

## Planet Aerospace

### Genesis

*Planet Aerospace came into existence in 2016 when a few like-minded retired scientists from Indian Space Research Organisation came together and mooted the idea of an organisation in order to utilize and disseminate the knowledge and experience gained during their career in ISRO. The idea was supported by senior scientists of ISRO like Dr. K.Kasturirangan, Dr.P.S.Goel and A.S.Kirankumar. The organisation was formed and it started its operations in 2016.*

### Objectives

*The primary objectives of Planet Aerospace are*

- Disseminate the knowledge and experience to next generation*
- Support ISRO externally in its tasks*
- Support the space industry to build a robust ecosystem*
- Guide and assist any enterprise that would like to venture into space business*

### Organisation

*Planet Aerospace is an Association of Experts in Space Technology with rich experience in all the relevant disciplines.*

*The members of Planet Aerospace team have successfully contributed to Indian Space Program and held-responsible positions like Deputy Directors, Program Directors, and Project Directors in ISRO.*

*The expertise covers all the hardware, software and analytical aspects of a satellite mission including disciplines like Structures, Thermal, Mechanisms, Power generation, storage, control and distribution, Digital baseband systems, Telemetry, Tracking and Command, Antenna systems, Control systems consisting of sensors, actuators and control electronics with algorithms to control the satellite throughout the mission, propulsion systems, remote sensing, communication and scientific payloads, interplanetary missions like Mangalyan, satellite integration and testing, Ground Support systems required at all stages of realization. Planet Aerospace team also includes experts in all the aspects of Product Assurance from component level to system level.*

*With such vast expertise and experience Planet Aerospace has ventured into the field of consultancy in Space Technology and its applications.*

## Work Culture

*Though Planet Aerospace has experts from all the disciplines of Space Technology and its applications, based on the need of a particular task/assignment/project, we identify a team of experts who would work on that particular task. The team is generally self-reliant and dedicated to each project and is led by a Team Leader who also works as the program manager. At any stage of the project, if need be, we augment the team directly or draw support from other members of Planet Aerospace in specific areas.*

*Due to their long association during their earlier career in ISRO, the members of Planet Aerospace share a high level of confidence, team spirit and professional bonding which would result in quick and smooth execution of any assignment taken up by Planet Aerospace.*

*While each team working on a particular project is independent and has its own responsibility as well as management structure, the executive council tracks the progress of various projects under Planet Aerospace through regular review and monitoring process*

## Academic Projects

*The urge to participate in space activities has been growing in recent years among academic institutions. Many Indian institutions have already entered into designing and deploying nano-satellites. Planet Aerospace has conducted knowledge transfer workshops covering all aspects of nano-satellites in many such academic institutions like*

- *M.S.Ramaiah University of Advanced Studies, Bengaluru*
- *Alva Institutes of Engineering and Technology, Moodabidri*
- *Dayananda Sagar University, Bengaluru*
- *BMS Engineering College, Bengaluru*
- *Rajeev Gandhi Prodyogiki Vishvavidyalaya, Bhopal*

## MOUs and Publications

*Planet Aerospace has MOUs with many academic institutions and business entities including MSRUAS, AIET, DSU, RGPV, KHMD, Azista Aerospace, Antrix Corporation, Joint Business Relationship with PWC and so on.*

*With contributions from various members of Planet Aerospace, we are publishing a book on Nano-satellites – technology in near future.*

## Completed & Ongoing Projects

*Planet Aerospace is engaged in many consultancy projects for industries and organisations in space business. Some of them are*

- *Evolving a Detailed project report on Satellite manufacturing for L & T heavy engineering, Bengaluru*
- *Consulting for a communication satellite to be built by a Russian firm through Aniara Communications, Bengaluru*
- *Adopting space quality practices in Critical and intensive care in medical field*
- *Continuous guidance to a space industry- Azista Aerospace, in Ahmedabad*
- *Knowledge transfer program on Satellite Constellation Design for a remote sensing mission for Azista, Ahmedabad*
- *Enabling the technology transfer program for small satellite bus for Azista, Ahmedabad*
- *Selection of probable space systems that could be manufactured in India and establishing common test facilities in a space technology park through Price Waterhouse Cooper, Bengaluru*
- *Initial guidance for a number of startups in field of space technology*

## **Our Vision**

***To be a globally competitive consulting firm in Space Technology and Applications to support all such industries, academic institutions and research organizations who have an urge to contribute and participate in Space Exploration and Voyages for the benefit of human race.***

### **Planet Aerospace**

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