technologies. The German government has also created a number of incentives for companies to invest in space-related research and development. Finally, Berlin‘s access to the European Union‘s single market makes it a great place to start and grow a business.

“Space technology is changing rapidly and has the potential to significantly influence many industries on Earth. With its startup ecosystem, its large amount of tech talent from all over the world, and the pioneering role of TU Berlin in small satellite construction, Berlin is a perfect breeding ground for the next groundbreaking New Space startups.”

Sven Przywarra, Founder NewSpaceVision, Co-founder LiveEO

„Berlin’s emergence as Germany’s new space capital underscores the city‘s growing importance as a hub of innovation. The collaborative efforts between industry and research institutions are pushing the boundaries of what is technologically possible and solidifying the city‘s leading position in the field of space technology.“

Prof. Dr. Enrico Stoll, Chair of Space Technology at Technische Universität Berlin

Productive networks and plenty of talent

Operating in space requires extremely sophisticated technology. What‘s needed is the collaboration of highly specialized researchers and engineers from different fields. The Capital Region is ideally positioned for this. The extensive research landscape and strong business clusters, particularly in ICT, photonics and aerospace, ensure that New Space companies can thrive in an optimal environment. The players benefit in particular from intensive cooperation and networking. The Berlin-Brandenburg Aerospace Alliance (BBAA) plays an important role as a local industry network, as does the NewSpaceVision initiative, which provides a platform for ongoing exchange through meetups and conferences.

TomTom
TTTech
UP42
Vectronic Aerospace

Research

BAM Federal Institute for Materials Research and Testing
Berliner Hochschule für Technik (BHT)
Brandenburg University of Technology Cottbus–Senftenberg
Center for Space Medicine Berlin
Deutsches Elektronen-Synchrotron DESY
Ferdinand-Braun-Institut, Leibniz-Institut fuer Hoechstfrequenztechnik (FBH)
Fraunhofer HHI
Fraunhofer FOKUS
Fraunhofer IPK
Fraunhofer IZM
Freie Universität Berlin
German Aerospace Center (DLR)
GFZ German Research Centre for Geosciences
Hasso Plattner Institute
Helmholtz-Zentrum Berlin für Materialien und Energie
Hochschule für Technik und Wirtschaft Berlin
Humboldt Universität
Paul Drude Institute for Solid State Electronics (PDI) Leibniz Institute
Technische Hochschule Wildau
Technische Hochschule Brandenburg
Technische Universität Berlin
Zentrum zur Förderung eingebetteter Systeme (ZeSys)

Associations & networks

Berlin-Brandenburg Aerospace Allianz (BBAA)
Berlin Nanosatellite Alliance
DIN Deutsches Institut für Normung
Disrupt Space
GEOkomm
NewSpaceVision
Women in Aerospace

Our aim: your success!

Berlin and Brandenburg support the aeropsace industry with an economic policy developed across state borders in the Transport, Mobility and Logistics cluster. The cluster is managed under the aegis of Berlin Partner for Business and Technology and the Economic Development Agency Brandenburg.

Our aim is to provide comprehensive support to companies and scientific institutions interested in inward investment or further development in the capital region.

We are ready to assist you with:

- **Finding a site**
- **Funding and financing**
- **Technology transfer and R&D cooperation**
- **Cooperating in networks**
- **Recruiting personnel**
- **Developing international markets**

Reach out and contact us!
www.mobility-bb.com

PHOTOS: Cover: iStock. Inside: Neurospace, TU Berlin, LiveEO, Astro- und Feinwerktechnik Adlershof

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