



Alfred Assil Anis Rizk

- **Menarail's General Manager and is in charge of day-to-day operations of the company and overlooks its engineering consulting services.**
- **I am an active member of various organizations and associations, and holds several key positions and has been Chairman of the Transport Committee of the American Chamber of Commerce for over five years, an active member of the UITP (International Association of Public Transport) and former Vice President of Programs at Project Management Institute (PMI).**
- **I received my Bachelor of Arts in Economics from American University in Cairo in 1989.**



In November 1997 a protocol of co-operation between the Ministry of Transport in The Netherlands and the Ministry of Transport in The Arab Republic of Egypt has been signed by the two Ministers. As a result of this signing a joint venture Menarail was established to design, study, operate and manage all aspects of Transport projects - from their preparation to their execution and to follow opportunities, not only in Egypt, but also in other countries in the Middle East and North – Africa.

MENARAIL

**Core business:
Heavy Rail Track Development**



**Supervision of Execution of 200
Km Track Renewal
Cairo – Aswan (World Bank Loan)**

In cooperation with



Consultancy Service for Execution of 200 Km Track Renewal Cairo – Aswan (World Bank Grant)

- Preparing Tender documents
- Preparing invitation for Prequalification Documents
- Assisting ENR in prequalification of Bidders
- Assisting ENR in preparation of bidders conference
- Assisting ENR in the Evaluation of bids and contract award and finalization



In cooperation with

Transurb *Technirail*

MENARAIL

Core business:
LRT Development



UPGRADING THE Light Rail System Ramleh Line "TRAM NETWORK" IN ALEXANDRIA

- Feasibility Study
- Financial Model
- Preliminary Design
- Upgrading Workshops



In cooperation with

HTM

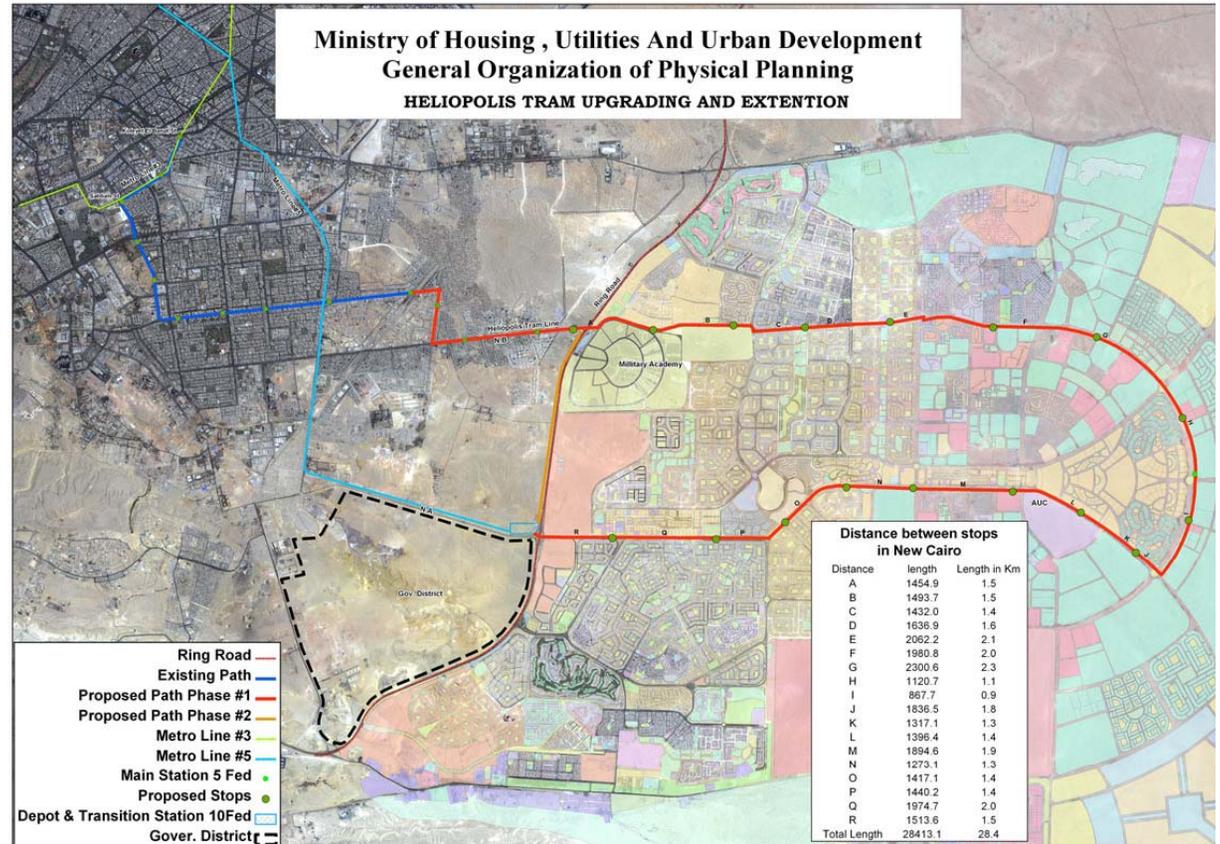
MENARAIL

Core business: LRT Development



Consulting services for
preparation of preliminary
engineering design
and bid documents
Heliopolis Tram
Upgrading and extension.

In cooperation with



HTM

MENARAIL

Core business:
Design and Construct



Design and Construct New crossing using Embedded Rail Technology

- Noise and Vibration Reduction



In cooperation with

edilon)(sedra

Example of renewed crosses:

- Ibrahim Mosque – Alex.
- Hassan Rasem – Alex.
- Janakles – Alex.
- Kasr El Safa – Alex.
- Baghdad – Alex.
- Ibrahim El Lakany . Cairo



In cooperation with

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MENARAIL

Core business: Connecting Cities



- **Feasibility study for Ain Shams 10th of Ramadan LRS**
- **Feasibility Study for Alexandria Borg El Arab LRS**

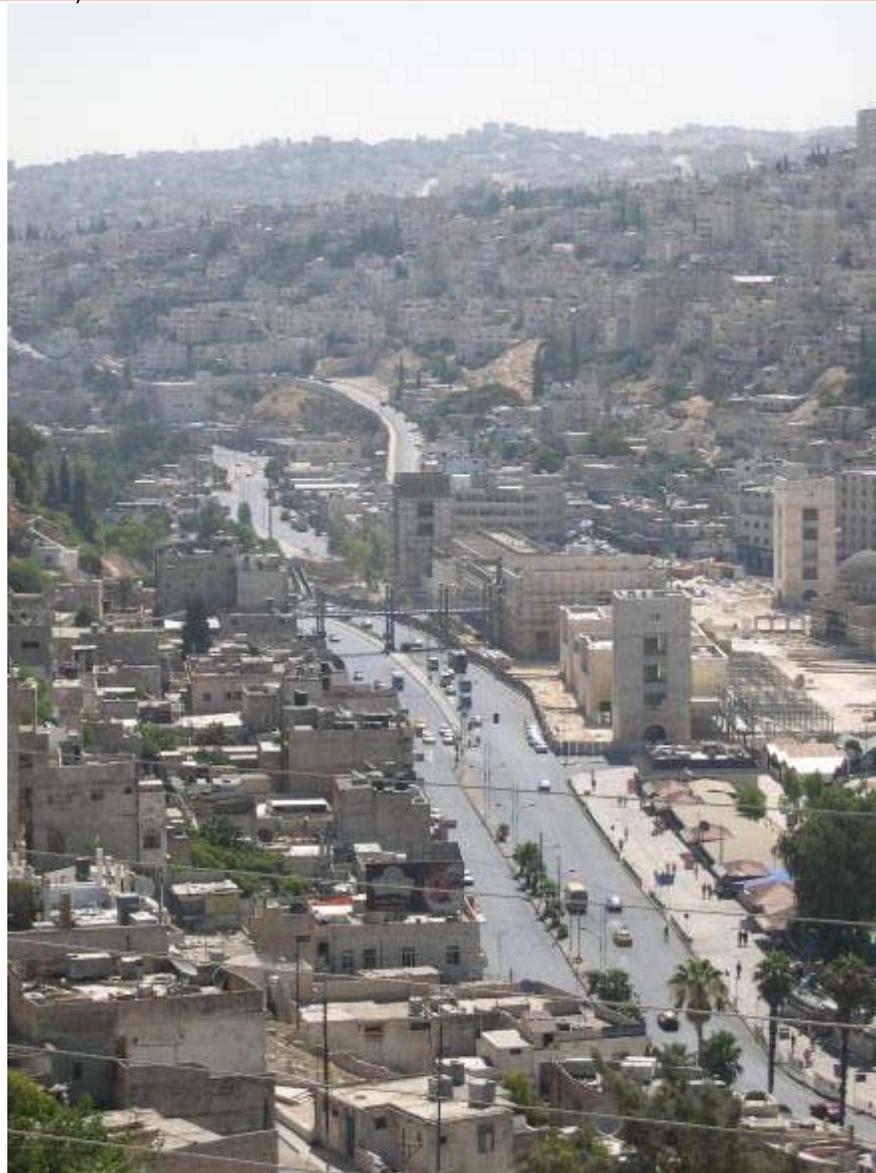


In cooperation with

The logo for HTM consists of the letters "HTM" in a bold, black, sans-serif font. A thick red horizontal line is positioned above the letters, and another thick red horizontal line is positioned below the letters. A thin vertical red line is located to the right of the letters.

MENARAIL

***Regional Aman
Zaraka - Jordan***

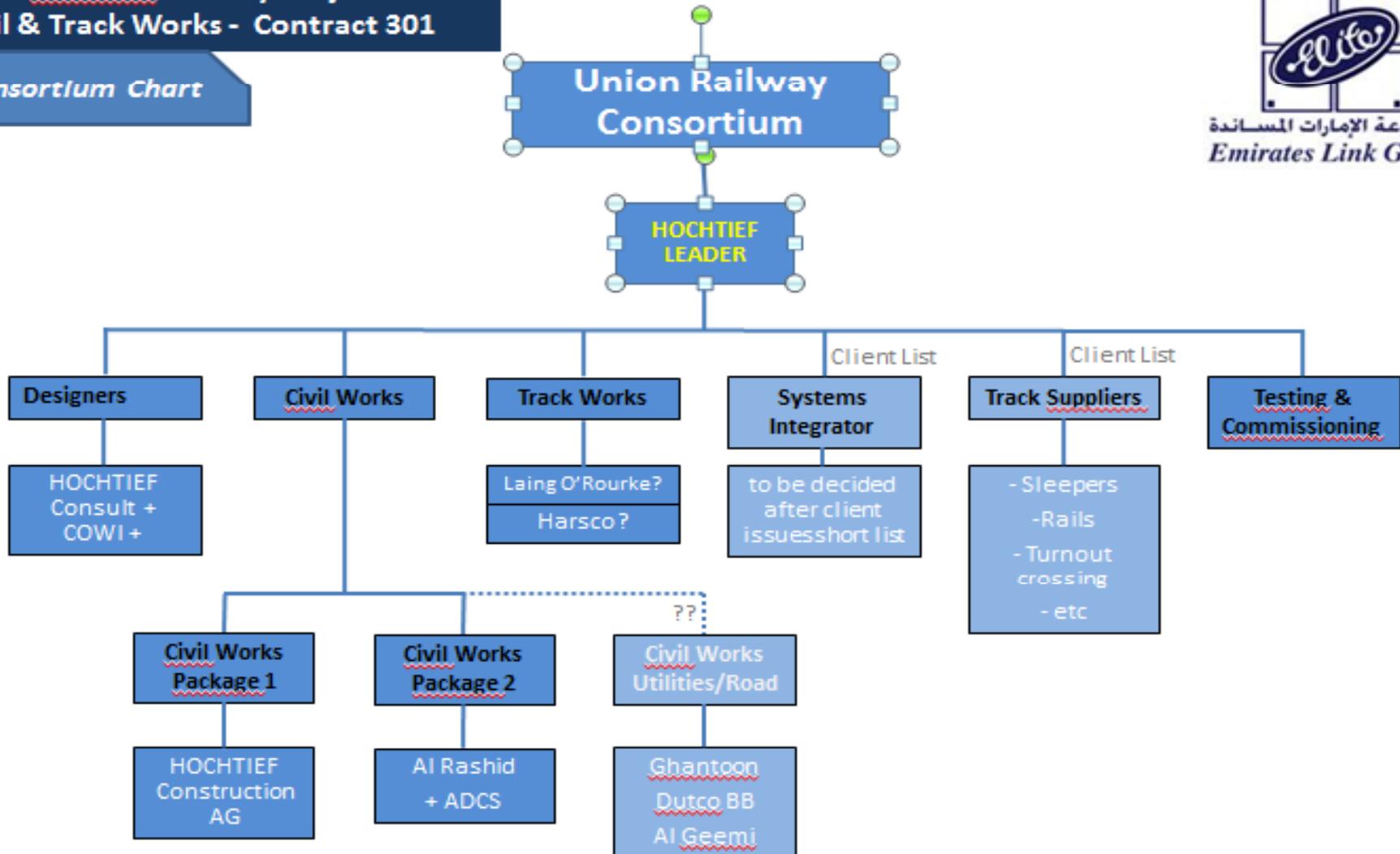


- A Railway is a linear site
- The length is 264km. The width of the limits of deviation varies from 25m to 200m.
- The Ruwais Branch is 9km long from the coast crossing the E11 highway and the Ruwais highway bypass to join the Al Gharbia Mainline.
- The Al Gharbia Mainline is located adjacent to the E11 Highway varying in offset from 2km near Ruwais to 500m near Tarif. The
- main line section is 110km long.
- The Shah Branch is 144km long from the Al Gharbia Mainline near Tarif through Madinat Zayed and Mezaira'a to the Shah gas field.



Shah Habshan Railway Project Civil & Track Works - Contract 301

Consortium Chart



MENARAIL

**Improving the transit services
in Greater Cairo**



Opportunities in Egypt Transport Sector





2006	16 million people
2020	20 million people
2050	30 million people

The region includes: 22% of the total Egyptian population

43% of total urban population



**Greater Cairo target in 2050
15 lines – 600 km- 20 million
people
It will be implemented gradually
until 2022 .**

Todd Milton 2007



**JICA is currently
preparing A
Transportation Master
Plan for Egypt**

- **Line 1 (Helwan - El Marg)**
- **Operating since 1987 and it was fully completed in 1989**
- **Line 2 (Shobra El Kheima - El Mounib)**
- **Operating since mid-1990s was finished in October 2000**
- **Line 3 (Imbaba / Mohandiseen - Cairo Int'l Airport)**
- **Under construction**
- **Line 4 (October-Oasis Highway - Mubarak Police Academy)**
- **Under planning**

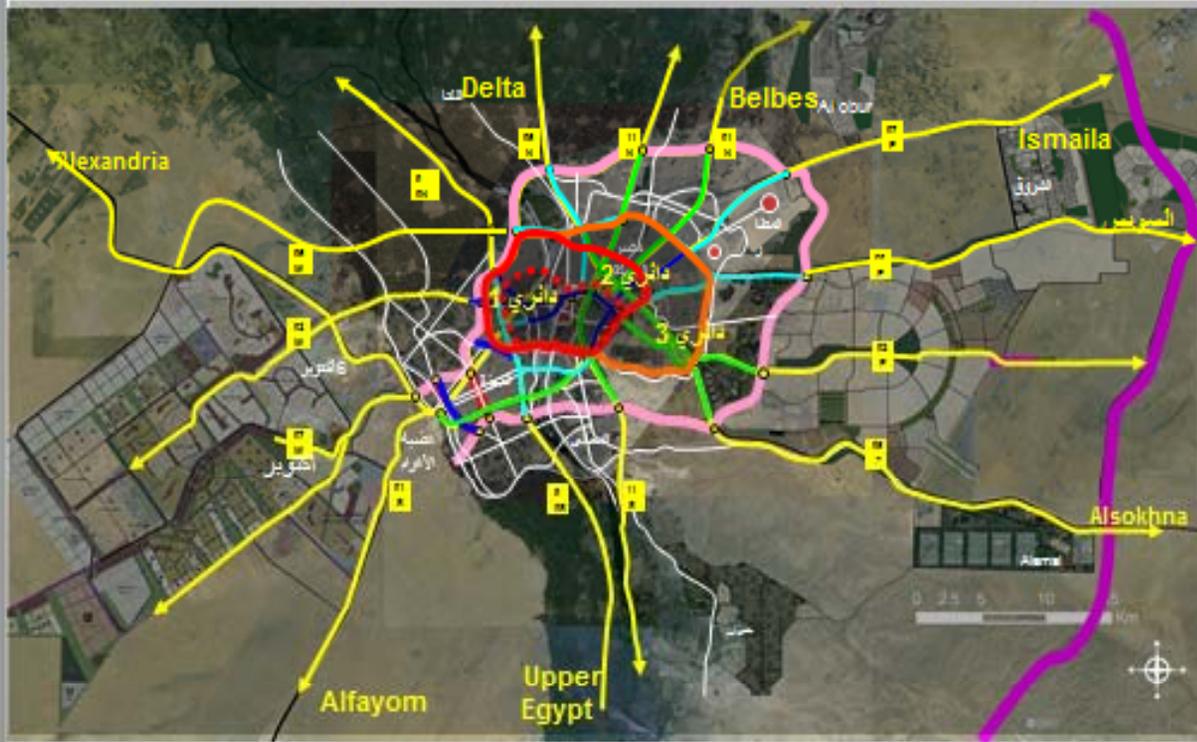


Cairo Metro Projects:

- Upgrading Line 1
- Upgrading and technical assistance to Line 2 workshops
- Technical assistance to Cairo Metro for Central Control



Roads and transportation – developing express corridors to facilitate transit



- Current express roads , 36 km —
- Regional ring road ,250 km —
- Existing urban ring road no 1 ,120 km —
- Ring road no 2 ,2020 , 25 km - - - -
- Ring road no 3 ,2020 , 34 km —
- Ring road no 4 ,2020 , 48 km —
- Required express roads before 2020 , 80 km —
- Required express roads before 2030 , 90 km —
- Required entrances of the regional roads before 2015, 150 km —

The current, on going and planned ring and express roads length is 156 km

The length of the ring and express roads before 2020 is 100 km

The length of the ring and express roads before 2030 is 105 km

The length of on going regional express roads is 250 km

It is demanded to develop the regional exits of 15 roads with the length of 155 km

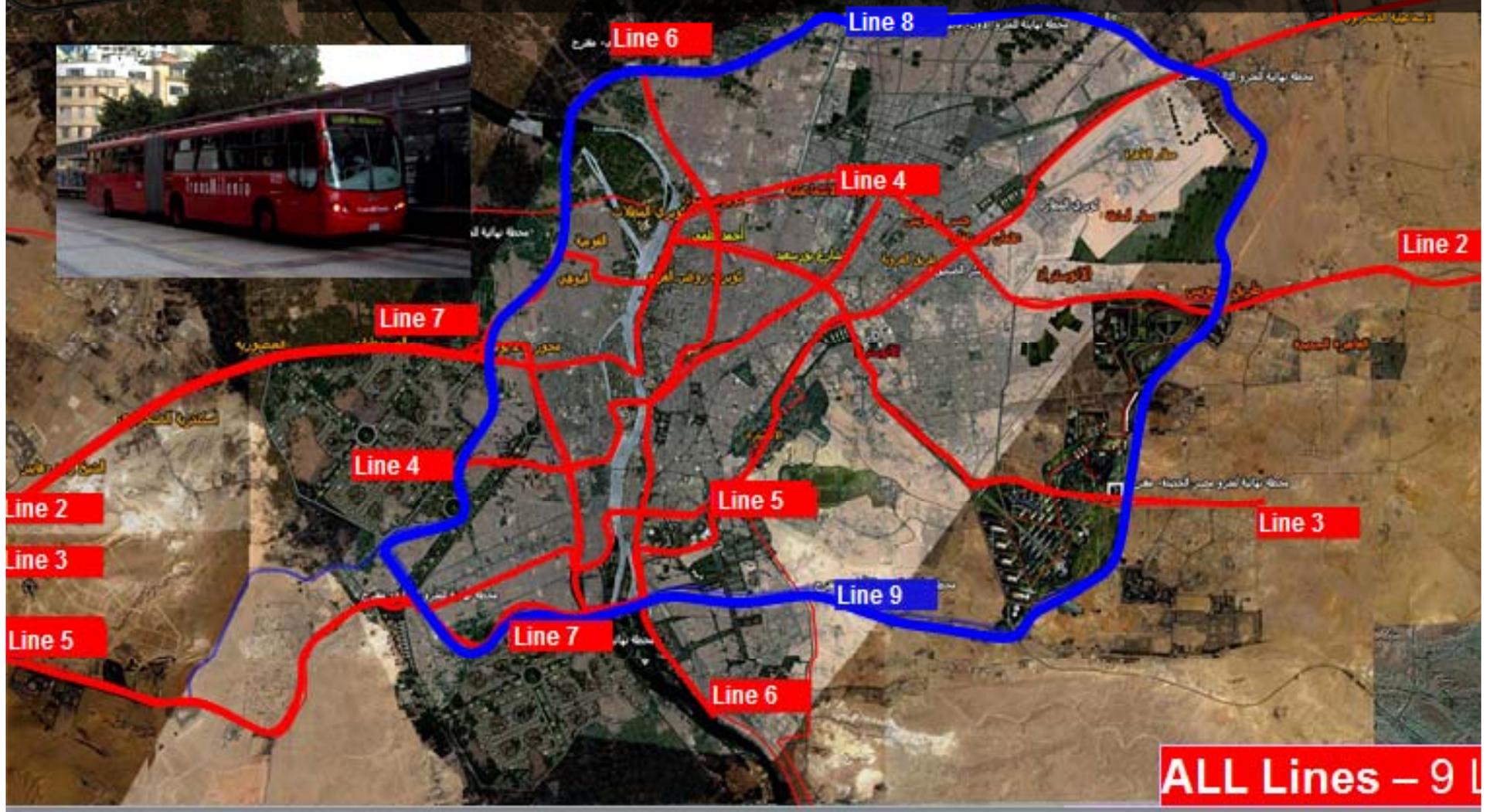
مشروع تطوير النقل الجماعي - القاهرة الكبرى
Greater Cairo Transit systems



The main stations of the articulated bus in the main and express roads

مشروع تطوير النقل الجماعي - القاهرة الكبرى
Greater Cairo Transit systems

Articulated bus network linked with Cairo roads and corridors before 2020

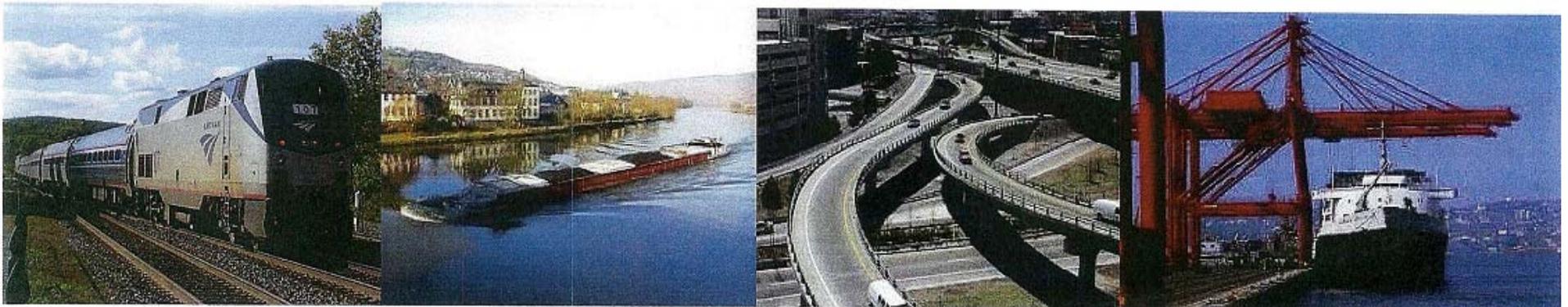


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Projects & Investment

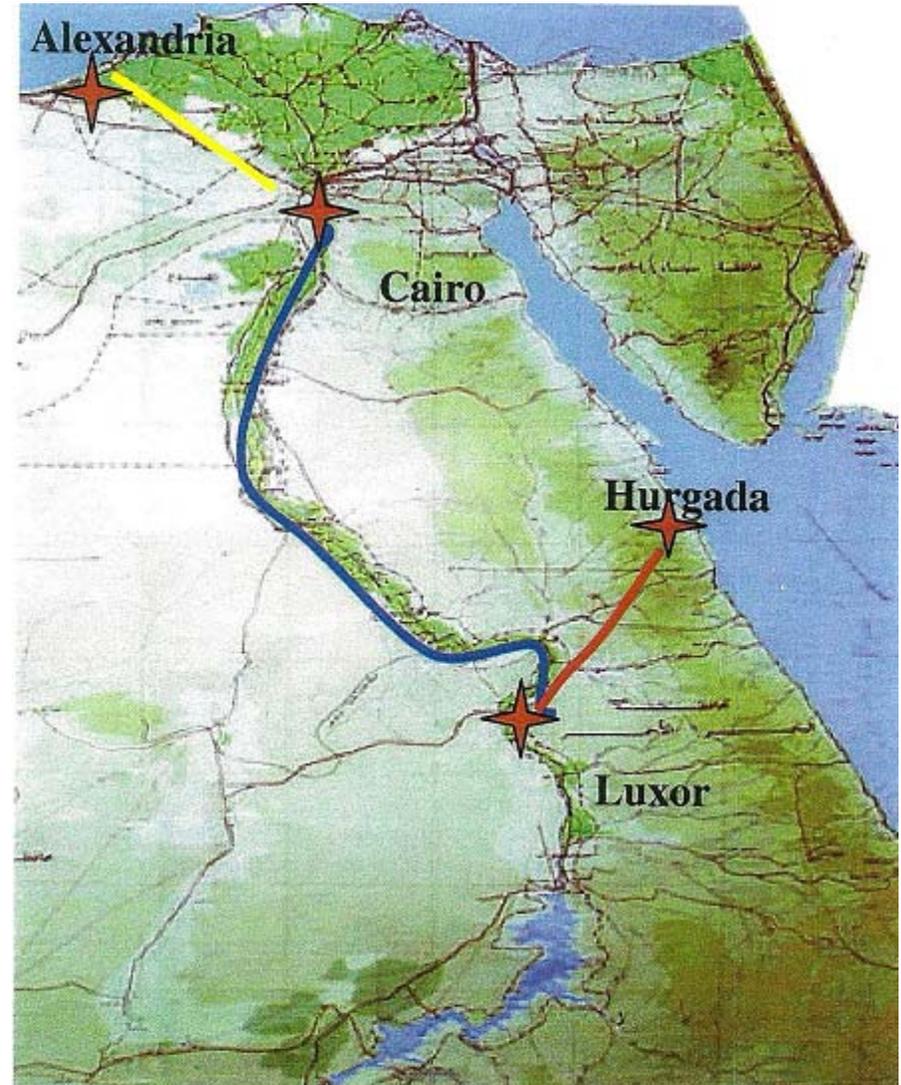


Projects and Investment Opportunities



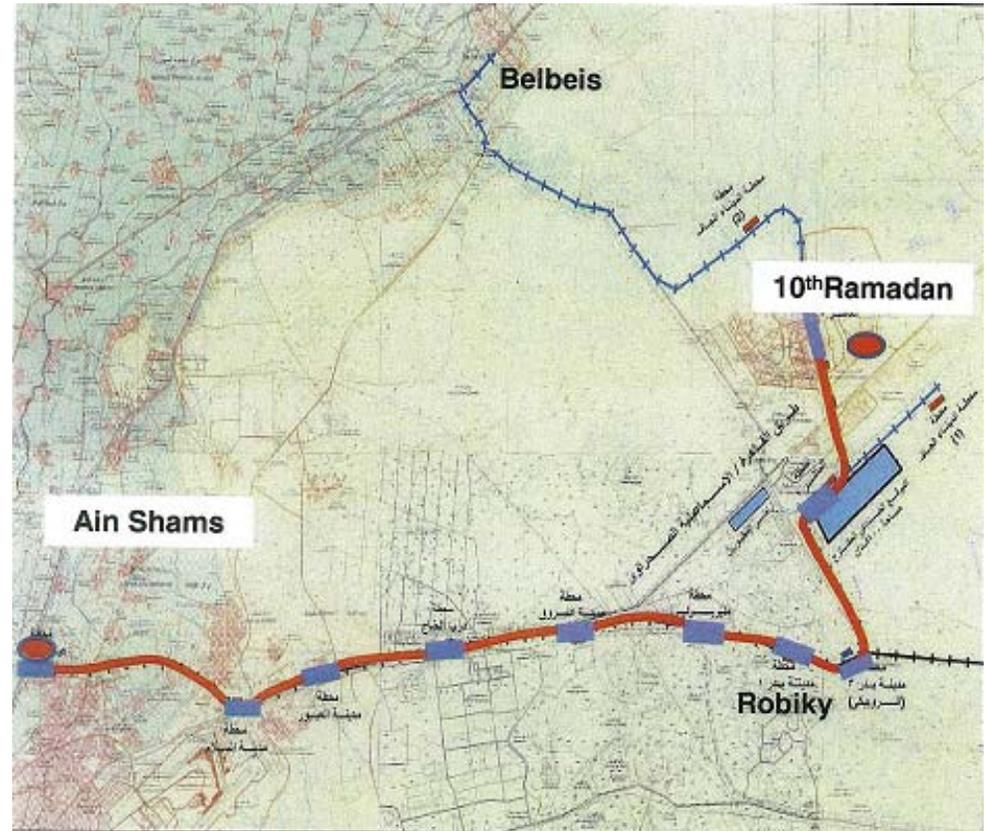
High Speed Train

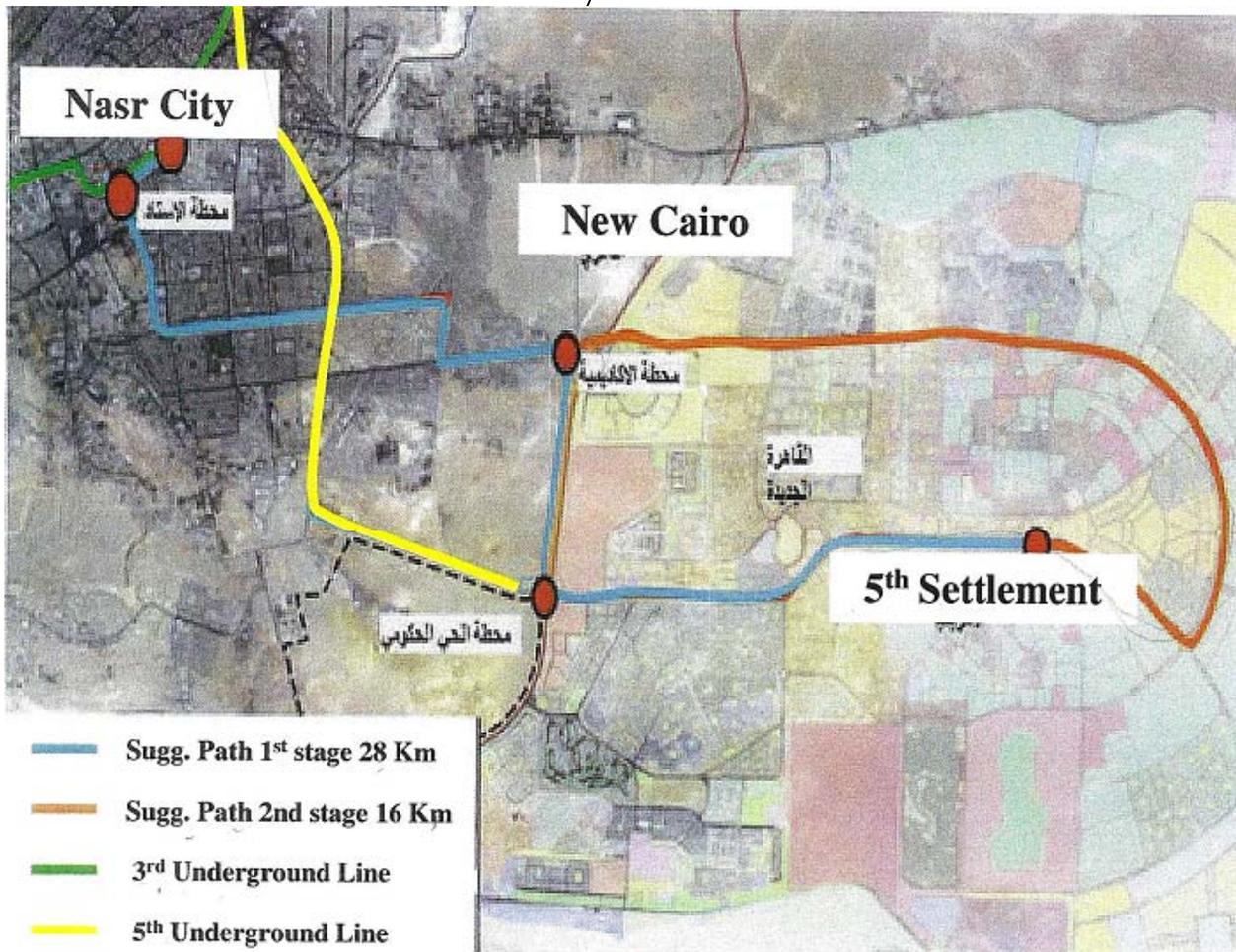
- 3 lines
- Cairo / Alex
- Cairo / Luxor
- Luxor / Hurgada
- Length of 1210 km
- Speed limit 300km/hr
- Expected costs :Euro 13 billion
- Prefeasibility study made be Italfair.



Ain Shams – 10th of Ramadan Railway

- CAPEX of Euro 934 million
- Preliminary study was prepared by Menarail 2002 and updated by Mott MacDonaled 2010





- Under study by Menarail/ HTM
- CAPEX: Euro 275 million
 - Expected daily passengers : 320.000

Nasr City – New Cairo City

New Rolling Stock fleet



New Rolling Stock fleet

About the Project:

- Egyptian National Railway is in the process of expanding its fleet of Rolling Stock.

- 207 Coaches (Air Conditioned)
- 336 Coaches (Not Air-Conditioned)
- 10 VIP Coaches
- 30 Sleeping Coaches
- 6 Cranes 120 Tons load
- Procurement Mechanism : Public Tender
- Project instrument : Direct finance / Lease

ENR Signaling projects

Arab elramel – Alexandria

- Status 1st stage evaluation of bids
- World bank funding of \$205 milion

Beni Sewef / Asiut

- Under preparation
- Expected costs \$330 million

Introducing ETCS L1

- Under preparation \$180 million



Requirements of Road Sector in Egypt

- 1. New contracts for road Maintenance (e.g Performance Based Contracts) .. Implementation , monitoring , supervising , evaluation ,...etc**
- 2. New Design methods (e.g Mechanistic Empirical design of highways / ME)**
- 3. Road Safety Issues .**
- 4. New construction and Maintenance methods & applications & Equipment .**
- 5. Applying Super Pave .**
- 6. Project supervision, management, quality control, quality Assurance.**

Requirements of Road Sector in Egypt

- 7. Pavement Management Systems, Asset Management Systems, Bridge Management Systems .**
- 8. Establishing, planning for , and managing Road Research centers.**
- 9. Road Crisis Management.**
- 10. Intelligent Transportation Systems (ITS) on roads .**
- 11. Road Evaluation Methods, Techniques, Equipments (e.g. Road Scanners).**
- 12. Preparing Maintenance manuals / guides.**
- 13. Transportation analysis and studies.**
- 14. Public Private Partnership (PPP) projects .**
- 15. Organisation restructuring .**
- 16. Economic Studies in road sector (e.g . engineering value)**

MENARAIL

Thank You

