

ANKARA HIGH-SPEED TRAIN DEPOT NEW MAINTENANCE FACILITY

English



TracFeed® ALU2000 & OSS
Project Report



Maintenance area with retractable OCR

ANKARA HIGH-SPEED TRAIN DEPOT

Turkey's state-owned railway company TCDD is building a new service facility for its high-speed trains, recognising the need for more maintenance and repair capacities resulting from the continuous expansion of the high-speed railway network in Turkey.

Services

The services rendered by Rail Power Systems included the complete design of the contact line system, including the partially pivoting overhead conductor rail, the supervision of the installation and support during commissioning.

The contract was awarded in July 2015, project completion was scheduled 15 months later, end of August 2016. The project has been divided into the following phases:

- Design, approx. 4 months
- Material deliveries, approx. 5 months
- Supervision of the installation, approx. 3 months
- Commissioning, end of August 2016

The total length of the track inside the depot is approximately 40 km. Apart from this track, seven maintenance tracks with a length of 250 m each have been equipped with an overhead conductor rail. Six of these seven tracks

are fitted with a retractable overhead conductor rail. They are divided into segments that will be activated separately on account of the length of the retractable overhead conductor rail. This posed an additional challenge to those in charge of designing, planning and programming the command & control system.

Rail Power Systems also supported the client on site in coordinating other service areas, as well as with the approval and final inspection processes to be performed by the TCDD.

Project facts:

- **Contact line system** TracFeed® ALU2000
- **Overhead conductor rail system** TracFeed® OSS
- **Total length of the track** approx. 40 km
- **Length of the track with overhead conductor rail** approx. 1.8 km
- **Project duration** 15 months
- **Assistance on site provided by Rail Power Systems personnel**



Yard tracks

One of Rail Power Systems' major contributions to this project is its tried-and-tested TracFeed® ALU2000 contact line system. This system has already been used with great success in many countries including Turkey itself where, since 2008, it has powered the Polatli–Konya section of the high-speed line running from Ankara to Konya.

Another seasoned system used for this project is the overhead conductor rail TracFeed® OSS, which has proven its reliability convincingly during years of use in various depots and maintenance facilities as well as in a variety of (tunnel) routes.

Lastly, comprehensive support of the customer throughout the project – from the project launch to the final inspection – was guaranteed through ability to provide a one-stop solution (planning, material, supervision, commissioning) that reflects the level of quality customers have come to expect from Rail Power Systems.

This project once again demonstrates the strong position Rail Power Systems enjoys in the vital marketplace of Turkey and underscores the company's role as a competent partner capable of supporting the customer in all areas (design, planning, components and material, supervision and commissioning).

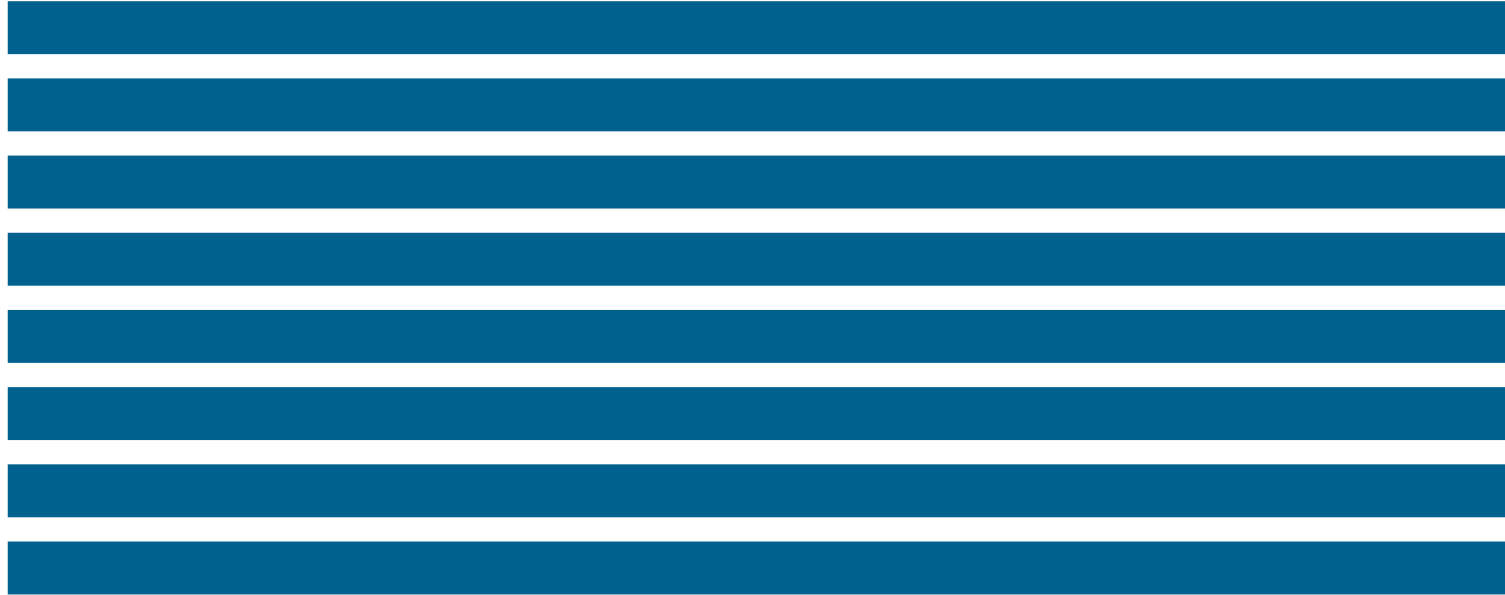


Depot Building C – Entrance



Polatli–Konya section of Ankara–Konya Highspeed-Line





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