



The Polish Space Sector

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H8-31, IAC 2021 – Dubai, UAE

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We are a commercial supplier of optical instruments for the space industry. We create observation systems for micro and nanosatellites. Our specialists are the authors of, among others: the 3D laser system for orientation in the space of drilled particles (DREAM experiment), the Earth observation satellite system (ScanSAT) or (currently) designers and creators of the optical part for the EagleEye microsatellite and the PIAST - Polish Imaging SaTellite project. Our software and optical devices worked in space. We are in the process of implementing orders and projects that will fly into orbit on board at least 3 satellites within 4 years.

Credits: NASA / GSFC / Arizona State University



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Creotech Instruments is Poland's leading manufacturer of satellite systems and components as well as advanced electronics for use in, among others, quantum computer control systems. The company is also active in the field of unmanned aerial systems, where it delivers devices and software for, among others, drone movement supervision. The Company has its own electronics production plant as well as small satellite integration facilities. Its portfolio consists of 26 projects realised for the space sector, while 10 space missions took place including Creotech subsystems, 4 of which were realised for the European Space Agency.

Credits: NASA / GSFC / Arizona State University



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The company offers services related to technological expertise and defining products using satellite data as well as information and operational services related to the space sector and the development of entrepreneurial and design activities at an early stage of development. The company implements projects based on satellite navigation (including fields of jamming, indoor positioning, etc.), Earth observation, integrated applications, as well as modern materials with a porous (net) structures and mechanics. In its projects the company uses the expertise of a extensive network of contacts in over 50 countries and the International Space University network. As part of the Space3ac accelerator mechanism, the company helped to obtain financing for R&D activities in the total amount of over PLN 23 million for over 100 small companies.

Credits: NASA / GSFC / Arizona State University



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The development policy of the Łukasiewicz Research Network – Institute of Aviation is based on continuing the traditional areas of research: aerodynamics, design and testing of aviation structures, aviation instrumentation, propulsions and on intensive implementation of new areas.

Credits: NASA / GSFC / Arizona State University

PIAP Space is active in the space and satellite engineering sector. The company specializes in the following areas: robotics, automatics and mechanics. PIAP Space develops technologies and products in the field of satellite integration and testing equipment (MGSE), active space debris removal, manipulators and grippers, in-orbit satellites operation, human-robot interaction, vision systems and mechanisms.

Credits: NASA / GSFC / Arizona State University



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For several years, Jakusz SpaceTech has been a respected producer of 'green' propellant - HTP (hydrogen peroxide with a concentration of up to 98%) and has been conducting scientific research on it in cooperation with the European Space Agency (ESA). The company is also working on other rocket fuels such as DMAZ or ionic liquids.

The Jakusz SpaceTech research laboratory was established in 2015 on the basis of a team of chemical specialists and focused its activities on space technologies, mainly in the fields of propellant production and technological research projects. The team of specialists came from the Jakusz company, which was established in 1985 and is one of the leaders in security and defense systems.

Credits: NASA / GSFC / Arizona State University

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SatRevolution was founded in 2016 and is Wroclaw-based NewSpace company. Our rapidly growing team consists of creative, dedicated engineers and experienced managers. We specialize in NanoBus platforms, subsystems and nanosatellite based services. We provide In-house R&D, Assembly, Integration and Testing.

Credits: NASA / GSFC / Arizona State University



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SpaceForest – new technologies and innovative solutions specializing in microwave techniques, artificial intelligence, electronic and rocket technologies.

Credits: NASA / GSFC / Arizona State University



SpaceForest
innovative solutions

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KP Labs is a NewSpace company, whose mission is to accelerate space exploration through the development of autonomous spacecraft and robotic technologies. Company's expertise includes, but is not limited to: on-board software development, hyperspectral imaging, artificial intelligence algorithms, and high-performance computers. Its flagship project is the Intuition-1 mission, scheduled for launch in 2022/23. Thanks to AI algorithms and a dedicated on-board computer, will automate and accelerate the image acquisition and processing process already on board of the satellite. Since 2019, the company has had R&D center status and is establishing its headquarters – R&D Center (to be opened in 2022).

Credits: NASA / GSFC / Arizona State University

CloudFerro provides cutting-edge cloud services. The company delivers and operates cloud computing platforms for demanding markets, such as the European space sector, climate research and science. Its broad experience and in-depth expertise include storing and processing big data sets, such as multipetabyte repositories of Earth Observation satellite data. The company offers cost-effective, open-source-based, flexible cloud solutions in a public, private or hybrid model, customized to meet user needs. Extensive range of ancillary services and dedicated technical support are provided by the highly experienced local team of IT specialists with unmatched competences.

CloudFerro has been trusted by leading European firms and scientific institutions from various big-data-processing market sectors, including the European Space Agency (ESA), EUMETSAT, the European Centre for Medium-Range Weather Forecasts (ECMWF), Mercator Ocean International, German Aerospace Centre (DLR), the EGI, to name a few.

Credits: NASA / GSFC / Arizona State University



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