

Information Note

October 2018

Istanbul New Airport, the largest infrastructure in the history of the Republic, is now **97%** complete and it will break new grounds in many fields with its technology, design and passenger experience.

- **Total Project Area:** 76.5 million square meters
- **Project Investment Cost:** EUR 10.2 billion
- **Commissioning Date of the Airport:** October 29, 2018
- **The Airport Section to Become Operational in 2018:** Phase 1A
- **Areas to be in Phase 1:** Main terminal building of 1.4 million square meters, 2 runways, ATC (Airport Traffic Control Tower) and auxiliary buildings
 - **Airport Traffic Control Tower: Established on 5,000 square meters of area, 90 meters high (Inspired by the tulip figure and designed by Pininfarina in collaboration with AECOM)**
- **Annual Passenger Capacity:** 90 million passengers/year in Phase 1, the capacity can be raised to 200 million passengers/year after all phases are completed
- **Number of Passenger Boarding Bridges:** 143

Location and Transportation Information:

- **Location of the Airport:** The airport is located in the European side of Istanbul, between the villages Tayakadın and Akpınar near the Black Sea shore.
- **Distance to the City Center:** 35 km (**Taksim - New Airport**)
- **Transportation to the Airport**
 - Gayrettepe - New Airport Metro Line (25 minutes on average)
 - D-20 new road connection
 - Istanbul connection via Yavuz Sultan Selim Bridge and North Marmara Motorway Project
 - High Speed Train connection
 - Anatolian Side Connection via the Three-Level Great Istanbul Tunnel Project

Employment Created by the Construction Phase: As of October 2018, there are approximately 33,000 employees, 2,500 of which are white collar workers.

- Putting together the direct, indirect, triggering and accelerating economic impacts of Istanbul New Airport within the scope of the Global Growth Scenario (Optimistic Scenario), it is foreseen that the employment arising from INA related activities will reach **225,000** people by 2025.
- Putting together the direct, indirect, triggering and accelerating economic impacts of Istanbul New Airport within the scope of the Global Growth Scenario (Optimistic Scenario), it is foreseen that the GDP arising from INA related activities will be **4.89%** in 2025.
- **Employment to be Provided:** In 2025, it will directly and indirectly provide a source of income to 225,000 people.

Istanbul New Airport will change the "axis of travel"!

The Spanish tourism consultancy company ForwardKeys stated in its trend report based on approximately 1.7 million reservation processes and covering the first quarter of 2018 that the rate of transit flights in Istanbul has increased by 21% compared to the previous year. The ForwardKeys report states that the demand for flights from the USA and Europe to Israel, Middle East, Iran and North India will be even more profitable in the future for Istanbul due to its geographical location.

Istanbul New Airport will become one of the most important platforms for the promotion of Turkish goods and brands!

One of the most important priorities of Istanbul New Airport will be to perfect the passenger comfort and shopping experience and provide the best passenger experience possible. With its **retail shop area** that is larger than **55,000 square meters** and **food-drink area** of **32,000 square meters**, Istanbul New Airport will become one of the most important platforms for the promotion of Turkish goods and brands. The Duty Free Zone to be operated by Unifree, the affiliate of Heinemann Group in Turkey, will feature many new brands as well.

The new HUB in cargo transportation will be Istanbul New Airport!

The shift towards Asia-Pacific region not only in travel but also in commerce will make Istanbul New Airport a strong player in cargo transportation business too. It will be a point of attraction in commerce as well as passenger transportation.

Istanbul New Airport will have **4 million tons** of cargo capacity upon its commence, and it will increase to 5.5 million tons after all phases are completed. Therefore, it will surpass Frankfurt Airport, which has 4.5 million tons of capacity.

Istanbul New Airport will also be a center of attraction with its easy transportation!

All activities are being carried out to ensure that the transportation to Istanbul New Airport is effortless. Currently, it takes 30 minutes to go from Levent to Istanbul New Airport via the D-20 Motorway (Göktürk - Kemerburgaz direction).

The passengers will be able to go from Gayrettepe to Istanbul New Airport in only 25 minutes and 5 stops via the metro line consisting of Gayrettepe-Kağıthane-Kemerburgaz-Göktürk-İhsaniye and Istanbul New Airport stops. The passengers will go from Halkalı to the airport easily via the second metro line that passes through Halkalı-Temapark-Olimpiyat-Kayaşehir-Merkez Arnavutköy-Merkez and Istanbul New Airport.

The North Marmara Motorway connection will be finished by October 29, 2018, the date of commissioning. The high speed train project will also be connected to Istanbul New Airport by connecting the European and Asian sides via the Yavuz Sultan Selim Bridge. There will be many shuttles in service in several parts of the city, and there will be transfers from Atatürk Airport at the first period.

A carefully thought-out passenger experience

Istanbul New Airport will be equipped with a smart system, beacon, full Wi-Fi coverage, radio and new generation GSM infrastructure and LTE, sensors and the IoT. In this respect, the travel from home to the airport will be optimized for the passengers to utilize the airport who will have a unique passenger experience at the airport. All experiences from the passengers' front doors to the gates of the airport will be planned based on the city traffic data, and thus the passengers will be able to plan their schedules. Additionally, the use of machines that can process mobile beacons, face and voice recognition at check-in or baggage claim points will be possible at Istanbul New Airport. Through the **42 km long baggage system** with the capacity to process **30,000 baggages per hour**, the baggage to be collected from 13 check-in counter islands will be delivered to the passengers as quickly as possible.

Both instantaneous and retrospective information can be collected with artificial intelligence and image processing systems. Thanks to mobile communication technologies such as LTE and WiFi, Bluetooth (beacon), personal activities and offers that are appropriate for the tastes, needs and income level of the passengers will be created and shared with the them instantly. With this and many other similar features, Istanbul New Airport will be an airport that focuses on its passengers.

Inspired by Turkish - Islamic Arts and Architecture

Istanbul New Airport, which has a terminal design that is fed by the unique cultural and architectural values of Istanbul, will be nominated to set an example in the world of airport architecture with its flexible and spacious design. Turkish - Islamic art motifs are used throughout Istanbul New Airport which is expected to be equipped with a plain and functional systematic besides its aesthetic features. Moreover, it is preferred to cooperate with domestic producers and manufacturers during the construction process of the project in order to contribute both to the

workforce competition and to the national economy. In this respect, Istanbul New Airport will showcase Turkish architecture, products and raw materials to the world in addition to Turkish hospitality.

Environment and Sustainability Works:

- All of the commercial enterprises in Istanbul New Airport will possess a green business certificate. The New Airport will be constructed as a sustainable, environmentally friendly, accessible and green airport that produces its own energy.
- Istanbul New Airport Terminal Building aims at Silver level at LEED, a Green Building Certification, with 21% energy efficiency according to the traditional ASHRAE (American Association of Heating, Cooling and Air Conditioning Engineers) standards.
- **ENVISION Certificate:** İGA applied to the Envision Sustainability Certificate of the Institute for Sustainable Infrastructure, which is among the most important and most prestigious references in the field of sustainability and assesses the environmental, social and economic impacts of infrastructure projects. Istanbul New Airport will be the **first infrastructure project to earn this certificate outside of North America, and the largest one in the world.**
- At İGA, the electricity and water saved will be equivalent to the consumption of **19,000** and **6,750** households per year respectively. Therefore, Istanbul New Airport will save **TRY 33.2 million** annually.
- The terminal is designed to use rain water, recycled water and gray water to meet its own needs. The terminal will save up to **40%** water. This means **1.5 million cubic meters** of water will be saved each year, which is equivalent to the water consumption of **5,500 households in 1 year.**
- As a result of energy efficiency studies, it is estimated that the energy savings will be equivalent to **the energy consumption of 19,000 households, meaning 30,700 tons of CO2 (eq) per year.**
- The detailed and technical studies regarding Environment and Sustainability carried out at Istanbul New Airport are exemplary for the world aviation sector. İGA is invited to international conferences for these studies to be a pioneer in the aviation industry. **İGA plans to share all knowledge and experience gained in the field of environment and sustainability to all representatives of the aviation sector in order to contribute to the sustainable development of the industry.**

AWARDS & CERTIFICATES

- IDC Turkey - Best Cost Efficiency Award 2017
- The International CSR Excellence Awards – Social Responsibility Award 2017
- Turkey Bonds and Loans Transport Finance Deal of the Year 2017
- Stevie International Business Awards - Corporate Social Responsibility Program of the Year 2017
- World Architecture Festival (WAF) - Future Infrastructure Project Award 2016
- Chicago Athenaeum International Architecture Award 2016
- ISO 14001:2015 Environment Management System Document 2016
- Young Leaders and Entrepreneurs Association Social Responsibility Award 2016
- TIER III Certification of Design Document 2017 – Data Center Phase 1