

BDLI TRADE SHOW GUIDE

# IAC INTERNATIONAL ASTRONAUTICAL CONGRESS DUBAI 2021

October 25-29, 2021 | Dubai World Trade Centre, UAE  
[www.iac2021.org](http://www.iac2021.org)

**BDLI**   
German Aerospace Industries  
Association

BDLI TRADE SHOW GUIDE

# **IAC INTERNATIONAL ASTRONAUTICAL CONGRESS DUBAI 2021**

October 25-29, 2021 |  
Dubai World Trade Centre, UAE

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**Deliver  
Develop  
Dream  
Discover  
Design  
Decide  
Deutschland  
Defend**

|   | Page |
|---|------|
| ABOUT BDLI .....                            | 5    |
| FLOORPLAN .....                             | 6    |
| INDEX OF THE EXHIBITORS.....                | 9    |
| EXHIBITORS OF THE GERMAN PAVILION .....     | 12   |
| MORE EXHIBITING BDLI MEMBER COMPANIES ..... | 35   |
| MEET US AT .....                            | 36   |

CONNECTING WORLDS – SAVING LIVES.

It is our mission to connect worlds, save lives, and master major challenges.

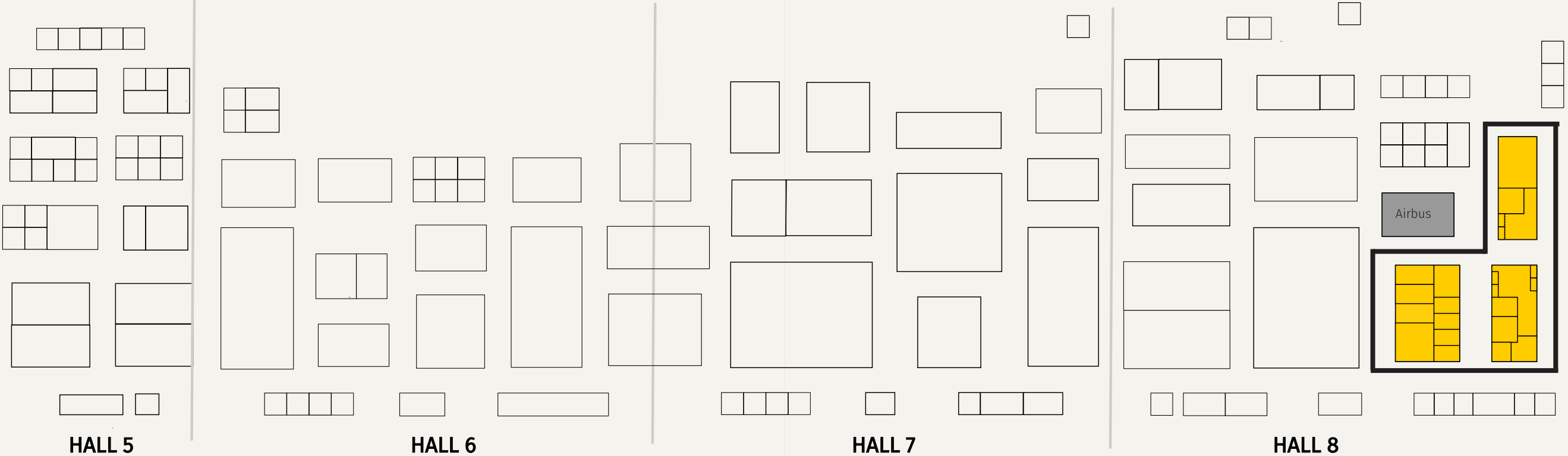
We consider this to be our responsibility.

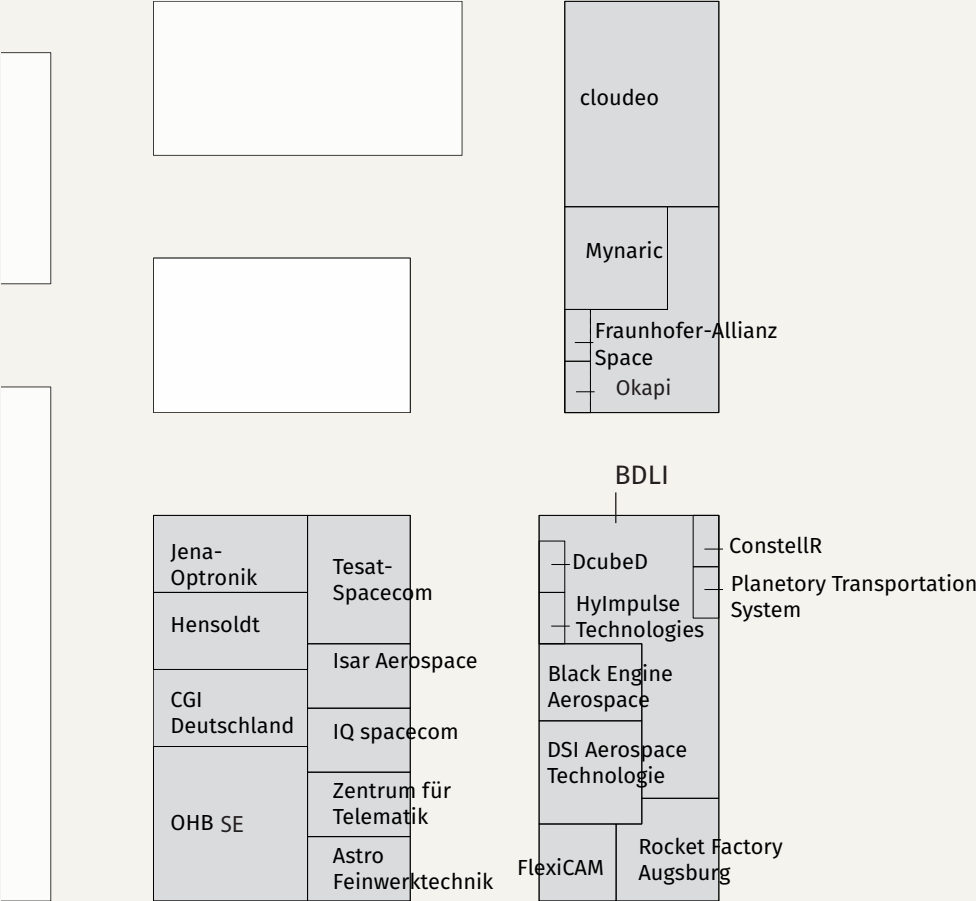
The German aerospace industry is successful globally due to its track record of innovation and creating cutting-edge technologies.

WE ARE ...

... the voice of the German Aerospace  
... at the forefront of innovation  
... a driver of jobs





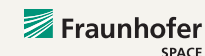


| Exhibitor  | Booth  |
|--|--------|
| Astro - und Feinwerktechnik Adlershof GmbH .....       | H8-12A |
| BDLI e.V. German Aerospce Industries Association ..... | H8-13F |
| Black Engine Aerospace GmbH .....                      | H8-13C |
| Bremen/Bremerhaven - City of Space .....               | HA-12  |
| CGI Deutschland B.V. & Co. KG .....                    | H8-12H |
| cloudeo AG .....                                       | H8-14D |
| ConstellR GmbH .....                                   | H8-13G |
| DcubeD (Deployables Cubed GmbH) .....                  | H8-13E |
| DSI Aerospace Technologie GmbH .....                   | H8-13B |
| FlexiCAM GmbH .....                                    | H8-13  |
| Fraunhofer-Allianz Space .....                         | H8-14C |
| Hensoldt .....   | HA-12G |
| Hylmpulse Technologies GmbH .....                      | H8-13D |
| IQ spacecom (IQ wireless GmbH) .....                   | H8-12B |
| Isar Aerospace .....                                   | H8-12D |
| Jena-Optronik GmbH .....                               | H8-12F |
| Mynaric .....  | H8-14C |
| OHB SE .....   | HA-12  |

|                                       |        |
|---------------------------------------|--------|
| OKAPI:Orbits GmbH .....               | H8-14  |
| Planetary Transportation System ..... | H8-13H |
| Rocket Factory Augsburg aG .....      | H8-13A |
| Tesat-Spacecom GmbH & Co.KG .....     | HA-12E |
| Zentrum für Telematik e.V.....        | HA-12B |

#### More BDLI member companies

|              |       |
|--------------|-------|
| Airbus ..... | H8-22 |
|--------------|-------|





[ASTRO- UND FEINWERKTECHNIK ADLERSHOF GMBH](https://www.astrofein.com)

[info@astrofein.com](mailto:info@astrofein.com)

[www.astrofein.com](https://www.astrofein.com)

#### ASTROFEIN - Precision in Space.

Astro- und Feinwerktechnik Adlershof GmbH (ASTROFEIN) develops, produces & tests components and systems for space. We focus on SmallSats, AOCS, structures, mechanisms and testing & simulation. ASTROFEIN is one of the market leaders of Reaction Wheels and PicoSatellite Launcher. The ASTROFEIN Reaction Wheel family comprises 15 RWs ranging from 1.0\*10<sup>-4</sup> Nms to 100 Nms. ASTROFEIN follows highest quality standards: Our processes are certified according to EN 9100.



GERMAN AEROSPACE INDUSTRIES ASSOCIATION (BDLI E.V.)

[contact@bdli.de](mailto:contact@bdli.de)

[www.bdli.de](https://www.bdli.de)

#### BDLI: The Voice for the Future of German AeroSpace

The German Aerospace Industries Association (BDLI) is the primary representative of the aerospace sector in Germany and includes more than 250 member companies along the entire value chain. In 2020, the German space industry generated a turnover of 2.3 billion euros and had around 9,600 employees. On this basis, BDLI engages in dialogue with political institutions, authorities, trade associations and governments at home and abroad.



[BLACK ENGINE AEROSPACE GMBH](https://www.bea-space.com)

[info@bea-space.com](mailto:info@bea-space.com)

[www.bea-space.com](https://www.bea-space.com)

Design and production of multi reusable light weight CMC rocket engines for launchers, sounding rockets, spaceplanes, etc.



BREMEN/BREMERHAVEN - CITY OF SPACE

[info@aviaspace-bremen.de](mailto:info@aviaspace-bremen.de)

[www.aviaspace-bremen.de/en/](https://www.aviaspace-bremen.de/en/)

More than 140 enterprises and 20 science institutes power the aeronautics and space industries in the German federal state of Bremen. City of Space Bremen / Bremerhaven supports the development of new products, instruments and solutions through international collaborations that contribute to more environmentally-friendly aeronautics and space systems and thus support the sustainable, structural development of the German federal state of Bremen. Minister Kristina Vogt as the representative from the City of Space leads the delegation.





[CGI DEUTSCHLAND B.V. & CO. KG](#)

info.de@cgi.com  
[www.de.cgi.com/de/space-en](http://www.de.cgi.com/de/space-en)

CGI has more than 40 years of experience in consulting and system integration for Earth observation, navigation, satellite monitoring and control, the ground segment, flight dynamics, and data processing. The technical design and architecture of ground segments and services are fundamental to ensure and optimize the scientific achievements and economic success of every space mission – from the initial planning until the end of a mission’s life-time. Our focus is on customer-oriented solutions, in which innovation and new technologies are applied. This includes automation of operations for satellite constellations, data processing with artificial intelligence, and modern cloud solutions for software-as-a-service or cybersecurity.



[CLOUDEO AG](#)

info@cloudeo.group  
[www.cloudeo.group](http://www.cloudeo.group)

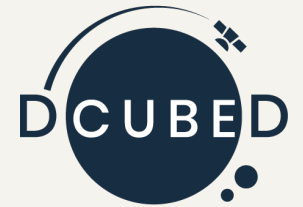
Cloudeo is a geo-solution platform of platforms which hosts and provides access to a wide range of data and resources to allow meaningful insights and business intelligence based on geospatial context. Cloudeo’s one-stop-shop for geospatial solutions is available for companies and institutions across multiple industries. Our Platform as a Service (PaaS) is a complete development and deployment environment in the cloud, providing cloud services, data, software, and applications that enable to deliver everything from simple features to sophisticated, customized applications.



[CONSTELLR GMBH](https://www.constellr.space)

info@constellr.space  
www.constellr.space

ConstellR's mission is to contribute to global food security by providing agricultural data from space. Our microsatellites will provide a scalable, global land surface temperature (LST) measurement of Earth's surface, on a daily basis and at sub field level. This LST dataset will disrupt smart & precision farming, providing data on crop stress days or weeks before current visual indices derived from standard optical / near infrared (NIR) satellite, leading to significantly reduced risk of crop damage or loss, huge efficiency in irrigation and resource inputs and higher predictability of crop yields.



[DCUBED \(DEPLOYABLES CUBED GMBH\)](https://www.dcubed.space)

team@dcubed.space  
www.dcubed.space

**DcubED (Deployables Cubed GmbH) will help you to think outside the box with their actuators and deployables specifically designed for NanoSat and SmallSat applications.**

In space, the trend goes towards small and standardized satellites that can be launched in the hundreds. But the small size, especially within the launcher, limits the possibility of advanced missions that require high power (large solar arrays), high data downlink (large antennas) and so on. A way around this limitation is the use of deployable structures like solar arrays, appendices, antennas or others which are unfolded once in orbit allowing new high-performance applications that are currently only possible with larger satellites. To tackle this problem, the Munich based NewSpace company DcubED (Deployables Cubed GmbH) develops miniature actuators (nD3PP Nano Pin Puller, nD3RN Nano Release Nut and others) and deployables (100W 1U NanoSat Solar Array, D3S3 Space Selfie Stick and others) specifically designed and developed in having the need of SmallSat and NanoSat customers in mind.



[DSI AEROSPACE TECHNOLOGIE GMBH](http://www.dsi-as.de)

info@dsi-as.de  
www.dsi-as.de

DSI Aerospace Technologie GmbH is providing high-end electronics for airborne and space applications. The fields of activity are dedicated to the design, implementation, production and qualification of dependable electronics.

We combine high-end technologies and innovative ideas into cutting-edge products as our integrated approach provides significant increases in processing power as well as in reliability due to the usage of the newest, qualified FPGAs and ASICs technologies.



[FLEXICAM GMBH](http://www.flexicam.com)

info@flexicam.com  
http://www.flexicam.com

With constant innovations to the product line and commitment to high quality products with an excellent price-performance ratio, FlexiCAM has become a worldwide industry leader in 3-, 4- and 5-axis CNC machining centers.

FlexiCAM offers state-of-the-art manufacturing solutions specifically for the aerospace sector.

Technical consultancy and after-sales support is available through numerous offices and technology centers all over the world (including India and United Arab Emirates).



[FRAUNHOFER-ALLIANZ SPACE](#)

aerospace@int.fraunhofer.de  
[www.space.fraunhofer.de/en.html](http://www.space.fraunhofer.de/en.html)

In the Fraunhofer Space Alliance, the institutes pool their technological expertise in order to provide the space industry and funding agencies with a central contact. We act as systems provider, developing a wide range of top-quality components, integrating them into an overall system and delivering that system to the customer. The sheer technological variety of the participating institutes enables us to offer our customers a unique range of services.



[HENSOLDT](#)

mideast.marketing@hensoldt.net  
[www.hensoldt.net](http://www.hensoldt.net)

#### **HENSOLDT – Innovations for a safer world**

HENSOLDT is a major German player in the defence industry with a leading market position in Europe and a global reach. The company develops sensor solutions for defence and security applications. As a technology leader, HENSOLDT also continuously expands its Cyber portfolio. With more than 5,600 employees, HENSOLDT generated revenues of 1.2 billion euros in 2020. HENSOLDT is listed on the Frankfurt Stock Exchange and the SDAX stock market index there.



[HYIMPULSE TECHNOLOGIES GMBH](https://www.hyimpulse.de/en/)

[contact@hyimpulse.de](mailto:contact@hyimpulse.de)  
[www.hyimpulse.de/en/](https://www.hyimpulse.de/en/)

HyImpulse Technologies GmbH is a NewSpace Start-up in South Germany, a spin-off out of the Institute of Space Propulsion of the German Aerospace Center (DLR) Lampoldshausen. Our mission is to unlock the full potential of the rapidly growing multi-billion-dollar small satellite market by eliminating the current bottleneck of frequent, reliable and low-cost access to space. We are developing an orbital small launcher, powered by our unique, green hybrid propulsion technology, delivering a higher performance at a fraction of the cost, with a higher operational safety and a lower environmental impact compared to the competition. This disruptive approach of using hybrid propulsion in a serial, automated and large-volume production enables us to offer the only cost-effective launcher with long-term sustainability in the market. Our customers receive a full suite of dedicated services - right from the payload pick up to safe delivery into the desired orbit - made possible by our integration of all stakeholders in the launch segment.



[IQ SPACECOM \(IQ WIRELESS GMBH\)](https://www.iq-spacecom.com)

[info@iq-spacecom.com](mailto:info@iq-spacecom.com)  
[www.iq-spacecom.com](https://www.iq-spacecom.com)

IQ spacecom comprises high-performance radio communication solutions providing flexible and highly efficient broadband data communication for small satellites, such as CubeSats. The equipment has been qualified for several years of operation in low earth orbit (LEO) and is used for scientific missions, Earth observation, remote sensing and communication solutions. Outstanding hardware and software platforms enable a fast, flexible and reliable adaptation to customer-specific requirements.



[ISAR AEROSPACE TECHNOLOGIES GMBH](#)

info@saraerospace.com  
www.isaraerospace.com

Isar Aerospace, based in Ottobrunn/Munich, develops and builds launch vehicles for transporting small and medium-sized satellites as well as satellite constellations into Earth's orbit. The company was founded in 2018 by Daniel Metzler, Josef Fleischmann, and Markus Brandl. Since then, it has grown to more than 180 employees from more than 30 nations. Offering the first fully privately funded European solution to meet the growing global demand, Isar Aerospace is driving commercial space across all continents.



[JENA-OPTRONIK GMBH](#)

info@jena-optronik.de  
www.jena-optronik.de

### **space for success**

For decades now we've been making space missions possible: enterprises that are as spectacular as they are successful.

As vast as the universe is, there is no space for inaccuracy. Our portfolio comprises high-precision sensors for modern attitude control systems for the stable and reliable operation of satellites.

Visionary technology in the truest sense of the word: our space optics & electronics help to generate crucial Earth observation data, helping to improve the quality of life.



[MYNARIC](#)  
[info@mynaric.com](mailto:info@mynaric.com)  
[www.mynaric.com](http://www.mynaric.com)

Mynaric is the leading high-volume manufacturer of high-speed and data secure wireless laser communication products to interconnect satellites, UAS, aircraft or high-altitude platforms with each other or with the ground. Our field of activities cover satellite constellations, telecommunication, broadband internet coverage and mobile communication for airborne missions.



[OHB SE](#)  
[IAC@OHB.de](mailto:IAC@OHB.de)  
[www.OHB.de](http://www.OHB.de)

OHB SE is the third-largest provider of space systems in Europe and THE German space technology company. With around 3,000 highly qualified employees and 14 locations in 10 countries, the OHB Group has proven itself as a reliable partner of government institutions and private companies. Looking back on 40 years of experience, OHB SE can offer its customers a broad portfolio of innovative products in the three business units Space Systems, Aerospace and Digital. We.Create.Space.

Sub-exhibitors: OHB SYSTEM AG, MT AEROSPACE AG, OHB SWEDEN AB, LUXSPACE SARL, ANTWERP SPACE N.V., OHB DIGITAL CONNECT, OHB COSMOS INTERNATIONAL LAUNCH SERVICE GMBH



[OKAPI:ORBITS GMBH](https://www.okapiorbits.com)

[contact@okapiorbits.com](mailto:contact@okapiorbits.com)

[www.okapiorbits.space](https://www.okapiorbits.space)

OKAPI:Orbits is a German company dedicated to make space travel more sustainable through Space Traffic Management Software. The product portfolio includes Space Situational Awareness services such as automated Collision Avoidance, Space Debris Guideline verification, or Satellite mission simulation. The company is laser focused on creating innovative and efficient products to enable safe and secure satellite operations and seamless ground segment integration.



PLANETARY TRANSPORTATION SYSTEMS

[info@pts.space](mailto:info@pts.space)

[www.pts.space](https://www.pts.space)

We build and fly spacecrafts, our own avionics, robotics as well as flight software for commercial space exploration. Talk to us if you want to find the missing link between classical earth bound industries and up and coming commercial in-space services.





[ROCKET FACTORY AUGSBURG AG](#)

[info@rfa.space](mailto:info@rfa.space)

[www.rfa.space](http://www.rfa.space)

Rocket Factory Augsburg (RFA) was founded in 2018 with the goal of providing frequent and affordable access to space to better understand and protect our Earth. That's why we build the most performant and affordable micro launcher for payloads up to 1,300 kg. Our staged combustion engine is more efficient and performant than conventional engine cycles, resulting in 30% more payload at unmatched prices. Our orbital stage with orbital maneuverability offers a last-mile-delivery, while our serial production maximizes cost advantages and allows us to build rockets just like cars. Contact us to learn more about our technology and services.



[TESAT-SPACECOM GMBH & CO.KG](#)

[info@tesat.de](mailto:info@tesat.de)

[www.tesat.de](http://www.tesat.de)

At TESAT in Backnang, around 1,000 employees develop, manufacture and distribute systems and equipment for telecommunications via satellite. The product range spans from smallest space-specific components to modules, entire assemblies or payloads. As the world's only provider and technology leader of in-orbit-verified optical terminals for data transmission via laser (LCTs), TESAT has a focus on commercial and institutional space programs.



[ZENTRUM FÜR TELEMATIK E.V.](http://www.telematik-zentrum.de)

[info@telematik-zentrum.de](mailto:info@telematik-zentrum.de)  
[www.telematik-zentrum.de](http://www.telematik-zentrum.de)

Center for Telematics was one of the European pioneers in the field of CubeSat technology and satellite formations. Today, together with its spin-off S4 -Smart Small Satellite Systems GmbH it is developing technologies and performing missions with more than 20 CubeSats and highly demanding applications like formations for distributed earth observations, secure connectivity based on quantum key distribution or low latency 5G communication via satellite using satellites in very low earth orbits.

**AIRBUS**

AIRBUS  
[www.airbus.com](http://www.airbus.com)

**About Airbus**

Airbus pioneers sustainable aerospace for a safe and united world. The Company constantly innovates to provide the most efficient and technologically-advanced solutions in aerospace, defence, and connected services. In commercial aircraft, Airbus offers the most modern and fuel-efficient airliners. Airbus is also a European leader in defence and security and one of the world's leading space businesses. In helicopters, Airbus provides the most efficient civil and military rotorcraft solutions worldwide.

**Meet us at**  
Trade show calendar 2021/2022



**2021**

**Dubai Airshow**

14.11. - 18.11.2021  
Dubai, United Arab Emirates  
German Pavilion



**European Rotors**

16.11. - 18.11.2021  
Cologne, Germany  
BDLI Business Lounge



**Aviation Forum**

07.12. - 08.12.2021  
Hamburg, Germany



**2022**

**Singapore Airshow**

15.02. - 20.02.2022  
Singapore  
German Pavilion



**ILA Berlin**

22.06. - 25.06.2022  
Berlin



**ILA BERLIN**

**INNOVATION AND  
LEADERSHIP IN  
AEROSPACE**

**June 22-25, 2022**

**Berlin ExpoCenter Airport**  
[www.ila-berlin.com](http://www.ila-berlin.com)



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THERE**

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BDLI- German Aerospace Industries Association  
Friedrichstr. 60  
10117 Berlin, Germany  
+49 30 206140 0  
[contact@bdli.de](mailto:contact@bdli.de)  
[www.bdli.de](http://www.bdli.de)  
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**ecm-berlin**

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