

The Metrail Monorail for City of Arabia, The Heart of Dubailand.

Dubai – 14th September 2008

The **Ilyas and Mustafa Galadari Group** is proud to announce that they have awarded the monorail contract for City of Arabia, Dubailand, Dubai, UAE to Metrail AG of Switzerland. The Metrail system was chosen because it not only has lower capital costs, but also the recurring operational costs are about 10% of those offered by the five other well established multinational bidders.

"We awarded the AED 450 million contract to Metrail because of our commitment to provide a safe, efficient and environmentally sustainable transportation system. It made the difference between a viable public transport system and a subsidised one."

S. M. Syed Khalil

GROUP EXECUTIVE DIRECTOR, CITY OF ARABIA

"From the outset, we looked for a transportation system that would complement our project. The Metrail monorail requires no electrical infrastructure and its light weight allows for imaginative station and guideway designs. Metrail's unique and advanced 'green' technology will add to the Galadari Group's commitment to the environment."

Bill Muir

SENIOR VICE PRESIDENT - PROJECT MANAGEMENT, CITY OF ARABIA

"Metrail is delighted to have been selected by City of Arabia to supply its innovative hybrid monorail system to this prestigious project. Our monorail technology has evolved from over twenty years of electric and hybrid electric research and development."

"Metrail is confident that the success of the City of Arabia project will unlock the considerable potential for other Metrail monorail mass transit projects to be carried out not only in the UAE but also in the rest of the world."

Bill Armstrong

CHIEF OPERATING OFFICER, METRAIL

The Metrail monorail system perfectly complements the innovative concepts and futuristic theme of City of Arabia. The rolling stock and systems are being developed in conjunction with Metrail's technical partner, the Frazer-Nash Group of the UK, whilst the world famous Giugiaro Design of Italy will provide styling and engineering services for the rolling stock based on the innovative and revolutionary bogie design and powertrain technology of Metrail / Frazer-Nash.

The design and consultancy of the civil & infrastructure works will be provided by Sundaram Architects of India, whose principal, Mr. R. Sundaram is the current President of the Structural Engineers World Congress. Safety and verification services will be provided by Scandpower of Norway.

The network will consist of about 6km of dual guideway with eleven stations and six 2-car trains. The first section of the alignment is planned to be operational in twelve to eighteen months.

City of Arabia is a 20 million square feet US\$5 billion retail, residential, commercial and entertainment development in Dubailand.

Its signature elements are the Mall of Arabia, one of the world's largest malls; Restless Planet - a US\$300 million theme park, an earth science museum and planetarium; Wadi Walk, a water front community with stylish apartments, outdoors cafes and attractive retail outlets; Elite Towers, a group of 34 impressive commercial and residential buildings and the Metrail monorail, which will transport residents and visitors around the development.

On completion, City of Arabia will have over 32,800 residents and a catchment area of about 1.9 million people.

DUBAILAND™ is the world's most ambitious tourism, leisure and entertainment development occupying over 3 billion square feet. It includes world class theme parks, culture, art and science venues, planetariums, sports facilities, sports academies, wellbeing & health centres, shopping & retail outlets and resorts & hotels.



City of Arabia
THE HEART OF DUBAILAND



The Metrail Hybrid Monorail.

The Metrail monorail features a unique low voltage, regenerative and multi-wheel drive system and does not require the usual high voltage infrastructure as it generates its own on-board power through its auxiliary power unit (APU). Metrail can operate in a zero-emission and near-silent mode when required.

It uses proprietary control and traction technology and the latest in signaling and information systems. The environmental credentials of the Metrail monorail system are second to none whilst safety features (including an advanced evacuation system) are amongst the best in the world.

The Metrail rolling stock for City of Arabia will feature flat-floor, walk-through 2-car trains with climate control. It will have full disabled access based on the latest International Standards.

The self steering and individually powered 6-wheel bogies with fully independent suspension and pneumatic tyres provide constant ride height and comfort. Its drive system, featuring Frazer-Nash permanent magnet brushless motors, allows the Metrail monorail to climb a 15% gradient and can turn within a 20-metre radius giving the ultimate routing flexibility.

On-board auxiliary power generation comes from highly efficient engine/generator combinations whilst advanced batteries and Frazer-Nash battery management system ensures long life with optimum performance and efficiency.

State of the art control, safety and information systems will provide safe and reliable operation of the Metrail monorail for City of Arabia.

Links

City of Arabia	www.cityofarabiame.com
Dubailand	www.dubailand.ae
Metrail	www.metrail.com
Frazer-Nash	www.frazer-nash.com
Scandpower	www.scandpower.com
Sundaram	www.sundaramarchitects.com

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City of Arabia

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