

Organised by



Confederation of Indian Industry

In association with



BENGALURU SPACE EXPO 2012

12th - 15th September, 2012, Bengaluru, INDIA

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A REPORT

The 3rd Bengaluru Space Expo 2012 organized by the Confederation of Indian Industry (CII) in association with the Indian Space Research Organisation and Antrix Corporation unveiled on 12 September 2012; was successfully concluded on the 15th September 2012 at Bengaluru. The Bengaluru Space Expo has been the first B2B event focusing on Space, Satellites, launch vehicles and its related products and technologies for Indian and global space industry to address the challenges, deliberate for better growth.

BSX'12 - Asia's only focused exhibition on Space, Satellites, Launch Vehicles and its related products and technologies received encouraging response from the industry with over 74 exhibitors and participation from over eleven countries including Denmark, France, Ireland, Israel, Italy, Malaysia, Hongkong, Russia, Singapore, USA, UK.

Inaugurated by Dr K Radhakrishnan, Secretary, DOS, Chairman, Space Commission and, Chairman, ISRO, BSX clearly flagged the theme of encouraging Indian Industry to Manufacture Launch Vehicles and Communication Satellite.

Dr Radhakrishnan said industry needs to take on the larger role of manufacturing satellite launch vehicles and communication satellites while delivering the inaugural address of the 3rd Bengaluru Space Expo 2012 at BIEC, Bengaluru co-organised by Confederation of Indian Industry, Indian Space Research Organisation and Antrix. Further he added that with the industry taking the larger role, ISRO can focus predominantly on the Research & Development and developing futuristic technologies. He said that with this lead role coupled with ground systems and



downstream application services will be the fairly large business opportunities within the country. In addition, there is scope for foreign markets as witnessed by the 100th launch.

Indian space programme has been the driving force in conceiving ISRO-Antrix-CII partnership said Dr VS Hegde, CMD, Antrix Corporation Limited. Dr Hegde also emphasized that there is a need for the role reversal so that the major work in the space sector including system integration can be taken care of the Industry. In this regard, a CEO Forum to brainstorm how industry's role can be enhanced in the Indian Space programmes is also being organized. In the CEO forum captains from the industry and the Heads of the ISRO facilities can together discuss the ways and means to take the idea of larger role of the industry forward.

Mr Rajive Kaul, Past President and Chairman, Trade Fairs Council, CII and MD, Nicco, Corporation Ltd while addressing at the Inauguration said that ISRO's hundredth launch is the testimony of the competitiveness of the Indian space industry. Indian space story is undeniably the most impressive one in the world. Despite the technological denials and resource constraints, our scientists have made the nation proud many a times. The Indian success story has been acknowledged and appreciated across the globe.

Mr Kaul also said that contrary to the popular belief, the private sector has been playing a significant role by supplying the sub-systems and critical components. Indian Industry is happy to be associated with global as well as domestic space industry. Several areas that need to be considered in line with this would be, the allocation of common



costs, assigning infrastructure, support to space research and development to name a few.

Mr Kaul assured Chairman ISRO that CII and Indian Industry will be forthcoming to participate in ISRO's future initiatives.

Along with Dr Radhkrishnan; Mr Rajive Kaul, Chairman – CII Trade Fairs Committee, Confederation of Indian Industry and DR VS Hegde, CMD Antrix Corporation Limited also inaugurated BSX-WSB 2012.

Over 5,500 people, a confluence of decision makers, professionals, consultants, ISRO Centres and students from the renowned Space Institutes of the country attended the event. The event showcased a wide range of innovations, solutions and technologies by Indian Space Industry alongside those from overseas besides facilitating a platform for discussing the various ongoing projects / future projects and partnerships. The event also highlighted the fact of enhancing the role of private sector in the space missions. Overseas



(L-R) Deepak Sood, Executive Director & Head, Trade Fairs, CII, Rajive Kaul, Past President and Chairman, Trade Fairs Council, CII, Dr K Radhakrishnan, Secretary, DOS, Chairman, Space Commission and, Chairman, ISRO, Dr VS Hegde, CMD Antrix Corporation Limited and Gural Singh, Principal Advisor & Head (Defence / Aerospace / Security), CII

delegations from 19 countries Belgium, Canada, China, Czech, Denmark, France, Germany, Hongkong, Indonesia, Ireland, Israel, Kazakhstan, Korea, Nigeria, Russia, Sudan, Thailand, UK, USA attended BSX 2012 and conducted successful business meetings.

During the four days, the event generated number of business enquiries, in addition to expression of



Glimpse of European Union delegation, interacting with Indian Space industry

interest in joint working by visiting delegations. While BSX 2012 provided a defined platform to students for networking and showcasing their innovations; it also provided a unique opportunity to interact with the senior personnel of ISRO on their role and future in the Indian Space Industry.

Visit of European Union delegation comprising key people from European Commissions' Space Research & Development unit, COSMOS Network and eminent centres like Fraunhofer MOEZ, Steinbeis Centre facilitated by European Business Trade Council (EBTC) was organised to connect with Indian Space research and business community to identify opportunities and areas of interest for future collaborations.

A Half a day Technology Transfer Workshop witnessed the attendance of over 220 delegates to know on various technologies available for transfer from Space Agency and one to one interactions with the key officials of ISRO Centres.

BSX 2012 was also supported by a concurrent three-day International Conference "World Space-Biz" which deliberated on various space related aspects. The three day Summit was attended by over 450 delegates from India and overseas representing the space agencies, satellite, navigation, remote sensing and equipment manufacturing companies from 28 countries. A number of technical presentations were made at the Summit, which

was addressed by prominent speakers from many countries and covered the subjects like Access to Space, Commercialisation of Space: Communication Broadcasting, Navigation, Applications and Services, Remote Sensing Systems Applications and Value Addition, Role Of Small Satellites And Future Prospects, Forum Of Vendors & Suppliers For Space & Ground Systems. The 'World Space - Biz' provided platform for international and domestic space industry, space agencies, academia and scientific community, vendors and suppliers to discuss and deliberate upon future commercial prospects for international space industry in general and Asian region in particular.

Glimpse of the CEO Forum organized during BSX-WSB 2012 attended by the biggies of public-private sector along with ISRO and its various centres.

A special forum for the Indian CEO's with ISRO and Antrix officials to have a close door interaction was also organized. The forum provided an opportunity for the industry to understand the requirements of ISRO / Antrix; communicate and discuss various



A 'Technology Transfer Workshop' in progress



Glimpse of CEO Forum during BSX-WSB 2012

procedural issues, challenges faced including R&D, investment for developing new products etc while dealing with space organizations.

A concurrent Business to Business (B2B) was also organized to provide maximum benefits to participants at exhibition and conference. The B2B meetings helped participants and industry to understand the expansion plans and the mission with in the Asian Space network while guiding the concentrated path for better Space future.

The exhibition successfully achieved its aim at developing multi-lateral & bilateral trade relations

with the attendance of high-level overseas delegations from over seventeen countries. BSX'12 spread across five thousand sqmtrs concluded on the promising note of forming a space conglomerate with participation from Department of Space, ISRO, Antrix and Indian Industries.

With an overwhelming response of from both domestic and international participants, the exhibition was hugely successful.

The event concluded on a promising note with nearly 81% of the participants confirming their presence at next BSX series.



Dr K Radhakrishnan intracting with the Exhibitors of BSX 2012



Dr VS Hegde with Overseas delegations



Round table of C-Dot, Electronics Corporation of India (ECIL), ISRO Centres



B2B meetings in progress

SNAPSHOTS





**See you at
BSX 2014**

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