

Mokarrar Trade & Engineering Services Co. (MTES)

A subsidiary of Mokarrar Industrial Investment Group

Portfolio

Smooth operation of advanced industries demands timely and efficient support of logistics & proper technical services. In line with today's mounting competitive market needs, we at MTES have dedicated ourselves to serving the industries as a provider of machinery, raw material, equipment & know how, through trade, engineering support & training. Backed by our highly experienced and skilled technical staff and working through our offices in Dubai, Germany & Canada as well as our long standing affiliation with technical foreign consultant firms, MTES has managed to play an important role in the transfer of technology, equipment, production lines and services to all sectors of the Iranian industrial community. Although MTES is well know for its long history of supply and service in the petrochemical, road and transportation, water and waste water, health and medical supplies and power generation, the company is presently active in the 3 distinct fields of rail ways, chemicals and industrial tools/equipments.

"Railways Department"

MTES actively participates in Iranian railway tenders and has already engaged in several national projects with highly qualified international partners. Our major working domains include:

- Signaling and communication Systems
- Overhead Catenary System (OCS)
- Non Destructive Testing (NDT)
- Measurement equipment
- Depot
- Track superstructure and materials supply

Signaling and communication

Rail department in MTES provides best and unique products and services in Signaling and communication as it has exclusive agencies from all over the world.

Products and services

1. Point machines: electro hydraulic, electromagnetic, mechanical
2. Automatic level crossing system
3. Depot control management, RFID solution, Train Tracking and Event Recording
4. Accessories: point controller, point heater, signal lights, axle counter, testing and service equipment, track circuit, track brake, etc.
5. Axle counter used at stations and crossings
6. Track and locomotive balises used in ATP system
7. Train presence detection at crossing using ITR/UTR system
8. Automatic train detection system and dead man control unit
9. Tag and Reader equipment, used in transportation and transit
10. AVL solution for tracking vehicles, automobiles, railcars, etc
11. GPS equipment , electronic accessories boards
12. Satellite GIS and GPS service
13. Tag and Reader equipment, used in transportation and transit
14. AEI (Automatic Equipment Identification)
15. Fleet management system (train, buses, vans, etc) in depots and workshops
16. Railway fleet tracking system in city transportation

Agency

- HANNING & KAHL, Germany
- ALTPRO d.o.o, Croatia
- VEIC, China
- DAIKEN, Brazil
- FUSO, Japan
- AMTAB, Sweden
- COMTOP Tech, Taiwan
- HEPWORTH RAIL, England
- GAORFID, Canada
- ACTIVE WAVE, United State
- TagMaster, Sweden

Overhead Catenary System

Rail department in MTES provides best and unique products and services in Overhead Catenary System as it has exclusive agencies from all over the world.

Products and services

1. Hangers: thimble, without thimble, tunnel gliding hanger, , etc
2. Pre-tensioning system
3. Contact wire, support wires
4. Suspension brackets
5. Catenary engineering for railways, trams and trolley-buses
6. Overhead power lines / Energy technology
7. Industrial cabling and erection
8. Traffic engineering / specialized electrical equipment

Agency

- KRUCH, Austria
 - KUMA, Swiss
 - TRANSNATIONAL, Austria
 - USLUEL, Turkey
 - EUROPETEN, Austria
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Non Destructive Testing

Rail department in MTES provides best and unique products and services in Non Destructive Testing as it has exclusive agencies from all over the world.

Products and services

1. UT test of railway track using 8000SX vehicle: economical, fast installation, easy Operation, high precision, low consumption
2. Design, execution, consulting in the field of UT testing and defects detection
3. Portable Hand held UT test device

Agency

- ADDING UNDERSTANDING, Australia
 - TSCW, China
 - RTI Group, Australia
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Measurement equipment

Rail department in MTES provides best and unique products and services in Measurement equipment as it has exclusive agencies from all over the world.

Products and services

1. Measuring complete wheel and flange profile , dynamic and stationary
2. Measuring wheel diameter and wheel flat condition
3. Measuring geometry at points
4. Forming database for condition monitoring of fleet wheels
5. Portable non-contact laser device for rail and wheel profile measuring
6. Mount-on-fleet non-contact laser devices for rail profile measuring
7. Fully automatic, dynamic vehicle weighing systems
8. Paint blaster unit used for highly loaded axels
9. Train detector
10. Wheel flat detector
11. Wire Wear System (WWS) used for Overhead Centenary System (OCS)
12. Contact Wire Position measurement (CRS)
13. Laser Pole Detection System (LPS)
14. Electronic equipment for railway
15. EOT devices
16. On-board computer
17. Dynamic weighing system
18. Weighing products for trains, truck and vehicles
19. Train Balancing/Weighing System
20. High-Speed Weigh-in-Motion and Classification System
21. Hot Box Detector system (HBD)
22. Dragging Equipment Detector (DED)
23. Dynamic Train Imaging (DTI)
24. Hot Box Detector system (HBD)
25. Automatic Equipment Identification

Agency

- NETWORK RAIL, England
 - Dr. D. WEHRHAHN, Germany
 - GRAW sp. z o.o., Poland
 - AMTAB, Sweden
 - ALTPRO, Croatia
 - TCEW, China
 - SAFETRACK, Sweden
 - FRAUNHOFER, Germany
 - DAIKEN, Brazil
 - TRAKBLAZE, Australia
 - VEIC, China
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Depot Equipment

Rail department in MTES provides best and unique products and services in Depot Equipment S as it has exclusive agencies from all over the world.

Products and services

1. Deferent types of jacks
2. Lifters
3. Bogie test machine
4. Bogie/Wheel set drop machine
5. Bogie handling
6. Depot Protection System (DPS)
7. Depot management system
8. Fleet management system
9. Depot customization software design
10. Diagnosis systems: FADIS, WEDIS
11. Automatic Train Washing Machine
12. Rolling Stocks
13. Towing machines
14. Rail Cranes

Agency

- HANNING & KAHL, Germany
 - VABerlin, Germany
 - Dr. D. WEHRHAHN, Germany
 - VEIC, China
 - GRAW sp. z o.o., Poland
 - AMTAB, Sweden
 - MECHAN, United Kingdom
 - AQUA ENERGY, England
 - D2T, France
 - DAIKEN, Brazil
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Track Superstructure Materials

Rail department in MTES provides best and unique products and services in Track Superstructure Materials as it has exclusive agencies from all over the world.

Products and services

1. Screw Spike
2. Rail Spikes
3. Roll Plug
4. Railway Fastenings (Vossloh, Pandrol ...)
5. Steel Sleepers
6. Rail Pads
7. Guide
8. Rail Anchor
9. Bolts, Nuts & Washers
10. Fishplate
11. Vossloh Screw for concrete sleepers
12. Thermite welding: Crucible, mould, burner, shearing machine

Agency

- SOFRASAR, France
- ROYAL GROUP, India
- ROLF PLOTZ, Germany
- BHASKAR, India
- YUANTIE, China

We are the sole agent of the following international enterprises in the field of transportation and railway business:

1. TAG MASTER, Sweden
2. ALTPRO d.o.o., Croatia
3. AMTAB, Sweden
4. HANNING & KAHL GmbH & Co. KG, Germany
5. VABerlin GmbH & Co. KG, Germany
6. Fraunhofer Institute of Physical Measurement MPI, Germany
7. Adding understanding, Australia
8. P.U.T.GRAW sp. z o.o., Poland
9. Dr Wehrhahn, Germany
10. Safetrack, Sweden
11. Kummler & Matter, Switzerland
12. Kruch, Austria
13. EKS, Germany
14. TSCW, Singapore
15. Royal Track, India
16. Plötz GmbH & Co. KG, Germany
17. Mechan Co, UK
18. AQUA Energy, UK
19. BHASKAR GROUP, India
20. VEIC Harbin Technologies, China
21. AUTOBASE, China
22. KIROV, Russia
23. GAO RFID Inc, Canada
24. CARMANAH Technology Corporation, Canada

Some of our recent projects (in the transportation and rail business) include:

- Supply, installation and commissioning of several dynamic weighing and flat wheel detection systems
 - Renovation, upgrading and maintenance of railway track recording car
 - Supply of steel sleepers to national railway
 - Installation and training of thermite welds in urban railway and metro
 - Tag and readers' total solution for rail vehicles
 - Supply of elastic rail w-clips to railway
 - Installation of bus chassis cleaning unit in bus terminal
 - Consultation, engineering, procurement and erection of railway electrification
 - Performing Ultrasonic testing on railway track
 - Supply of snow blowers and rail cranes for the IRW
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