

# 3. EXECUTIVE SUMMARY

## EXECUTIVE SUMMARY of the ISTANBUL PROPOSAL TO HOST THE 68<sup>th</sup> INTERNATIONAL ASTRONAUTICAL CONGRESS



by



**Turkish Aerospace Industries, Inc. (TAI)**, the center of aviation and space industry of Turkey and **AMSAT-TR/TAMSAT**, the Amateur Satellite Technologies Association of Turkey, with strong support of Turkish Government, Aerospace Companies, and space education and academic research establishments of Turkey, and Istanbul, are very pleased and excited to present their bid to host the 68<sup>th</sup> International Astronautical Congress 2017, in Istanbul, Turkey.

The International Astronautical Congress is the largest space event that annually takes place worldwide. Our objective is to host this top notch conference and exhibition that will include the recent developments in the space community that address all aspects of space activities, knowledge, experts and the future, accompanied by a rich and exciting social program. The proposed congress dates are 2-6 October, 2017. Hosting IAC in Turkey will significantly increase the awareness towards space subjects among wider public, industry and government and the **location is perfectly positioned to establish a bridge between continents, countries and people.**

### ISTANBUL: THE BEST PLACE FOR IAC2017

Enjoy Istanbul clip at: [http://www.youtube.com/watch?v=dhLHS2o\\_8KM](http://www.youtube.com/watch?v=dhLHS2o_8KM)

- Istanbul is the home of famous Galata Tower which has been a space observatory during late 16 century
- An intoxicating mix of cultures and civilizations where East and West , ancient and modern coexist in harmony
- One of the world’s great historical and cultural cities previously known as Constantinople and originally called Byzantium: No visit to Istanbul is complete without seeing Topkapi Palace, St. Sophia, and the Blue Mosque
- Istanbul was the “European Capital of Culture, 2010”, and the “European Capital of Sports, 2012”.
- State of the art convention and exhibition centers are located in the center of Istanbul, ideal location for meetings, international incentives and congresses.
- Istanbul is the number 1 city in terms of the number of meetings held in a city according to the worldwide ranking of the International Congress and Convention Association’s (ICCA) statistics.
- Istanbul offers wide variety of tourist attractions, gourmet restaurants, quality national and international food and wines, shopping alternatives and abundant nightlife. As it is well known, Turkish cuisine is one of the three great cuisines in the world
- A shoppers paradise ranging from the Grand Bazaar (Largest covered bazaar in the world) and the Spice Bazaar to award winning shopping malls and the most exclusive boutiques.
- Istanbul is the world’s top city in TripAdvisor’s 2014 Travelers’ Choice Destinations
- 51 public and private universities with a strong interest in Space technology and communications.



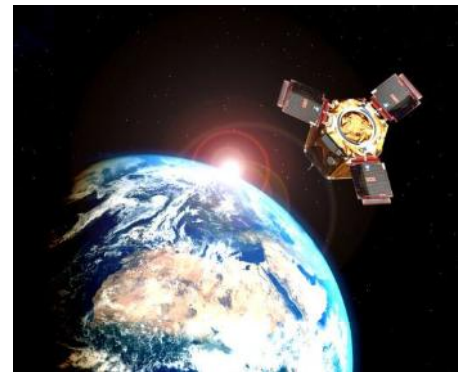
### HOSTS

**Co-host Turkish Aerospace Industries, Inc. (TAI) ranks among the top hundred global players in aerospace and defense industry.**

TAI was established to co-produce F-16's with foreign partners in 1984. TAI was restructured in the year 2005, just before the 25 years of period came to an end, with the acquisition of foreign shares by Turkish shareholders. Today, TAI has become the center of technology in design, development, modernization, manufacturing, integration and life cycle support of integrated aerospace systems, from fixed and rotary wing air platforms to UAVs and **satellites** and ranks among the top hundred global players in aerospace and defense arena (more info at [www.tai.com.tr/en/about-us/company-profile](http://www.tai.com.tr/en/about-us/company-profile)).

As the pioneer of Turkish space industry, TAI reorganized key capabilities in space in 2002 and focused on sustainable growth in satellite market. Under the light of global approach strategy; TAI sustainably enhances range of space systems and products on Earth Observation, Reconnaissance and Surveillance, Communications and Navigation Satellites; executes R&D Projects for edge technology development and qualification; and offers satellite assembly, integration and test services. Turkey's First High Resolution Electro-Optical Satellite GÖKTÜRK-2, was designed and developed by TAI and TÜBİTAK Space ([Click for more info on GÖKTÜRK-2](#)). As an international project, TAI acts as the main Local Partner of Thales Alenia Space for GÖKTÜRK-1 Project. ([Click here for more info about GÖKTÜRK-1](#)).

In addition to the system level satellite projects, TAI coordinates in house R&D activities for technology development on development of Attitude Orbit Control System Actuators (AODCS), On Board Data Handling, Thermal Control, Structural Power Subsystems and Satellite System Integration, Validation and Verification technologies.



GÖKTÜRK-2 Integration in TAI Premises

**TAI Space Systems Assembly, Integration and Test (AIT) Center (Technical Tour alternative):** AIT Center consists of the required infrastructure for measurements and ground testing of remote sensing or communication satellites up to 5 tons (Mass Properties and Alignment Measurements, Vibration Tests, Thermal Vacuum Tests, Acoustic Tests, EMI/EMC Tests, Compact Antenna Tests, Solar Panel Deployment Tests, etc.) compatible with ECSS Standards. The center is capable of performing AIT activities of more than one satellite simultaneously and has 3,800 m<sup>2</sup> integration area with Class 100.000 clean room.



TAI AIT Center Views

By adequate test capabilities and TAI's specialized technical experts, the AIT Center has been organized to serve for both national and international space programs. [\(Click here for more about AIT Center\)](#)

**Co-host TAMSAT/AMSAT-TR, a recent proud member of IAF, is currently the only NGO member from Turkey.**

TAMSAT, a recent member of IAF, is committed to space research and outreach activities. TAMSAT members have been active in the space related fields for decades. Being one of the worldwide AMSAT organizations with members spread all over the world, co-hosting of IAC 2017 by AMSAT-TR ([www.tamsat.org.tr](http://www.tamsat.org.tr)) is expected to have a positive effect on other AMSAT organizations towards strong participation in the event. All other worldwide AMSAT organizations will be invited to take an active role in the organization of IAC 2017, with a special session on satellite and space related activities undertaken by the worldwide AMSAT organizations.

#### CONGRESS MOTTO

Our objective is to host a top notch congress and exhibition that will include all the recent developments in the field of astronautics accompanied by a rich and exciting social program. A motto for the conference may be chosen to reflect the increasing efforts towards establishment of space bases near earth and on the moon and better use of space to supplement energy resources on earth: "Living in Outer Space", "Energy from Space" or "Lets Go Space". The final motto will be shaped together with IAF.

#### LOC

The LOC will be chaired by Sinan ŞENOL (TAI - Turkish Aerospace Industries, Inc. Executive Vice President, Space Systems) and Prof. Alim Rüstem Aslan (AMSAT-TR, VP and ITU-SSDTL, Manager). LOC will have members from host institutions, sponsors and IAF.

#### IPC Co-Chair

The IPC CO-Chair for the 68th IAC will be Prof.Dr. Orhan Altan of ITU, who is currently the 1stVP of International Society for Photogrammetry and Remote Sensing (ISPRS). He is also a member of the UN expert group of the ad-hoc Committee of the UN Entity, SPIDER (Space-based Information for Disaster Management and Emergence Response) and chair of the JB GIS ad hoc Committee on Risk and Disaster Management. Additionally, he is corresponding member of the Bavarian Academy of Sciences, Corresponding Member of the International Academy of Astronautics

and in September 2011 he was elected to the Executive Board of the International Council for Science (ICSU). Moreover, many other experienced members from the Union of Turkish Space Universities (UTSU/UTEB) will help Prof. Altan along with other IPC members from IAF member organizations.

### **IAC2017 FOR TURKISH SPACE INSTITUTIONS**

Turkey has announced an ambitious space program, in 2005. Since then, many developments have taken place in the field. Following the declaration of “space program” many Turkish commercial establishments are actively involved in space projects. Currently, four Turkish made satellites are in orbit, while many other programs (SAR, EO and Communication Satellites) have already been initiated or planned to start in 2015. The declared space plan also includes becoming members of important space organizations and hosting of large space events in Turkey. Organization of an IAF Congress is explicitly stated. This is expected to increase international collaboration and networking, along with recognition of Turkish space activities. Moreover, Turkey is establishing its own space agency. For this purpose, the name and capacity of Ministry of Transport has been changed to “Ministry of Transport, Maritime Affairs and Communications”, including the “Directorate General of Aeronautics and Space Technologies (DGAST)”. Owing to the fact that the duties and responsibilities given to the DGAST by the law, DGAST acts as the National Space Agency of Turkey. Having the entire world space agencies in Istanbul, Turkey, will be an invaluable opportunity to aid the development of “Turkish Space Agency”.

Currently, there are seven IAF members from Turkey. Six of these have become IAF members after 2011. IAC 2017 is expected to boost further IAF membership from other Turkish space related institutions.

There are many new “Space Science and Technology” and “Astronautical Engineering” departments just established in various state and private universities, around Turkey. To aid these new academic institutions, the Turkish Universities Space Engineering Consortium (UTEB) was established to increase involvement of academic institutions in space technology. Hosting the 68th IAC in Istanbul, Turkey, will increase participation of other UTEB members in IAF. UTEB universities host continuously many international activities of various sizes.

### **EASE OF ACCESS and VISA**

Istanbul, the only city in the world to sit on two continents – Europe and Asia, the cradle of great civilizations for 2,600 years, which is centrally located to all major destinations throughout the world, not requiring visa to most nationals or ease of obtaining visa at the Turkish Airports, being a major point of attraction worldwide is most likely to attract thousands of attendees to the 68<sup>th</sup> IAC.

There are over 80 major international airliners with daily flights to and from the award winning state of the art Istanbul Ataturk International Airport and Istanbul Sabiha Gökçen International Airport. Most major European airports are 2 to 4 hours flight time away from Istanbul, and from the east coast of North America and Far East it is about 10-hour journey. Turkish Airlines offers direct flights to 187 international airports around the world.

### **OFFICIAL AIRLINER**

The Turkish Airlines who was four times in a row chosen as the best Airline of Europe will be the official Airliner of IAC 2017.

### **LOCAL and GOVERNMENT SUPPORT**

TAI and TAMSAT have the full support of Istanbul municipality and its mayor, Istanbul Convention and Visitors Bureau, and Association of Turkish Travel Agencies for hosting of 68th IAC.

Directorate General of Aeronautics and Space Technologies, Republic of Turkey Ministry of Transportation, Maritime Affairs and Communications and Turkish Government Undersecretariat for Defense Industries (SSM) are also strongly supporting the ISTANBUL BID.



**THE PCO**

The PCO for IAC 2017 ISTANBUL is the TEAMCON who is a very experienced congress/event organization company with years of experience. TEAMCON is also the PCO of biennial event “Recent Advances in Space Technologies, RAST”.

**CONGRESS VENUE**

Istanbul Congress Centre (ICC) is at an ideal location right next to the city center, business district, and to major attractions with 5-10 minutes walking distance to nearly 10.000 hotel rooms of various categories. With an auditorium of 3700 seats, numerous meeting rooms with seating capacities between 10-500 and more than 10.000m<sup>2</sup> of exhibition area which is adjacent and directly connected to meeting rooms, ICC has the infrastructure to meet the needs of IAC 2017 with the latest technology technical equipment and full audio-visual support including simultaneous translation in more than eleven languages. ICC which hosted numerous very large international meetings and exhibitions is fully reserved to host the IAC2017.



**ACCOMODATION**

Over a hundred, 5, 4 and 3 star hotels, with more than 70.000 rooms provide excellent accommodation, including most of the world’s best international hotel chains. Istanbul is one of the few lucky cities in the world, with most of the hotels being located only within 5 to 10 minutes of walking distance from the congress venues. Hilton Bosphorus hotel, which is facing the congress venue, is the Main Congress Hotel of IAC 2017. The Hilton has 499 rooms all with special balcony many facing the Bosphorus.



Enjoy a video of Hilton Istanbul at <http://www.youtube.com/watch?v=c2q4eR2F7DE>

Istanbul offers numerous possibilities for budget travellers, where affordable, clean and safe accommodation is possible. Most of the budget hotels and hostels are located in Sultan Ahmet and Taksim (the congress venue) district.

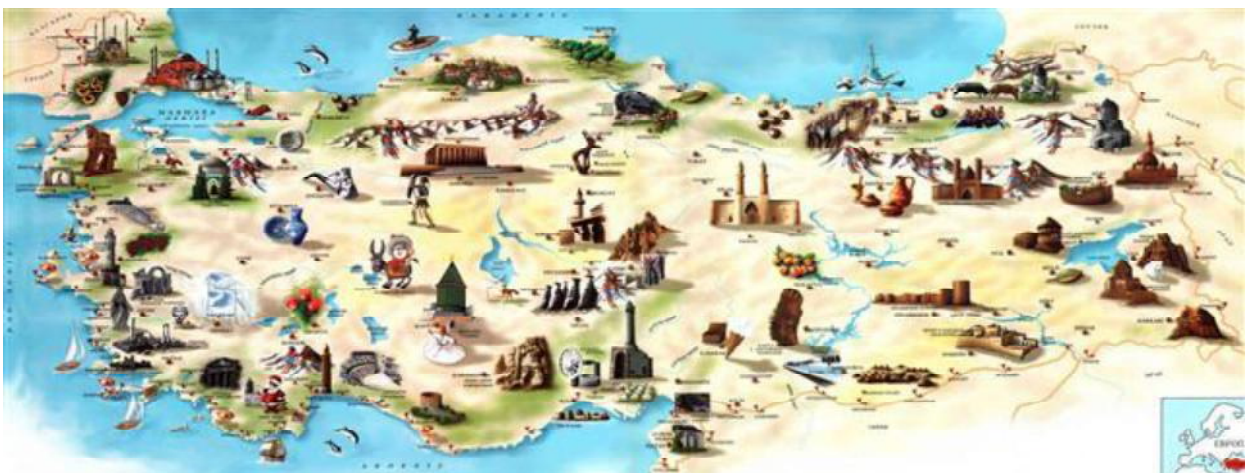


**GALA DINNER and OPENING CEREMONY**

Istanbul has breath taking venues for the social programs. Historical places like Çırağan Palace and Adile Sultan Palace, Galata Bridge on the Golden Horn and an island on Bosphorus called Suada are the alternatives for the memorable Gala Dinner. Opening Ceremony will be held in the Congress Center and the world famous **Fire of Anatolia** will perform a cultural dance show.



**PRE and POST TOURS in TURKEY**



## *ISTANBUL, Turkey is the ideal location to host the 68<sup>th</sup> IAC*



*Let's Go Space, Let's Go Istanbul,*

*Let's fill the SPACE between The Continents!*

- Selecting the city of Istanbul to host the IAC 2017 will result in a truly Eurasian event since the city has been a bridge between civilizations and continents for over one thousand years.
- Following the IAC 2014, in Toronto, Canada and the IAC 2016 in Guadalajara, Mexico, this beautiful city, the cradle of great civilizations for 2600 years will be the ideal location to host the IAC 2017 meeting and its distinguished members.
- The last but not the least, the International Astronautical Congress **has never been organized in Turkey**, and for a long time in the vicinity, and thus we are expecting a great participation.



*We look forward to welcome you in timeless city, Istanbul*