

The Global Trade Driver

(An International Forum on Industry and Education)

GLOBAL SPACE BUSINESS BULLETIN

September 2025

**(A Digital Newsletter for Space Exploration,
Commercial Aviation & Defence Industry)**



SPACE TECH EXPO

**The Global Trade Driver and Explore The Space are Support Partners
of Space Tech Expo shows in USA and Europe.**

**Global Space Business Bulletin is an initiative of
The Global Trade Driver & Explore The Space**

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Dr. Jaydeep Mukherjee
Director, NASA, FSGC, USA

The Artemis program is a robotic and human Moon exploration program led by the United States' National Aeronautics and Space Administration (NASA) along with three partner agencies: European Space Agency (ESA), Japan Aerospace Exploration Agency (JAXA), and Canadian Space Agency (CSA). NASA intends to re-establish a human presence on the Moon for the first time since the Apollo 17 mission in 1972.

The goal is to test technology on and near the Moon to help establish a permanent base camp on Mars and support future human missions to Mars.



Satellite Observing the Globe

Space Exploration unites the planet. Space Exploration requires hardware designs that are reliable and long lasting. Commercial Ion engines for Space Craft, Micro Satellites, Digital X-Ray Inspection Equipment, 3D printing of specialty alloys, and modern power efficient semiconductor devices are recent breakthrough developments advancing the space industry.



Tim Dyer, CEO
MatSci Innovations Inc., USA



**Ed Tomasek, Director,
Business Development
Elcon Precision LLC, USA**

Elcon Precision LLC, an American Company based in San Jose, California, providing diverse technical services and capabilities that include Photochemical Machining, Metallization and Coating of Ceramics and Brazed Assembly Services. A direct supplier to NASA, Elcon Precision manufactures high-precision Engineering Components for Aerospace, Medical, Defense, and Space Flight Industry.



Indian Rocket

The modern digital computer has been fundamental to the space exploration program. Today, almost everything in space exploration is done with computers. Computers have also lead to many major breakthroughs in space research. From designing spaceships to space photography, almost everything is done with computers.



S. Ramasamy,
Senior Executive Member,
Computer Society of India,
Head - IT,
Great Lakes Institute
of Management, Chennai



D V Venkatagiri, CEO
ETS & TGTD

Explore The Space promotes STEM Education, spreads awareness about opportunities in the Space & Allied Industries and encourages students / youth all over the world to take up Space Technology as a career. It also promotes Industry - Institution relationships in the Space Industry. Emphasizes on global cooperation in the advancement of Space Sciences & Technology.

Key Technologies driving Space Exploration

Data Analytics	Earth Observation	Deep Learning
Space Navigation	Motion Control	Space debris location
Exoplanet discovery	Artificial Intelligence	Satellite data processing
Autonomous Rovers	Next generation semi-conductors	
Communications	Data Transmission	Nuclear Energy
Global Navigation	Intelligence navigation system	Rocket Fuel

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Space exploration is making a great impact on human life on earth - It uses, further propels, and gives rise to new technologies like - Artificial Intelligence, Robotics, Data Science, Nano technology, Energy Storage, Ion Engines, etc., We welcome Students - Scientists / Engineers / Doctors / Administrators / Managers of tomorrow to think and explore SPACE, for their good !

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Established in 2010, **The Global Trade Driver (TGTD)**, is a niche facilitator of Businesses connecting Indian Companies within the domestic market and International Markets, particularly USA through Business Delegations, B2B meetings, Strategic Consultancy, Advocacy and other programmes.

“**Explore The Space (ETS)**” is an **educational venture**, an “**ISRO - Registered Space Tutor**”, and an NGO registered in Niti Aayog (Govt. of India) working to promote awareness on Space Sciences and Technology among Schools and Colleges through seminars, quiz programmes, study tours and research. ETS connects Institutions and Industry through its programmes.

The Global Trade Driver & Explore The Space

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