



SOCIETY OF INDIAN AEROSPACE TECHNOLOGIES AND INDUSTRIES (SIATI)

INDIAN AEROSPACE

Presentation by:

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Hony Secretary & Senior Director

SIATI

SIATI is an Association of large, medium and small private sector and public sector industries and related organizations in aerospace such as DRDO laboratories, DGCA, DGAQA, CEMILAC, Universities & Colleges. **A nodal Agency and an Important Gateway to Indian Aerospace Business and Global Co-operation for Tie-up in R&D Technology, JV, Co-production & Information exchange**



PRIME OBJECTIVES OF THE SOCIETY

- Encourage and promote aerospace technologies and industries in India.
- Showcase the collective strength of Indian Aerospace companies in the domestic and international forums.
- To facilitate collaborations & strategic partnership with Indian and foreign aerospace Industries.
- Represent the Indian Aerospace to the Government & other appropriate forums
- R&D Academia~ Industry interaction, Training & Skill development
- Encourage Education and Research, Institute Scholarships / Fellowships etc

MOUs WITH GLOBAL ORGANISATIONS

SIATI has established co-operation with similar aerospace industry associations abroad like:

- German Aerospace Industries Association (BDLI)
- The Society of Japanese Aerospace Companies (SJAC)
- Groupement des Industries Francaises Aeronautiques Et Spatiales (GIFAS)
- Society of British Aerospace Companies (SBAC)
- UK / currently ADS
- Aerospace Industries Association of Canada (AIAC)
- North West Aerospace Alliance (NWAA)
- Aviation Aerospace Australia (AAA)
- Skywin Wallonie, Belgium





**Mr Manohar Parikar, Defence Minister
Govt of India – special seminar**



Formation of Indian Aerospace Quality Group (InAQG)

APAQG Meeting in INDIA



**Launching of International Institute of Aerospace
Engineering & Management (IIAEM)**

Instituting SIATI AWARD FOR EXCELLENCE IN AEROSPACE INDIGENISATION



Formation of AVIATION AEROSPACE SECTOR SKILL COUNCIL (AASSC)



Aerospace Industry in India

- Indian Market
 - Aircraft Acquisitions : In the next ten years estimated INR 5 Lakhs Crores (\$ 100 billion)
 - Civil Aircraft – about 1740 new airplanes worth \$240 billion required over next 10 years
 - Opening of Defense Industry for Private Participation
 - Strategic Partnerships
 - Technology Transfer & Investments



Advantage India

- **India's Strong Framework:** Research and development capabilities, leading information technology and engineering services, manufacturing expertise with global firms located in India.
- **Government Policies:** Favourable policies made by the government have promoted expansion and growth in this sector. The recent “Make in India” initiative has acted as a push to industry.
- **India as an Aerospace hub:** activities in the recent past has helped the country earn the recognition of being one of the world's major aerospace hubs.
- **Growing Competition:** The Indian A&D sector encourages more players to invest in and optimize the manufacturing process
- **Large Pool of Manpower:** The major strength of India lies in the manpower. About 60 % of Indians are below 40 years of age and is considered to be a young nation.

Aerospace Industry In India



- Hindustan Aeronautics Limited (HAL), Bharat Electronics Limited (BEL)
- Bharat Dynamics Limited (BDL) , Bharat Earth Movers Limited (BEML)
- Defence Research Development Organization (DRDO) and R&D labs
- Indian Space Research Organisation (ISRO)
- Maintenance & Service and Repair Depots of Armed forces
- Airlines & MRO's
- National Aerospace Laboratories.
- Large Private Sector Industries such as TATAs, Reliance, Godrej, Larsen & Toubro, Mahindra Aerospace.
- A large number of small, medium industries including IT solutions and other service providers
- Aeronautical Society of India (AeSI)
- Society of Indian Aerospace Technologies & Industries (SIATI)



Few Aircrafts Manufactured in India



LCA - TEJAS



LCA - TEJAS



DORNIER



HTT – 40 Trainer



IJT Trainer



HJT KIRAN



AVRO-



Light Combat Helicopter



RUDRA



SARAS



DHRUV



Structural Assemblies & Assembly Jigs



Flapron Assembly



Wing Assemblies



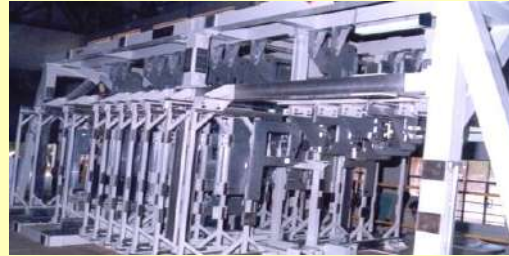
Wing Assemblies



Structural Assembly



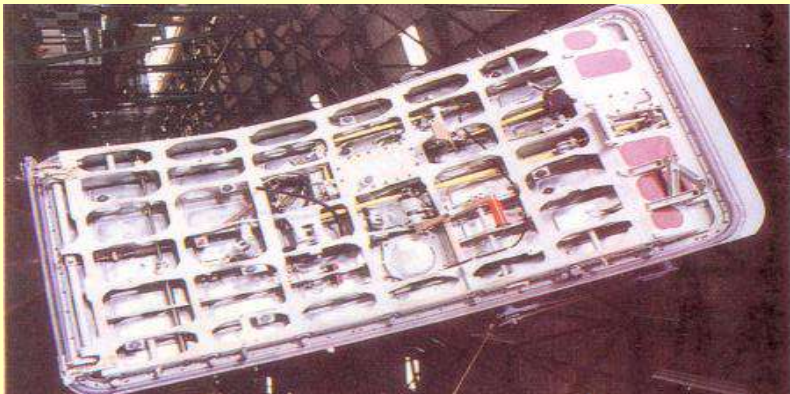
Rudder Assembly



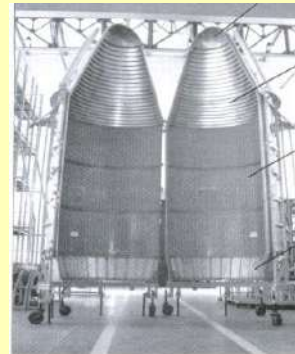
Fuselage Assembly rig



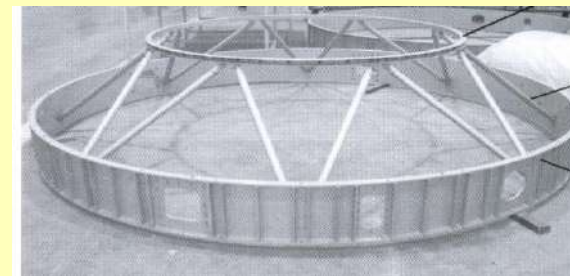
Typical Assembly Jig



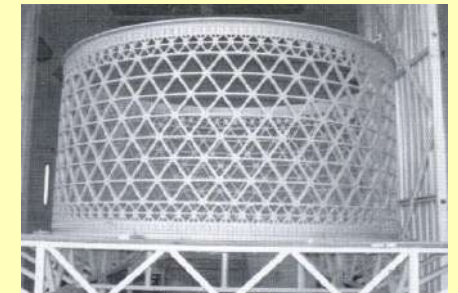
Door Assembly



Heat Shield



Upper Stub Adaptor



Interstage Structure

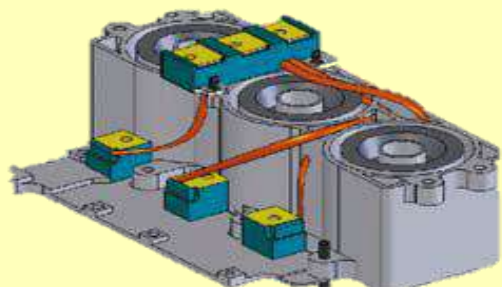
AVIONICS



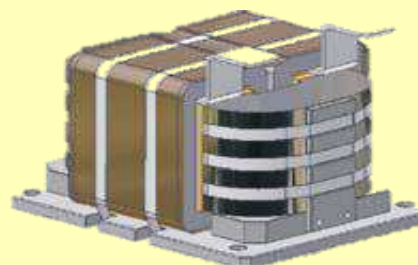
Avionics Items



Antenna
Positioner



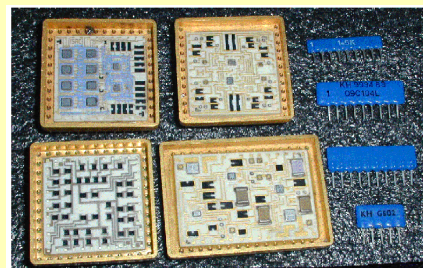
Transformers, Inductors, Coils and Solenoids



Displays



Camera



Hybrid Microcircuits



LED based safety Lighting



Avionics board assembly



Motherboard



Dual Filament Landing
Light



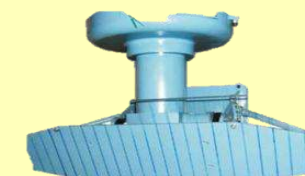
Battlefield Surveillance Radar



2D /3D Light weight
Radar



Coastal Surveillance



Azimuth Over Elevation
Positioner

Precision Machined Components



PRECISION COMPONENTS



RUBBER PRODUCTS



FASTENERS



Electric Airport Mobiles



Electric Tow Truck



Electric Tow Truck towing helicopter



Passenger movement vehicle

Indo German Strategic Relationship

Bilateral relations between India and Germany are founded on common democratic principles and are marked by a high degree of trust and mutual respect. Germany is India's main trading partner in the EU, and economic relations between our two countries have intensified markedly in recent years. This is especially true of the aerospace industry. Germany is India's second largest development partner, with at present a total volume of almost EUR 10 billion and about 170 programmes running.

BDLI, the German Aerospace Industries Association, represents more than 300 companies, and SIATI (Society of Indian Aerospace Technologies and Industries) is the premier Aerospace Industries Association of India. Both associations have interacted, cooperated and entered into memorandums of understanding to have joint ventures aimed at co-production by European companies and Indian industries.

CONCLUSION

THE AEROSPACE MARKET AND BUSINESS CLIMATE IS VERY GOOD IN INDIA AND WE INVITE YOU TO SET UP JOINT VENTURES IN INDIA.

SIATI IS OPEN FOR INTERNATIONAL MEMBERSHIP AND PROVIDES ALL THE ASSISTANCE AS A GATEWAY TO INDIAN BUSINESS.

Log on to : www.siatl.org / E~mail: : office@siatl.org



Thank You

