Activities of Japan Aerospace Industry Forum

Chubu Aerospace Technology Center
(C-ASTEC)
Our mission is to promote the Japanese aerospace industry by supporting its integration, encouraging new entrants, and fostering cooperation among industries, government and academic institutions.

Major members in Greater Nagoya Region

Chairman: Mr. Toshio Mita

Industries
- Chubu Economic Federation
- Chubu Aerospace Technology Center
- Major airframe manufacturers
- Small or medium-sized parts suppliers

Academic institutions
- Nagoya University
- College of Naka-Nippon Aviation

Government
- Aichi, Gifu, and Mie Prefectures
- Nagoya City
- Chubu Bureau of METI

Collaboration with other domestic regions
- Paris Air Show member regions

Tohoku Region

Kanto Region

Hokuriku Region

Kinki Region

*The above are the prefectures and regions where Paris Air Show member companies are located.
Organization of Japan Aerospace Industry Forum made up of industry and university representatives to support technical development and new entry by companies in the region.

Advantages of the Chubu region and widespread collaboration with other areas

1. Providing Information (Seminars and Symposium)
2. HRD Support (Leader, core worker, and technician development, CATIA training)
3. R&D Support (Local innovation research and supporting industries, etc.)
4. Marketing support (Airshow exhibits, matching with manufacturers)
5. Support for Acquiring Certification (Dispatch of experts)

Current Activities of METI Chubu
Aircraft Industry Goal for the Chubu Region

[Goal Image]
- Global location that contributes to the development of next generation aircraft
- Development of global state-of-the-art composite materials and established technologies

[Composite Material Development Evaluation Center (National Component Center (tentative name))]

[Future Support]
- Development of an evaluation research site with design, type approval, maintenance, and repair services in addition to software support.

[JAXA Flight test site (Test certification Open 2011)]

Locations to support R&D, evaluations, HRD and management

Contribute to global next generation aircraft development
Overview of Developing the National Component Center

- Japan’s first open R&D site to demonstrate and evaluate composite material manufacturing technology (*mainly using thermoplastic resin) will be developed in the Chubu region where manufacturing industry is centered while building a network of advanced composite material research sites in Japan.

- Academic, business and government organizations will work together at the site to perform evaluation tests and standardize large material molding technology, lightning, and heat and flame resistant materials. The site will move forward with the demonstration, evaluation and standardization of composite material production technology and human resource development.

- Large composite material makers and users in Japan such as aircraft and automobile makers and machine makers are scheduled to participate. Collaboration is also scheduled with those in the composite material industry around the world.

Main Demonstration & Evaluation Details

- Large mold technology development (2m² or more) prototype evaluation, lightning, heat and flame resistance test evaluation and standardization

Development Location: Nagoya University Campus
(Scheduled site)

Project size: Approx. 2 billion yen

Management: Guiding committee made up of industry, academic and government representatives manage using installation, membership fees and usage fees, etc.
Marketing Support - Encouraging participation in the Paris Air Show 2011 by SME and assisting them in business negotiations

- Activities at the show (Our stand: Hall4-D50)
  - Group meetings and individual business negotiations
  - Meetings with international aerospace organizations, etc

- Companies supported by us
  - Leading medium-sized aircraft-related manufacturers (parts suppliers, machine tools builder, engineering companies, etc). [At this show, total 21 companies+clusters participated this time.]

- Implementation system
  - An executive committee from Chubu Bureau of METI, local governments, economic organization (led by Mr. Mita chairman of C-ASTEC, Chubu Economic Federation) for planning, preparation and local support.

**Interim report from the show.**
Request for samples : 3 cases
Request for quotation: 19 cases
Request for NDA: 7 cases
In order to increase international competitiveness of suppliers, we are now reorganizing and integrating manufacturers and manufacturer groups.

**Current state**

Airframe manufacturer

- Companies A
  - (Machining)
- Companies B
  - (Processing)
- Companies C
  - (Assembling)

**Material supply**

Trading companies and material manufacturers

**Future image**

Airframe manufacturer

Machining companies and manufacturer group

- Companies D
  - (Machining)
- Companies E
  - (Processing)
- Companies F
  - (Assembling)

**Ordering**

Material procurement

**Purchasing of parts**
For existing workers:
- Aircraft development DBT (Design Buildup Team) leadership training seminar
- Aircraft design related CATIA seminar
- CAD seminar (CATIA V5, Pro/ENGINEER Solid Works, Auto CAD LT, etc)
- Aerospace production engineer training seminar
- Aerospace related industry “manufacturing experts” cultivation seminar

For enterprises:
- Aerospace engineer training (CATIA, 5-axis machining, etc)
- Aerospace related industries CATIA V5 seminar

For job searchers:
- Aerospace related industry’s next-generation engineer training (industrial high school students)

For industrial high school students:
- Aircraft industry’s next-generation engineer training (industrial high school students)

Education and Training

Aircraft related industry
human resource development

Design & production engineers

Production engineers

Operators & skilled workers

Skill upgrading
Job boost
Competitiveness enhancement

Aircraft development DBT (Design Buildup Team) leadership training seminar
Aircraft design related CATIA seminar
CAD seminar (CATIA V5, Pro/ENGINEER Solid Works, Auto CAD LT, etc)
Aerospace production engineer training seminar
Aerospace related industry “manufacturing experts” cultivation seminar
【Purpose of exhibition】
By gathering aerospace-related companies, organizations and others, we will foster communications among the trade and information exchanges, and at the same, we will contribute to improve the aerospace-related industry and improve understanding of the nation on the space industry, and contribute to better people’s lives.

【Name】
JA2012 International Aerospace Exhibition (Japan Aerospace 2012/JA2012)

【Dates】
6 days from 9th October (Tue) to 14th (Sun) 2012

【Venue】
◎ Port Messe Nagoya (Trade and public days)
  Trade days: 4 days from 9th October (Tue) to 12th (Fri)
  Public days: 3 days from 12th October (Fri) to 14th (Sun)
  Note) The 12th (Fri) is set as a trade/public day, and recruiting of students is planned.

◎ Chubu international airport (for public days)
  Public days: 3 days from 12th October (Fri) to 14th (Sun)
※ Organizer: The Society of Japanese Aerospace Companies (SJAC)
Thank you for your attention