

## Diagnostic Portals from MERMEC will check safety of Turkish trains

*The State Railways of the Republic of Turkey (TCDD) signed two new contracts reconfirming trust and confidence in MERMEC Group's solutions. Track measurement services and automatic train examination portals will be supplied to TCDD to enforce its safety strategy.*

**Ankara, Turkey** – The MERMEC Group will assist TCDD with the inspection of 4,150 track kilometers on its conventional and high-speed lines and will install three multifunctional train monitoring portals called “Automatic Train Examination Stations - ATES”.

More precisely, by contracted service MERMEC Group will provide TCDD with equipment, manpower and expertise to perform track geometry, rail profile and rail corrugation inspections on 450 track kilometers of high-speed lines between Ankara and Eskişehir, and on 3,700 track kilometers of conventional lines. The track measurement campaigns will be completed by the end of 2009.

Moreover, three ATES will be installed at critical centers in Ankara, Afyon and Malatya. The centers have been chosen by TCDD because of their high traffic density and their strategic position along the line.

Each of the three monitoring portal will consist of the following diagnostic solutions: Vehicle Identification System; Wheel Profile Measurement System; Ultrasonic Wheel Inspection System; Wheel Surface Defects Detecting System; Wheel Flatness Detecting System; Brake Shoe, Brake Lining and Disc Wear Detecting System, and Axle Box Detector.

The data gathered from the monitoring portals will be transmitted to a Central Control Room then accurately analyzed for maintenance optimization and planning. In this way coaches that are non-compliant with the national safety standards will be preventively repaired. This will positively impact the total quality of transport service as well as overall cost and safety performance.

“Automatic Train Examination Station - ATES” is one of the key-product of the railway safety systems offering. The MERMEC Group is specialized in design and development of “Wayside Multifunctional Safety Portals” that allow real-time inspection of travelling trains. Typically installed in critical points along the lines (railway tunnels, inhabited places, high-capacity rail links), Multifunctional Portals allow incident prevention by enabling real-time analysis of vehicle's components: wheels and brakes, clearance gauge, unbalanced and oversized loads, axles and bearings temperatures.

Thanks to these new contracts, MERMEC Group reinforces its global footprint and reconfirms its position as the world leader in diagnostic solutions with more than 500 measuring and monitoring systems supplied worldwide.



**MERMEC group**

*About TCDD, TÜRKİYE CUMHURİYETİ DEVLET DEMİRYOLLARI - The State Railways of the Republic of Turkey is the state corporation that operates the public railway system in Turkey. Founded in 1927, TCDD now operates around 8700 kilometers of railway lines and recently opened a new high speed line between Ankara and Istanbul.*

*About the MERMEC Group - Industry leader and innovator focused on developing cutting-edge technology able to advance safety, efficiency and availability of railway and rapid transit networks worldwide. The MERMEC Group provides products and services in more than 37 countries, with nearly 90 major private and public customers involved in freight and passenger transport, train production, wheel & rail manufacturing.*

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**PRESS RELEASE**

