Capability Statements

Q: Quality
A: Availability
R: Reliability
S: Safety

Our Mission

- To support in Safety Management System and its Implementation
- To improve system safety performance and reduce hazard to As Low As Reasonably Practicable (ALARP)
- To improve system availability and maintainability
- To support compliance with electromagnetic regulation and enhance system compatibility
- To improve system integrity for software development and integration
- To help our customers to achieve their goals, with professional people

Overview

We provide professional consultancy services which include:

- System Safety Management
- Electromagnetic Compatibility Management & Testing
- Project Management
- Tender Evaluation
- Requirement Traceability
- Independent Process Improvement Management & Auditing
- Independent Safety Assessor
- Safety and Health Management, Training & Auditing
- Quality Assurance & Auditing
- Software Quality Management
- Operation and Maintenance Manual
- Maintenance Optimisation

Projects at a Glance

Followed by the merger of the operations of the MTR Corporation and Kowloon-Canton Railway Corporation, the railway network in Hong Kong constitutes a main part of local transport system. We has been involved in recent major railway lines, they are:

West Rail, Ma On Shan Extension, Lok Ma Chau Spur Line, Kowloon Southern Link, Lantau and Airport Railway Extension, Disneyland Resort Line, Tseung Kwan O Extension, etc.

Hong Kong

The Taiwan High Speed Rail (THSR) is Taiwan's high-speed rail network, running approximately 335.50 kilometers from Taipei City to Kaohsiung City, which began operations on January 5, 2007. The total cost of the project is currently estimated to be US$15 billion, and is one of the largest privately funded transport schemes to date. Express trains are capable of travelling at up to 300 km/h which travelling from Taipei City to Kaohsiung City in roughly 90 minutes as opposed to 4-6 hours by conventional rail.

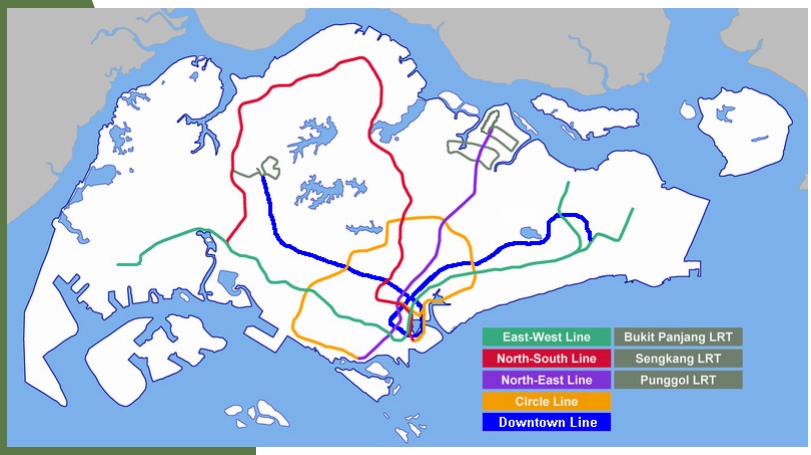
***We** are now the common System Safety Consultant for THSR Stations and Depots projects.*

Taiwan

Projects at a Glance

Costing $6.7 billion, the Singapore Circle Line (CCL) will be a fully underground orbital line linking all radial lines leading to the city. The line will interchange with the North-South Line, East-West Line and North East Line.

The CCL will be 33.3 km long with 29 stations. Starting from the Dhoby Ghaut station, it will run through some of the busiest corridors in the city and end at Harbour Front station on the North East Line. The project will be implemented in five stages and is targeted for opening from 2010.



Our Company *is the System Safety / EMC representative of a lot of CCL contractors.*

Singapore

The Metro System will include 55 stations, 18 km of tunnels, 51 km of viaduct, one major train depot and maintenance facilities site and several auxiliary stabling facilities. The total fleet size will be slightly in excess of 100 trains. Each train will be approximately 75m long, consisting of 5 cars, with numerous double doors allowing fast and smooth flows of passengers in station. Investment costs for the full Dubai Metro System are assessed at a grand total of about 14.3 billion AED, including civil works, stations, system fixed equipment, trains, engineering and financing.

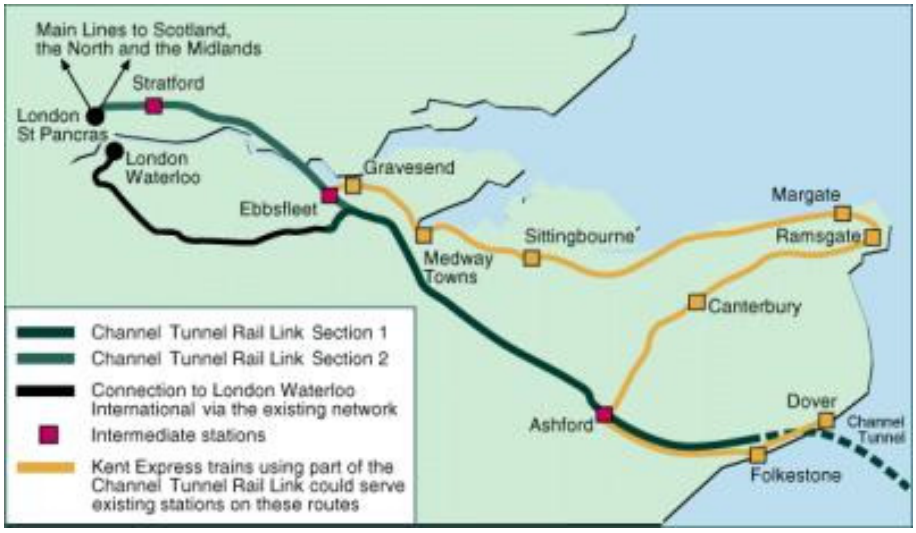
Our Company *assists the Contractor in all System Safety issues (including FMECA, RBD Modelling, Hazard Management, etc) related to the Power Supply System.*

Dubai

Projects at a Glance

UK Government approval was granted in 1996 for the two sections of the 69-mile (108km) High Speed 1 [formerly known as the Channel Tunnel Rail Link (CTRL)]. The opening date of the first phase, 43km, was 28 September 2003, with the rest four years afterwards. Speeds of up to 186mph (300km/hr) make the journey time from London's St. Pancras International station to Paris, Lille and Brussels up to 20 minutes quicker (fastest journey times of 1hr 40min to Lille, 2hr 20min to Brussels and 2hr 35min to Paris).

***Our Company Consultant** is the System Safety Manager / EMC Manager of the High Speed 1 Section 1 and Section 2.*



UK - High Speed 1

Projects Involvement

- Hong Kong Kowloon-Canton Railway (East Rail Extension, West Rail, Ma On Shan Extension, Lok Ma Chau Spur Line, Kowloon Southern Link)
- Hong Kong Mass Transit Railway (Lantau Airport Line, Tseung Kwan O Extension, Disneyland Resort Line)
- Taiwan High Speed Rail
- Singapore Land Transport Authority (Changi Airport Extension, North East Line, Circle Line)
- Malaysia Monorail
- Dubai Light Rail Transit
- UK Channel Tunnel Rail Link
- UK Transport for London
- UK Shell Expro

EMC Overview

QARS is acknowledged specialists in EMC on-site testing. Tests are carried out on-site by a team of specialist using sophisticated measurement system, to investigate and identify interference problems and provide cost effective solutions for compliance. The team of specialist has experience of numerous Government and Commercial projects in Hong Kong, Singapore and UK.

EMC Testing in Singapore Hospital

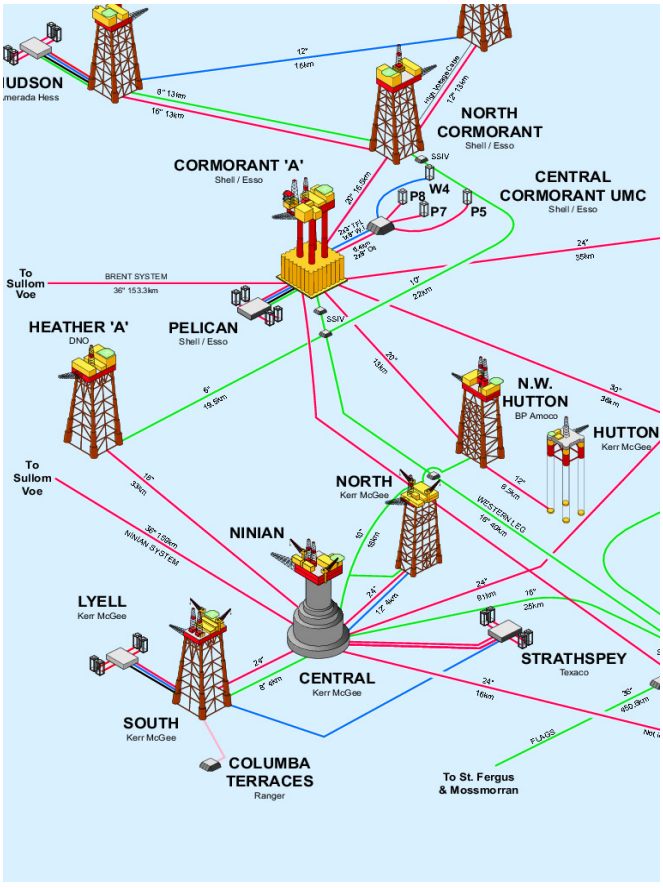
EMC Testing in Railway Station (EMU)

EMC Testing for Tunnel Ventilation Fan

EMC Testing in Communication Room

Oil & Gas Overview

Shell U.K. Exploration and Production (Shell Expro), operator in the U.K. sector of the North Sea on behalf of Shell, Esso and co-venturers, are delighted to announce that first oil began to flow in 2003 from the Penguin fields in the northern North Sea, some 150km north-east of the Shetland Islands, via the Brent System to the Sullom Voe terminal. Approximately 10% of the UK's gas over the were be supplied by the nine installations within the new business unit, Brent Alpha, Bravo, Charlie and Delta from the former Brent Business Unit and North Cormorant, Cormorant Alpha, Eider, Tern and Dunlin from the Northern Business Unit.



We are the consultant who involves in review and updated the Safety Case for HSE approval.

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