

Sectors



▲ Engineering & Environmental services for Palmade - Burbank section of California High Speed Line (USA)



▲ Railway link between Dar es Salaam and Morogoro (Tanzania)



▲ Doha Metro Depot (Qatar)



Rail

High Speed Rail

- HS2 phase one Engineering Delivery Partner. London - Birmingham section (UK)
- HSR Spanish Eastern Corridor (Spain)
- HSR Spain - France: Madrid - Zaragoza - Barcelona - French border (Spain - France)
- International High Speed Line Figueres - Perpignan (Spain - France)
- Engineering & Environmental services for Palmade - Burbank section of California High Speed Line (USA)
- California High Speed Line Construction Packages 2, 3 & 4 (USA)

Rail

- Toluca - Valle de Mexico Interurban Train (Mexico)
- Moroccan Railways Northern Lines (Morocco)
- Algerian 'Saida - Moulay Slissen' Railway Corridor (Algiers)
- Railway link between Dar es Salaam and Morogoro (Tanzania)
- Morogoro-Makutupora Railway (Tanzania)
- Etihad Railway Packages 2B, 2D and 2F1 (UAE)
- North-South Rail Embankment Repair (KSA)
- Dammam-Riyadh Rail Siding Lines & Pt1 Signalling Design (KSA)

Depots

High Speed:

- HSR Egypt Main Depot and Control Center (Egypt)
- HS2 Washwood Heath Depot (UK)

Rail:

- Intercity Train Mexico-Toluca Depots (Mexico)
- Tren Maya (Mexico)

Metro :

- Doha Metro. Depot and Stabling Yard (Qatar)
- Guadalajara Metro Line 3 (Mexico)
- Depots and Workshop for Metro Lines 4, 5 and 6. Riyadh (KSA)



Urban Transport



▲ Doha Metro Red Line South (Qatar)



▲ Abu Dhabi LRT Study (UAE)



▲ Barcelona e-bus infrastructure (Spain).

Metro

- Barcelona Metro Line 9 (Spain)
- Scarborough Metro Line 2 Extension (Toronto, Canada)
- Guadalajara Metro Line 3 (Mexico)
- Panama Metro Lines 1 & 3 (Panama)
- Doha Metro Red Line North, Red Line South & Green Line (Qatar)
- Cairo Monorail New Capital City & 6th October Lines (Egypt)

LRT/Tram

- Porto LRT network (Portugal)
- Finch West LRT (Toronto, Canada)
- Purple Line LRT Maryland (USA)
- Oran Tramway (Algeria)
- Lusail LRT network (Qatar)
- Kaohsiung LRT (Taiwan)
- Edinburgh Tram. York Place-Newhaven

Bus

- Barcelona e-bus infrastructure (Spain)
- BRT Santa Maria-Gama-Pilot Plan (Brasilia, Brazil)
- Chalco-Santa Marta Trolleybus (Mexico)
- BRT Asuncion (Paraguay)

Bridges & Viaducts

- Cairo Monorail (Egypt)
- "Contreras" arch viaduct over Contreras Reservoir (Spain)
- High Speed Line: Spanish Eastern Corridor, Section Valencia-Puzol, "Carraixet" viaduct (Spain)
- Toluca viaduct (Mexico)
- Minglanilla - Villargordo del Cabriel HSL Madrid - Valencia (Spain)
- HSR Orense - Santiago Arenteiro viaduct (Spain)
- Doha Metro Red Line Major Elevated Civil Works (Qatar)

▲ H.S.L Madrid-Valencia (Spain)



▲ Port Said Tunnels (Egypt)

Tunnels

- Engineering & Environmental services for Palmade - Burbank section of California High Speed Line (USA)
- Panama Metro Line (Panama)
- Barcelona Metro Line 9 (Spain)
- HSL Figueres - Perpignan Perthus Tunnel (Spain - France)
- Port Said Tunnels (Egypt)

Stations & Architecture

- Los Angeles Union Station Master Plan (USA)
- Madrid Intermodal 'Sol' Station (Spain)
- Barcelona 'La Sagrera' Intermodal Station (Spain)
- Valencia Central Station (Spain)
- Doha Metro Elevated Stations Architectural Finishes (Qatar)

▲ HSR Rosa de Lima Station in Burgos (Spain) ▲



Rail Systems

Systems Design

- Santiago de Chile Metro Line 1 (Chile)
- Toluca - Valle de Mexico Passenger Train (Mexico)
- California HSR verification and validation (USA)
- HS2 Engineering Delivery Partner (UK)
- Barcelona Metro Line 9 (Spain)

Systems Integration

- Panama Metro Line 3 - Monorail (Panama)
- California High Speed Rail (USA)
- Cairo Monorails (Egypt)
- Finch LRT Systems & Track (Canada)

Systems Assurance and RAMS

- Edinburgh Tram - York Place to Newhaven (UK)
- Interurban Railway Mexico DF - Toluca (Mexico)
- Etihad Rail Packages 2B and 2D (UAE)
- Green & Purple Line Project Tel Aviv LRT (Israel)
- Cairo Monorail (Egypt)

Independent Safety Evaluations

- AsBO for Adif High Speed Rail Projects (Spain)
- ISA Services for Ottawa LRTs (Canada)
- ISA for Lisbon Metro (Portugal)
- IV&V Edmonton Valley Line West LRT (Canada)

Innovation

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- RESPIRA@: an artificial intelligence system for the optimization of ventilation and HVAC management.
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- BlockSAT: System for the signaling and management of railway traffic.
- 'Aerotraviesa': Aerodynamic sleeper for HSL to diminish flying ballast.
- Cross wind protection system for High Speed Railway Lines.
- UIC Handbooks for High Speed Lines.
- System for the synchromodal planning of maritime ports, railway and road operations.
- Depot 10.0: Depots for the future.
- Station 2040: Future stations.
- Intelligent projected signage solution for driving in foggy areas.
- Road and tunnel facility management system.



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