

RENOVATION OF THE AIR TRAFFIC SURVEILLANCE NETWORK OF TURKEY BY INDRA



Bahçe radar station

TWO RADAR STATIONS AT BAHÇE AND ANTALYA IN OPERATION

Indra contracted by Turkey's State Airport Authority DHMI



Bahçe radar environment

A contract for modernization and extension of Turkey air traffic management capacity was awarded to Indra in 2009. The Project has a duration of three years and it reinforces the position of the first IT Company in Spain and leading multinational IT company within the ATM market.

Indra concluded the modernisation of the first two radar stations in Turkey air traffic surveillance network.

More than 90 countries all over the world have trusted Indra to provide solutions to supply their Air Traffic Management and Airports solutions with state-of-the-art equipment, with relevant presence in Europe, Latin America, Asia-Pacific and important growth in Africa.

New Radars throughout Turkey and Cyprus

The new network is being equipped with **eighteen Mode S Secondary Surveillance Radars** which automatically interrogate aircrafts for information regarding identification, flight altitude and additional data plus **five S-Band Primary Surveillance radars**, and will contribute to cover the whole airspace of the country.

Indra will be also responsible for the startup of the new Air Approach Control Centre at Trabzon airport, at the country northwest, on the Black Sea coast.

The company will supply its air traffic management and voice communication systems to the Air Control Centre providing air traffic controllers with a global vision of activities that might occur in the airspace they are responsible for.

Some of these new radars will be located in stations of new construction and some others in stations to be renovated under the civil works scope of the project. The systems in Ağrı, Antalya, Merzifon, Karaman Ermenek, İstanbul Yenibosna, Bahçe Akçadag, Dalaman Nuribaba, Inebolu Göynük, Erzurum, Trabzon and Ağrıdaki in Çipre are to be located in new stations; Ankara Esenboga, Antalya, Batman, İzmir Adnan Menderes, İzmir Akdag, Burdur Eglence, and Erçan in Cyprus are existing stations to be renovated.



New Turkey radar network map

The data from these radar systems will be integrated in the different control centres located in the country in order to treat and present the information provided properly. By using this technology, the air traffic management capacity of the airports will be extended at the same time high security levels are maintained.

Indra has completed the modernization of the radar stations at Bahçe station, which provides data to the control center of the capital (Ankara), and Antalya station, which

provides data to the Air Control Centre of this region of Turkey, an important touristic area of the country.

This delivery marks a milestone in the modernization of the air traffic infrastructure of the country and its entry into service will raise the number of flights that can be managed by these two control centers. At the same time, in both cases the safety standards required by the Civil Aviation Authority (IATA) will be exceeded.



Antalya radar station