

SMART STATIONS IN SMART CITIES



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UNDER THE HIGH PATRONAGE OF









Total railway network of Turkey is 12.532 km and since 2004 1.213 km HST line has been constructed and put into operation.







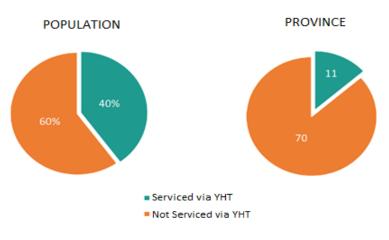


TCDD's High Speed Railway Lines in Operation

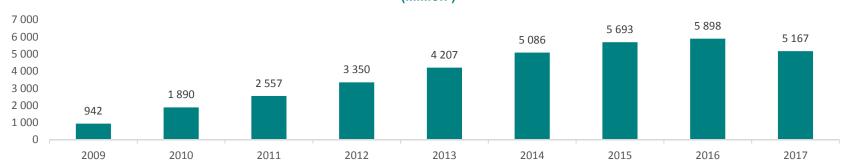
HS Route	Commissioning Date
Ankara-Eskişehir	13.03.2009
Ankara-Konya	24.08.2011
Ankara-İstanbul (Pendik)	27.07.2014
Konya-İstanbul (Pendik)	18.12.2014

The total number of passengers up to now: 36 million

The number of passengers transported by rail between Ankara and Eskişehir by HST increased from 8% to 72%. Between Ankara and Konya, the amount of 66% of total passenger were transported by HST.



Total Number of HSR Passenger (Million)









ANKARA HST STATION



- New station is in the city center
- There is the possibility to integrate the station with the existing and planned light rail systems
- Project area is the property of TCDD





- -The population of the capital city Ankara is 5.346.518 people.
- The silhouette of a train was used as a concept. Roof elements, atriums and terraces positioned in two edges of the building in each floor, a living space is created by transferring an uninterrupted natural light to the platforms.



- Station is environment friendly. Rain water is stored with a special system on the roof and used in the reservoir of the toilets. In the heating boilers, an economizer system is used. This system enables to reuse the gases emitted from the funnel. It has been applied to the USGBC US Green Building (The Council) created by Leadership in Energy and Environmental Design.
- Some statistics about the station are; 100.000 m3 cast in-situ concrete, 12500 tones reinforcement, 25000m2 steel roof course and tonnage of 7400 steel construction. There are 60 escalators and 42 elevators in total.







ANKARA HST STATION



- The construction and operation of Ankara High Speed Station ATG has been carried through a partnership built between Cengiz İnşaat, Limak İnşaat and Kolin İnşaat under a company named Ankara Tren Garı İşletmesi (ATG AŞ.)
- Ankara HST Station constructed with BOT Model and has been commissioned on 29 October 2016.



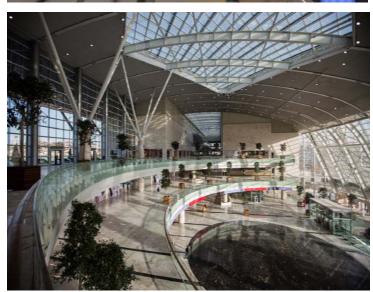




BOT MODEL FOR THE STATION

- The BOT Agreement was signed in October 2013 and construction site delivery was made in 2014.
- In 2016 29th October, Ankara HST opened with a ceremony.
- The ATG A.Ş will operate the station for 19 years and 7 months.
- The investment budget is 235.000.000 USD.





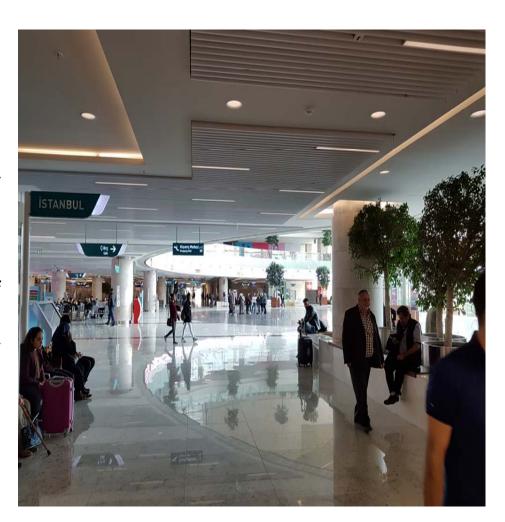






TERMS OF THE CONTRACT

- Investment period is for 2 years,
- The guaranteed number of the passengers are 2 million for the first two years, 5 million for the next two years, then 8 million for the next four years and 10 millions for between 9th-14th years.
- For 14 years, in the framework of the guranteed passenger numbers;
 1.5 USD plus VAT will be paid per passenger departed from Ankara HST.









TERMS OF THE CONTRACT



- For 14 years, the number of saled tickets exceeds the guranteed passenger numbers; 1/3 of the amount (1.5 USD plus VAT) to be paid per passenger will be transferred to the ATG Company.
- The revenues allocated for the operation are: the rental income of all commercial areas. advertisement income, close car park income, CIP income and left luggage income.







BASIC INFORMATION OF THE PROJECT

HST STATION Project Land Area	69.382 m²
Total Construction Area (Closed Area)	194.460 m²
Reserved Area for Train Operation (platform + LINE)	24.242 m²
Total Commercial Area	50.644 m²
TCDD Area	5.690 m²
Common Area (circulation areas, stairs and shelters)	78.000 m²
Total Number of Platforms	3 pieces (400 m X 11 m)
Total Number of Railway Lines	6 pieces
Total Floor	8 Floor 3 basement floors+ ground floor-ticket floor + 4 floor
Building Session	395 m X 85 m
Building Height	30 m
Parking Capacity	1.250 Closed Parking Lots - 90 Open Car Parks
Parking Area	35.000 m ²
Daily Passenger Capacity	50.000 Passenger
Daily Visitor Capacity	100.000 Visitor
BOT investment Period	2 Year
BOT Operation Period	19 year 7 month
	225 Millian Dollars
Investment Grade	235 Million Dollars





COMMERCIAL SIZE OF THE PROJECT

Hotel Area	13.500 m² (Multi-purpose Hall included)
Hotel Capacity	134 rooms
Leasable Commercial Area (offices)	7.000 m ² 12 pieces (±)
Leasable Commercial Areas (Shops, fast food, restaurant, cafe, kiosk, rent a car, buffet, ticket sales - agent, CIP	216 pieces / 25.000 m²
Shop	150 pieces
Fast-food	10 pieces
Amusement Center	500 people
Restaurant	8 pieces
Food Sales	12 pieces
Kiosk	14 pieces
Rent a Car	4 pieces
Buffet	6 pieces
Ticket Sales - Agent	10 pieces
CIP	1 pieces
Parking Capacity	35.495 m ² -for 1200 vehicles
Unclaimed Luggage Office	45.60 m²





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