



الهيئة القومية للأنفاق

NATIONAL AUTHORITY FOR TUNNELS
(NAT)

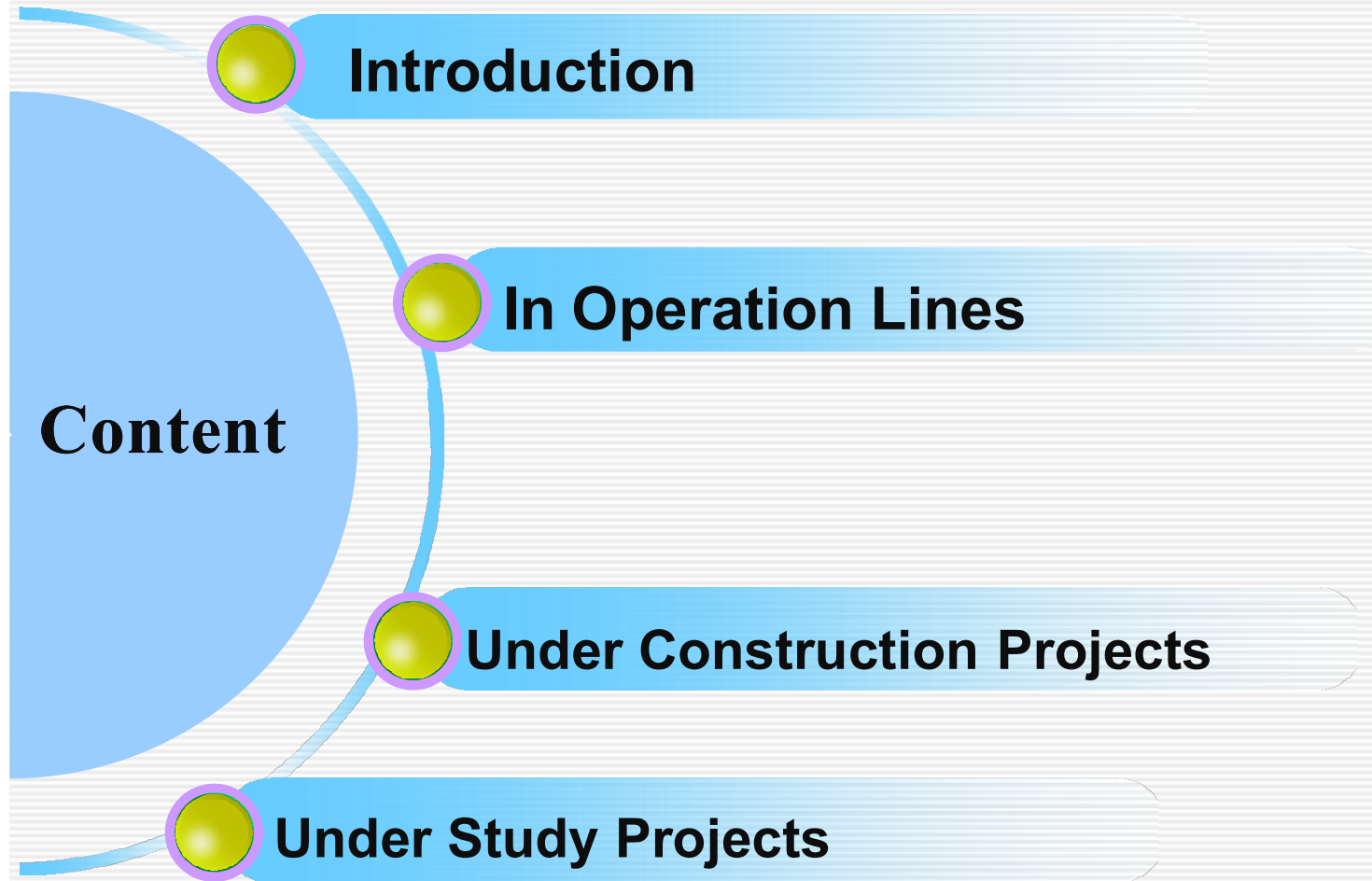


وزارة النقل



NAT Projects





Cairo

Greater Cairo

Giza Gov.

Cairo Gov.

Qaliubia Gov.

Population

Expect **25** million in 2020

Total No. of current transportation trip

25 Million Trip / day

The No. of current transportation trip

Total No. Public Transport trips
2022



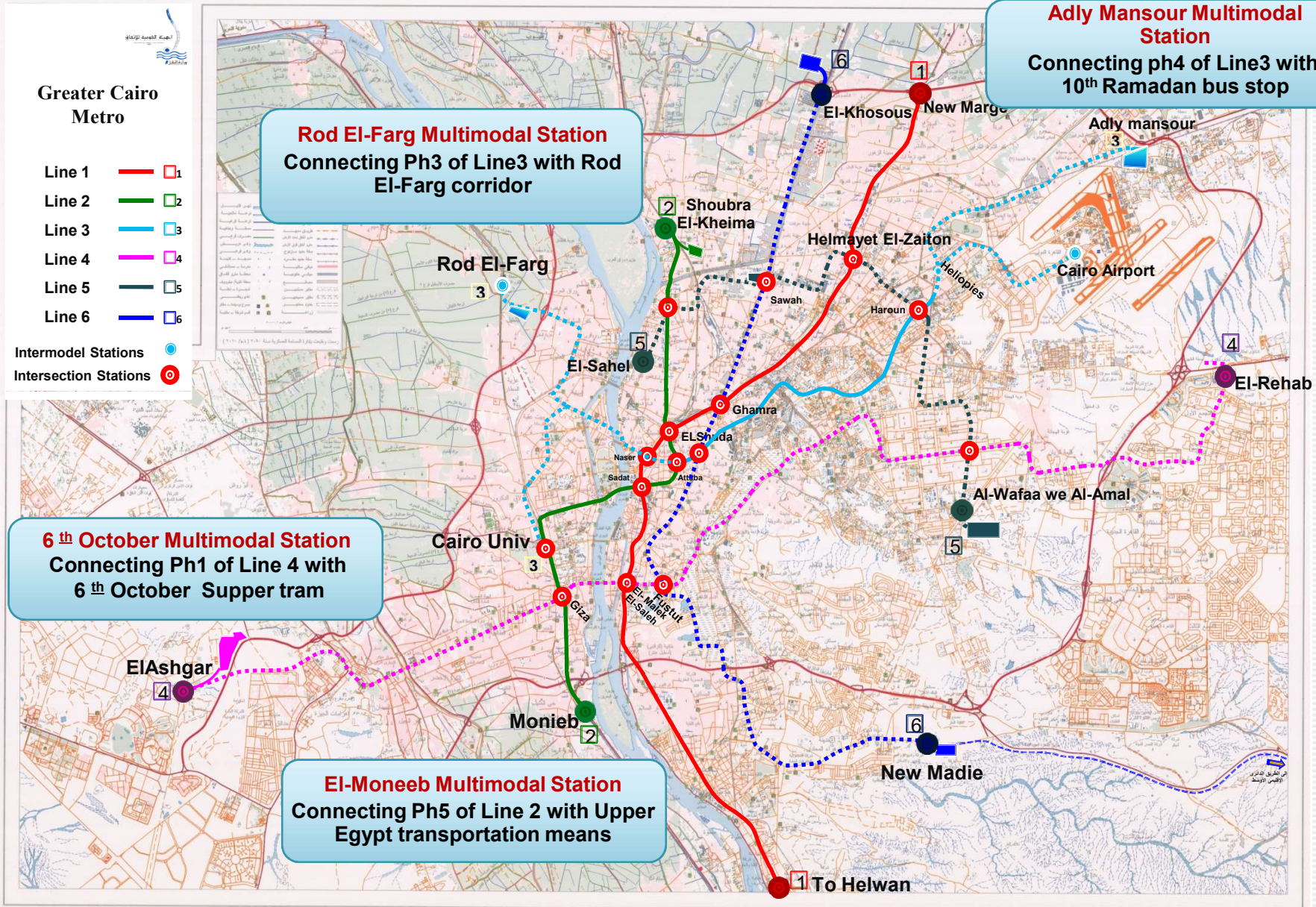
**Metro trips
9 Million trip/day**

**All means of
publictransport
25.7 Million
trip/day**

Total No. Public Transport trips
2016



Greater Cairo Metro lines (until 2030)



LINE 1



Line length: 44 km (4.7 Km Tunnel)

No. of stations: 35 stations (5 underground + 30 On Grad)

Real No. of passengers/day: 1.4 (million p/day)

PHASE 1 (Helwan - Ramses)

- Inauguration 1987

- Length 28km

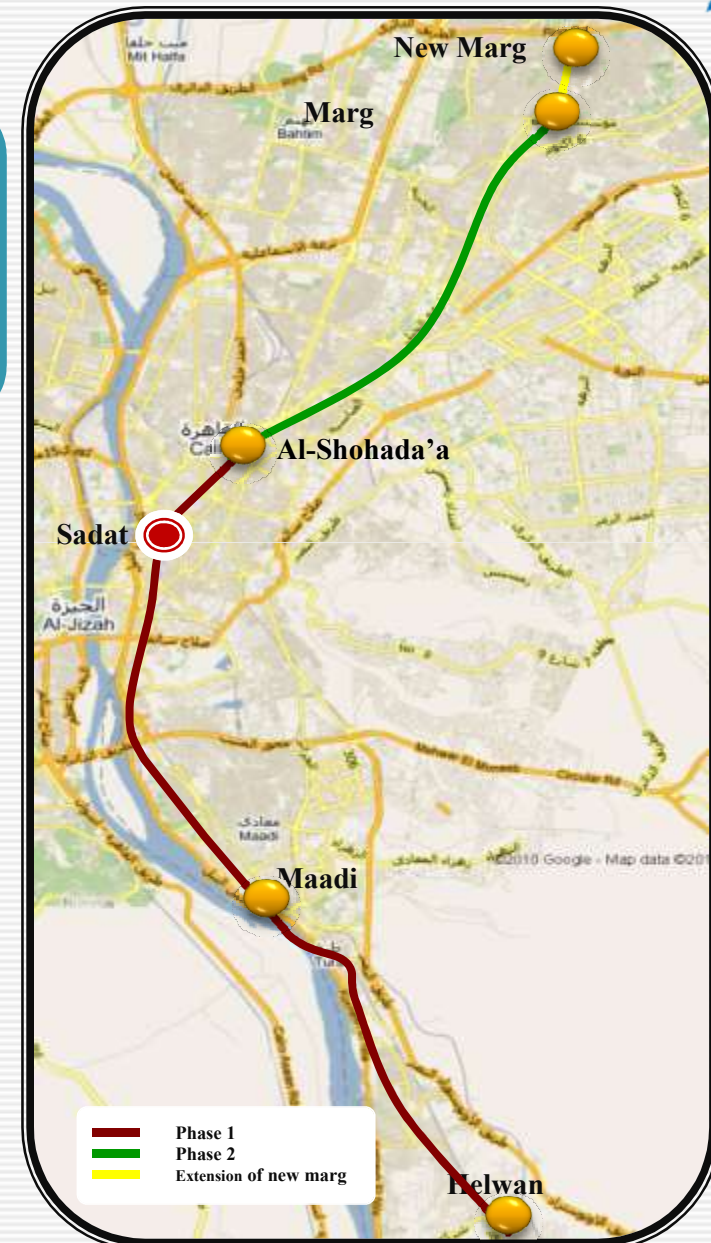
PHASE 2 (Ramses – El marg)

- Inauguration 1989

- length 14.5k m

Extension (Marg - New El marg)

- length 1.3k m



Upgrading of line 1



The aim of the project :

Studies and designs have been completed to UPGRADING line1 improve the headway and the level of passenger service by consulting Systra and it divided into:



Purchase rolling stock units

Rehabilitation rolling stock units



Develop signal system

Development of central control systems

Development of telecommunication systems

Renovation of the railway works

LINE 2



Line length: 21.6 km (13 Km Tunnel)

No. of stations: 20 stations (12 underground + 6 On Grad + 2 Elevated)

Real No. of passengers/day: 1.1 (million p/day)

Cost : 9 (billion EGP)

PHASE 1 (Shubra El-Khiema – Al-Shohada'a station)

- Length 8 km - Inauguration 1996

PHASE 2 (Al-Shohada'a – Sadat station)

- Length 3 km - Inauguration 1997

PHASE 3 (Sadat - Cairo University station)

- Length 5.5 km - Inauguration 1999

PHASE 4 (Cairo University - Um El-Massriyen station)

- Length 2.7 km - Inauguration 2000

PHASE 5 (Um El-Massriyen – Monib station)

- Length 2.6 km - Inauguration 2005





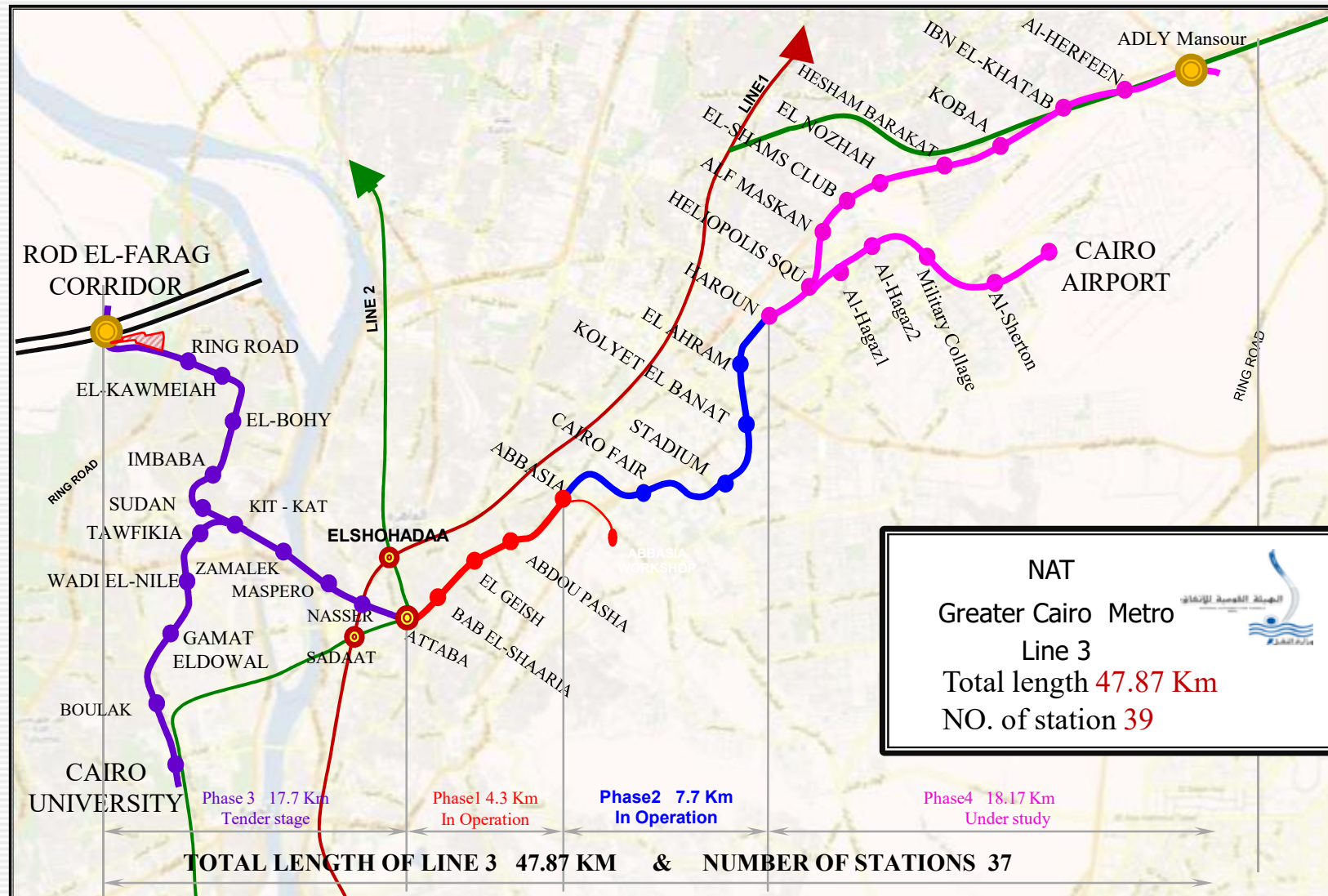
Line 3

Greater Cairo Metro





Greater Cairo Metro Line 3

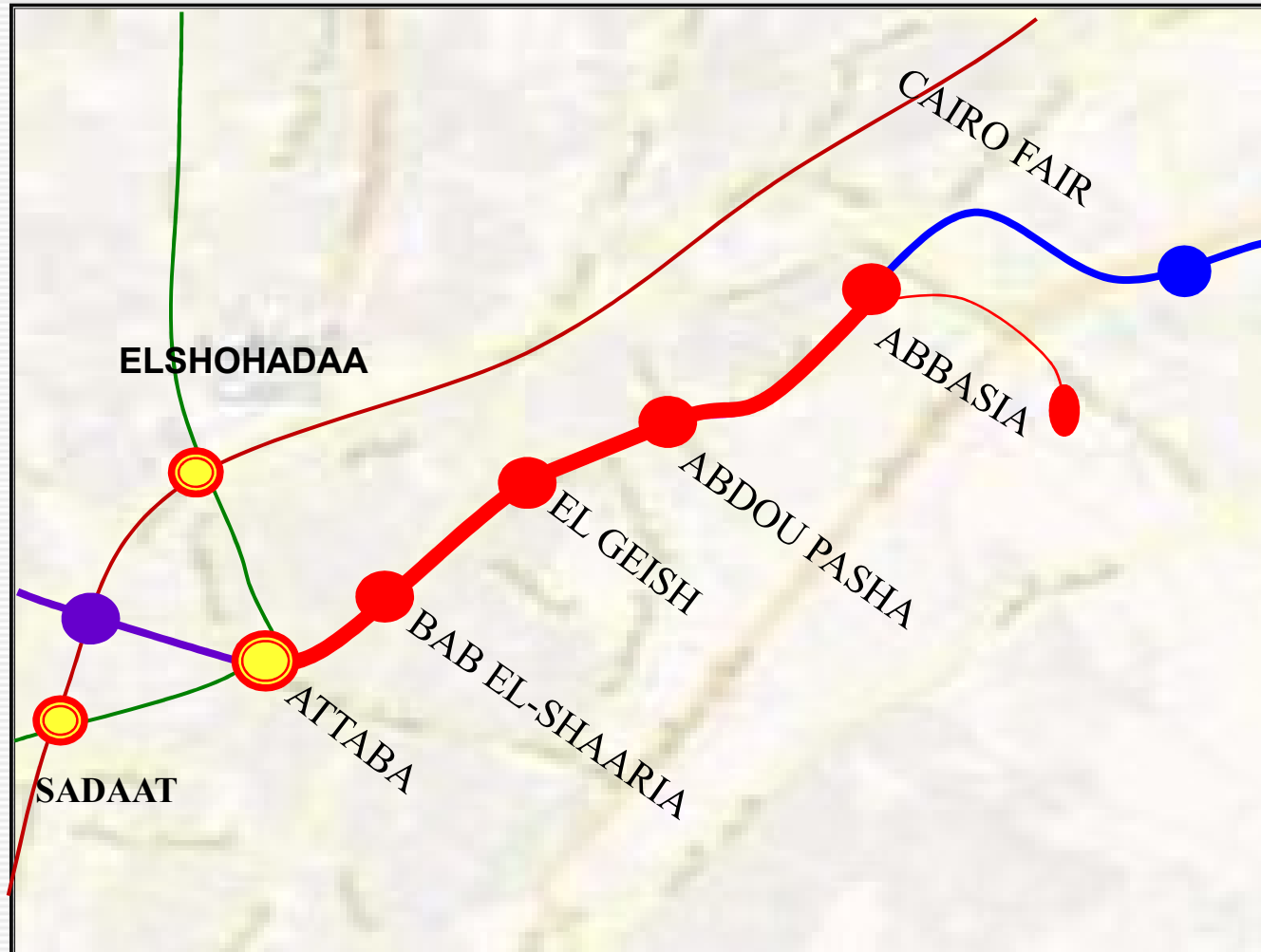




Phase 1 of Line 3



Line3 – Phase 1 (Attaba – Abasia)



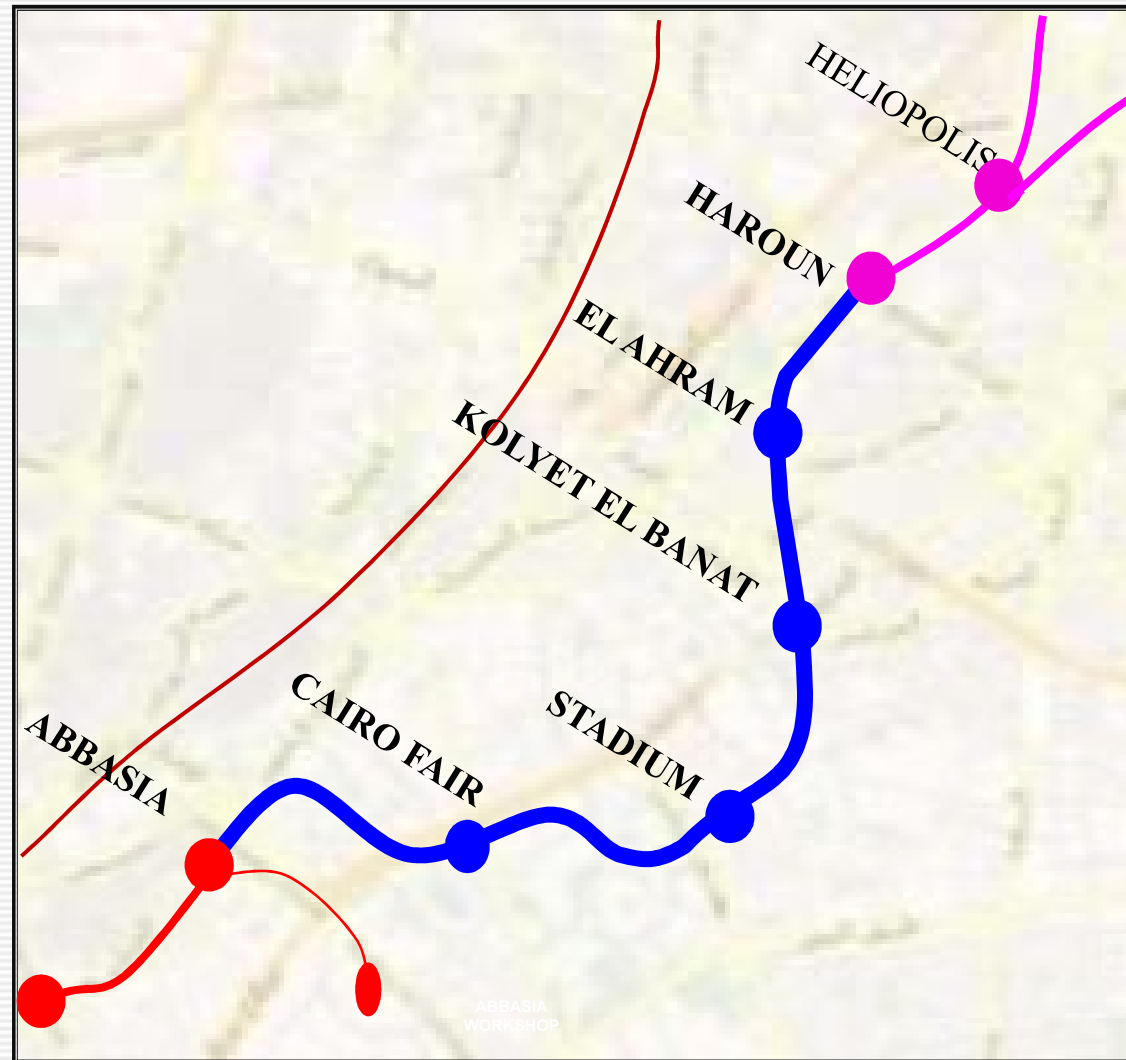
This Phase consists of **5 underground stations** and **4 annexed structures**
The length of Phase 1: **4.3 km** - Inauguration on **21/2/2012**



Phase 2 of Line 3



Line3 – Phase 2 (Abasia – Alahram)



The length of Phase 2: 7.7 km & No. of stations: 4 stations & 7annexed structures
The execution date 7/7/2009 & Inauguration on : May 2014



Under Construction Project



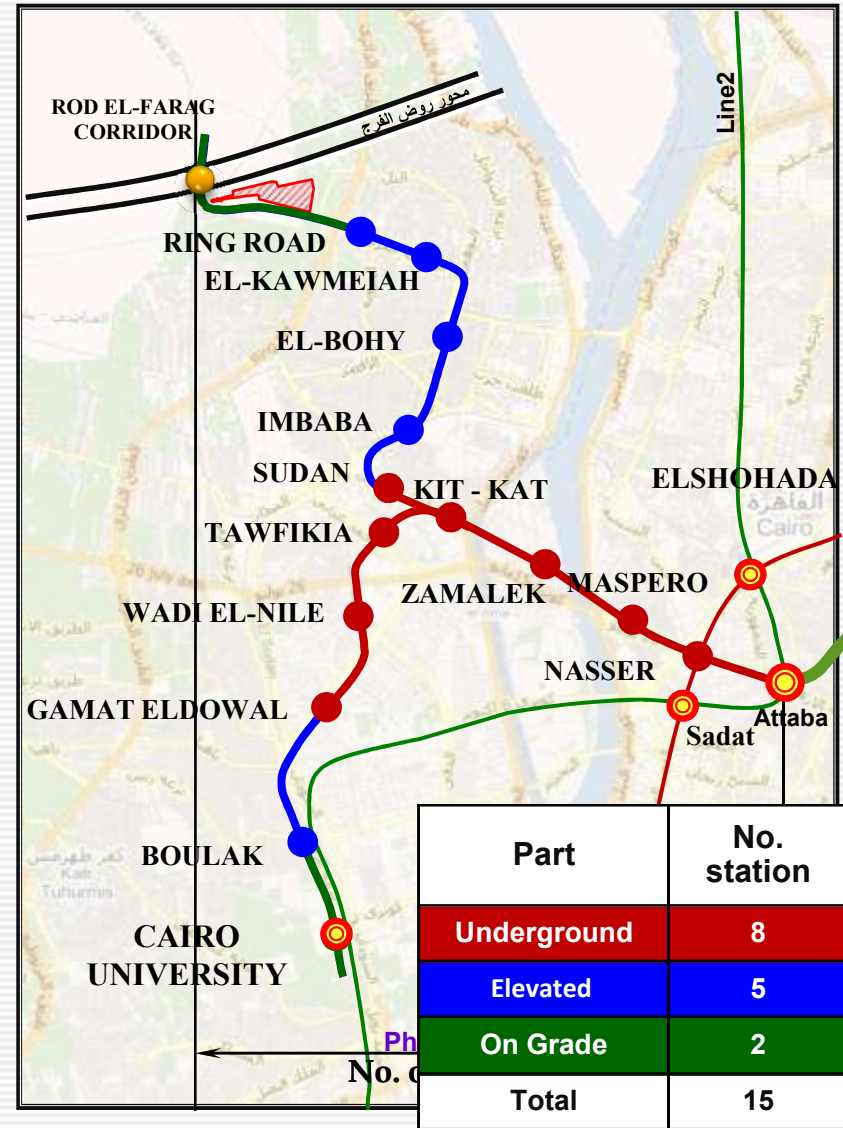
Line3 – Phase 3

Total length 17.7 Km – 15 Stations Split as follows the duration of the execution **76 months**

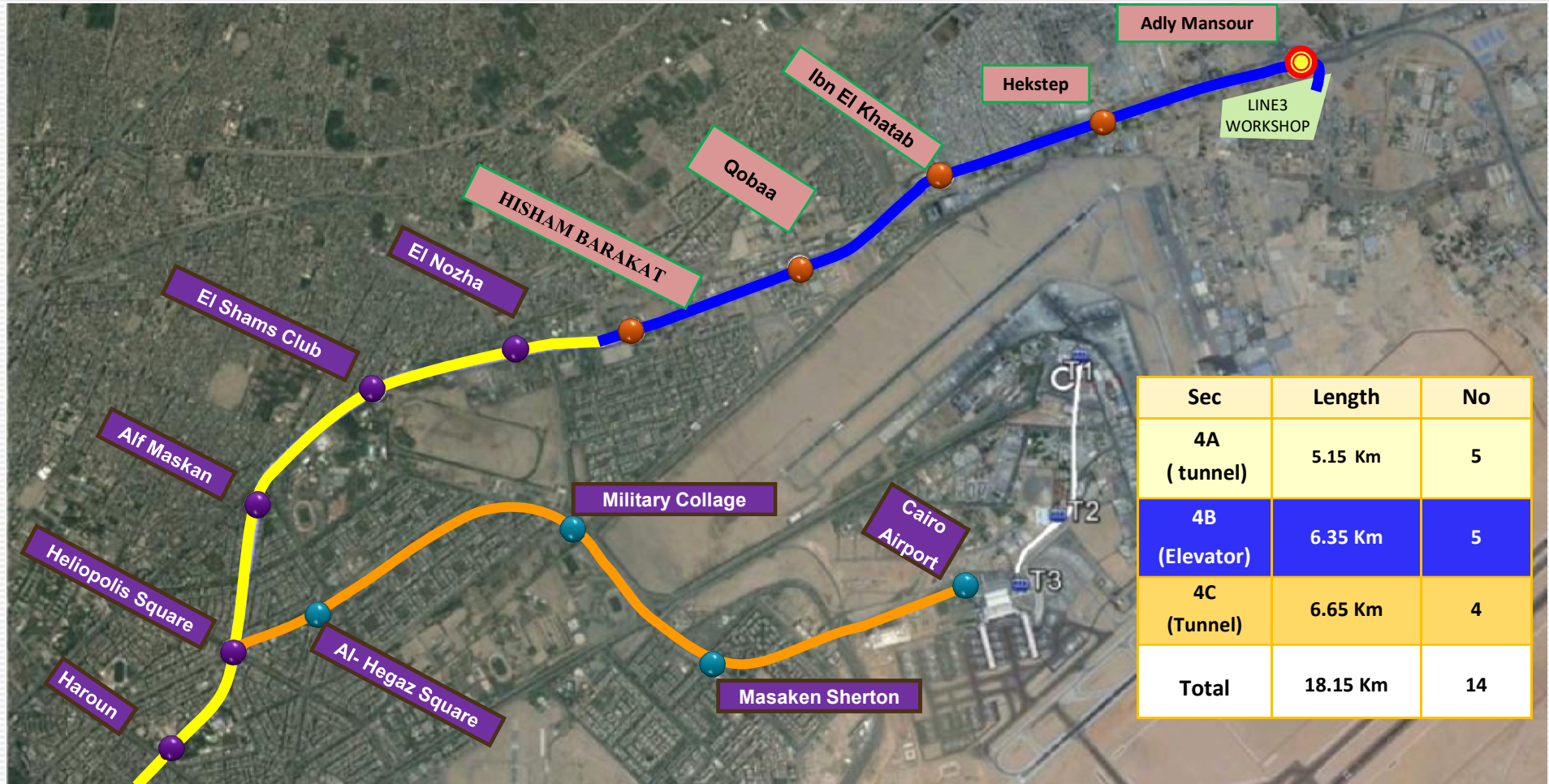
Phase 3A (Attaba / Kit-Kat) :
 Total length of **4 km** , includes **4 underground stations**
 Opening Plan **57 months** after implementation (**4/2022**)

Phase 3B (Kit-Kat / Rod El Farag Corridor) :
 Total length of **6.6 km** , includes **6 stations**
 (**1 Underground + 1 On- grade + 4 Elevated**)
 Opening Plan **10 months** after Phase 3A opening (**2/2023**)

Phase 3C (Kit-Kat / Cairo Univ.) :
 Total length of **7.1 km** , includes **5 stations**
 (**3 Underground + 1 On- grade + 1 Elevated**)
 Opening Plan **9 months** after Phase 3B opening (**11/2023**)



LINE 3 phase 4 (AL THAWRA LINE)



Phase 4 consists of **15** stations “Haroun – Heliopolis Square -Alf Maskan - El Shams club- El Nozha – HISHAM BARAKAT - Qobaa – Omar Ibn ELKhattab - El Salam "10th of Ramadan"- Cairo International Airport” with a total length of about **18.15 km**

LINE 3 phase 4A (AL THAWRA LINE)



Phase 4A consists of 5 stations “Haroun – Heliopolis Square -Alf Maskan - El Shams club- El Nozhah – with a total length of about **5.15 km** Opening is Planned on **Dec. 2018**”

LINE 3 phase 4B (AL THAWRA LINE)



Phase 4B consists of **5** stations “Hisham Barakat -Qobaa – Omar Ibn ELKhattab – Adly Mansour with a total length of about **6.37 km** Opening is Planned on **Dec. 2019**.

LINE 3 phase 4C (AL THAWRA LINE)



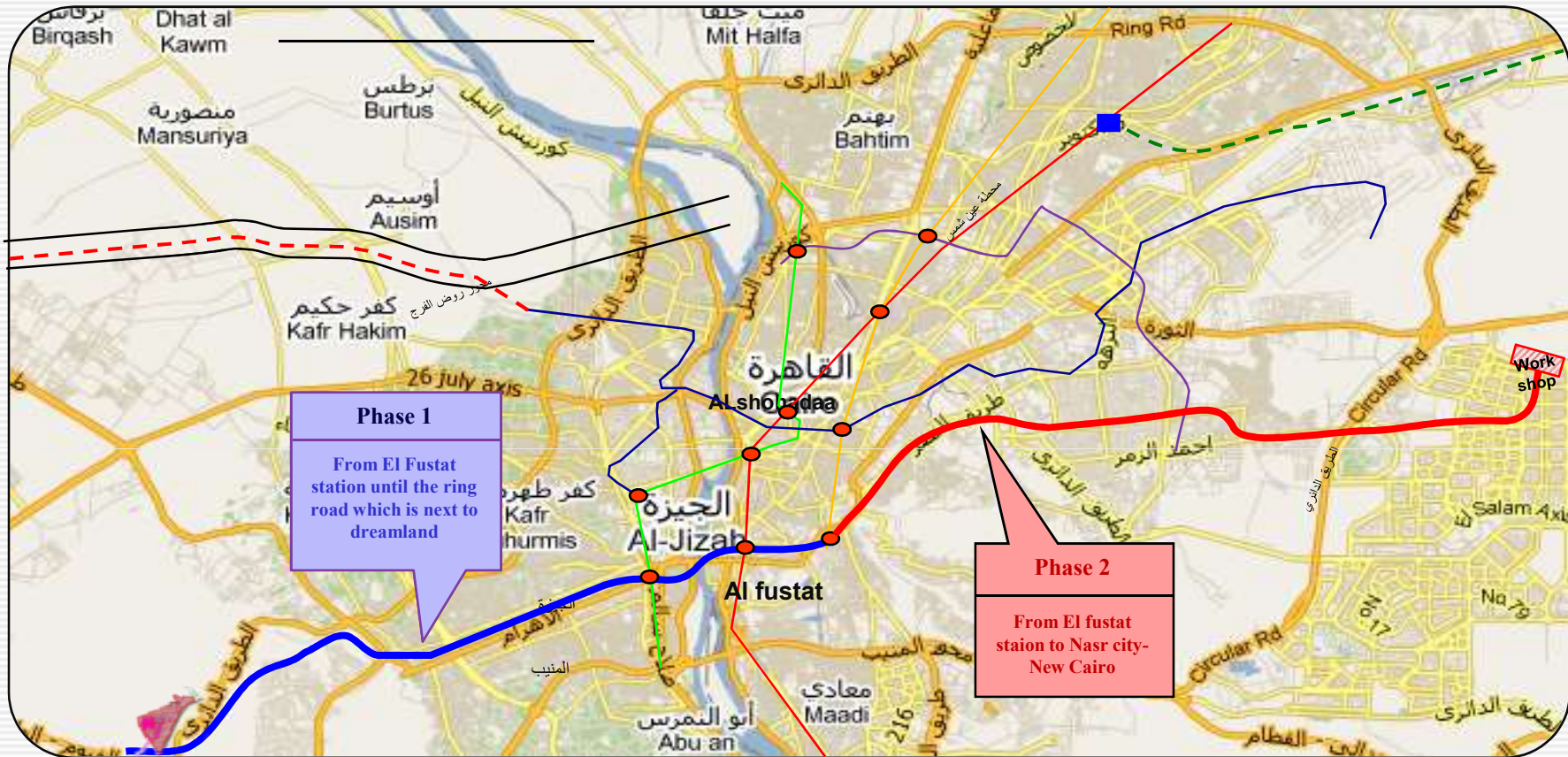
Phase 4C consists of **4** stations “Al Hegaz – Military collage – Masaken Sherton – Cairo Airport with a total length of about **6.65 km**”



Phase 1 and Phase 2 of Line 4

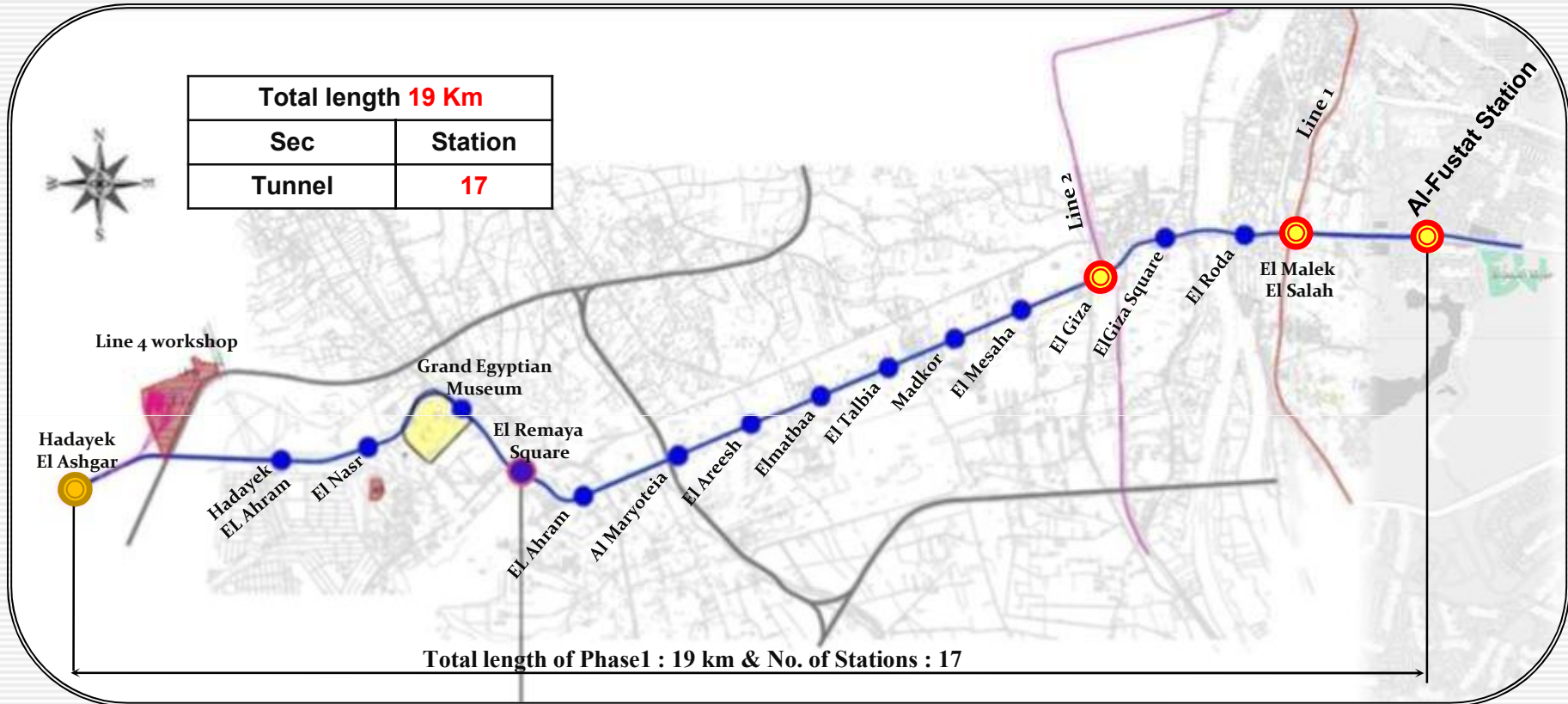


LINE 4



line 4 is the based of connecting 6th of October and New Cairo with metro network
With total length about 45 km.

LINE 4 – Phase 1

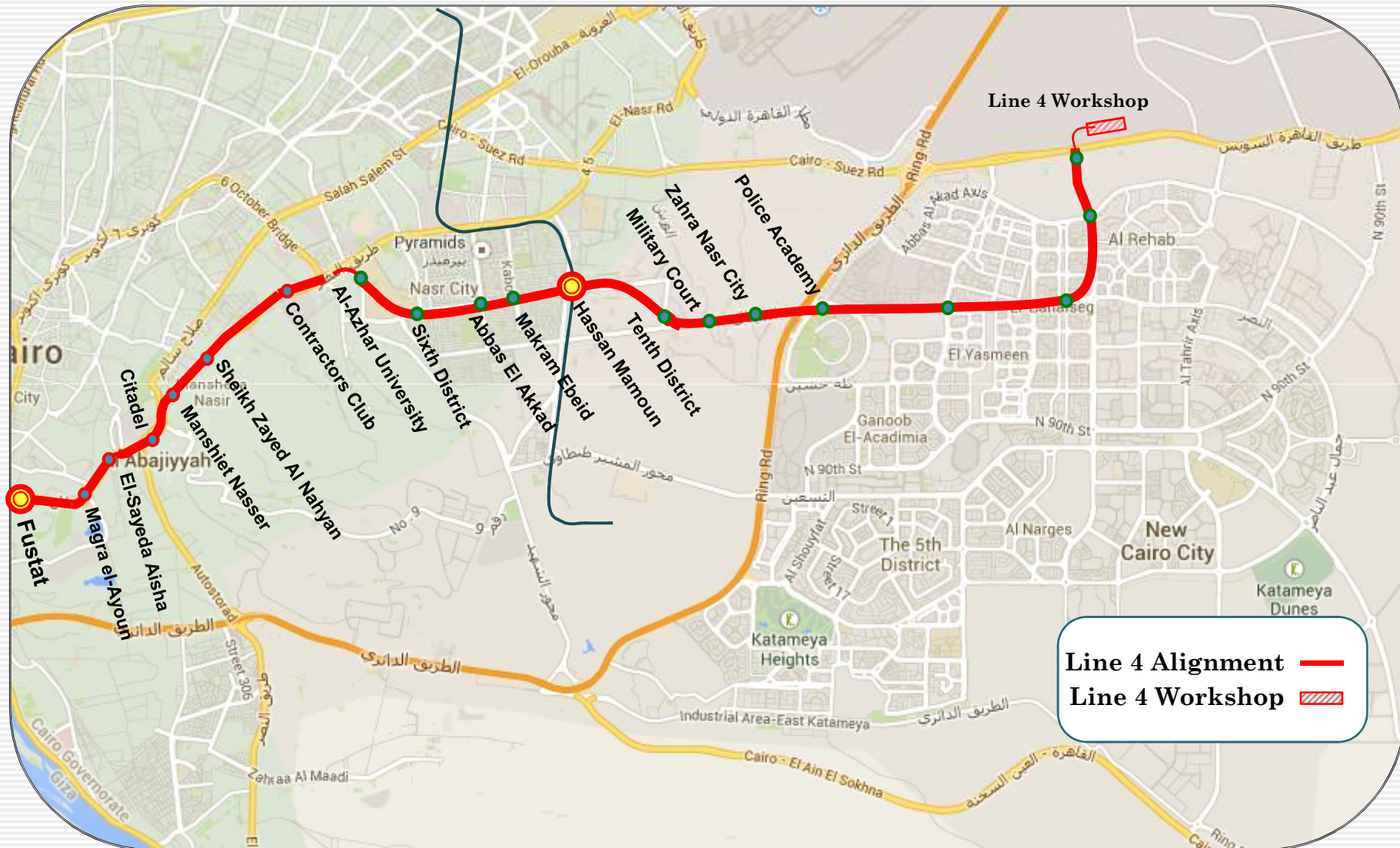




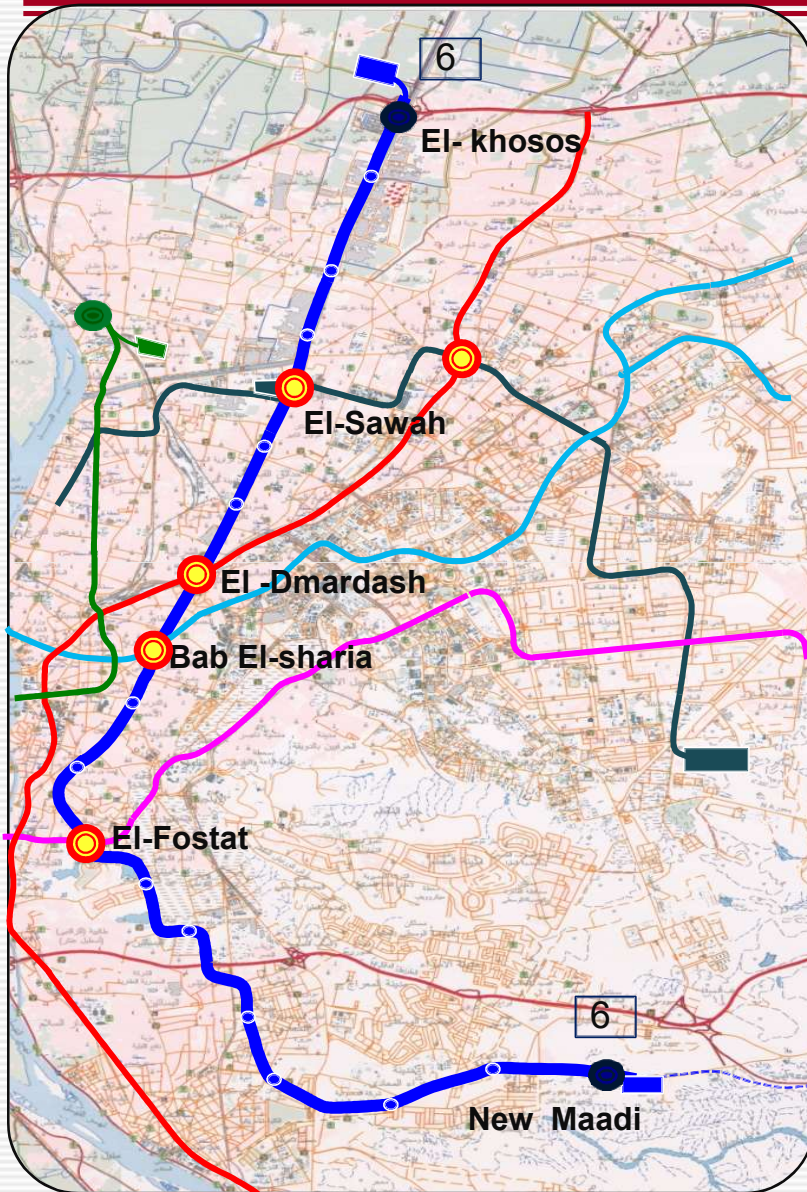
Under Study Projects



LINE 4 – Phase 2



LINE 6 (El- khosos- New Maadi)

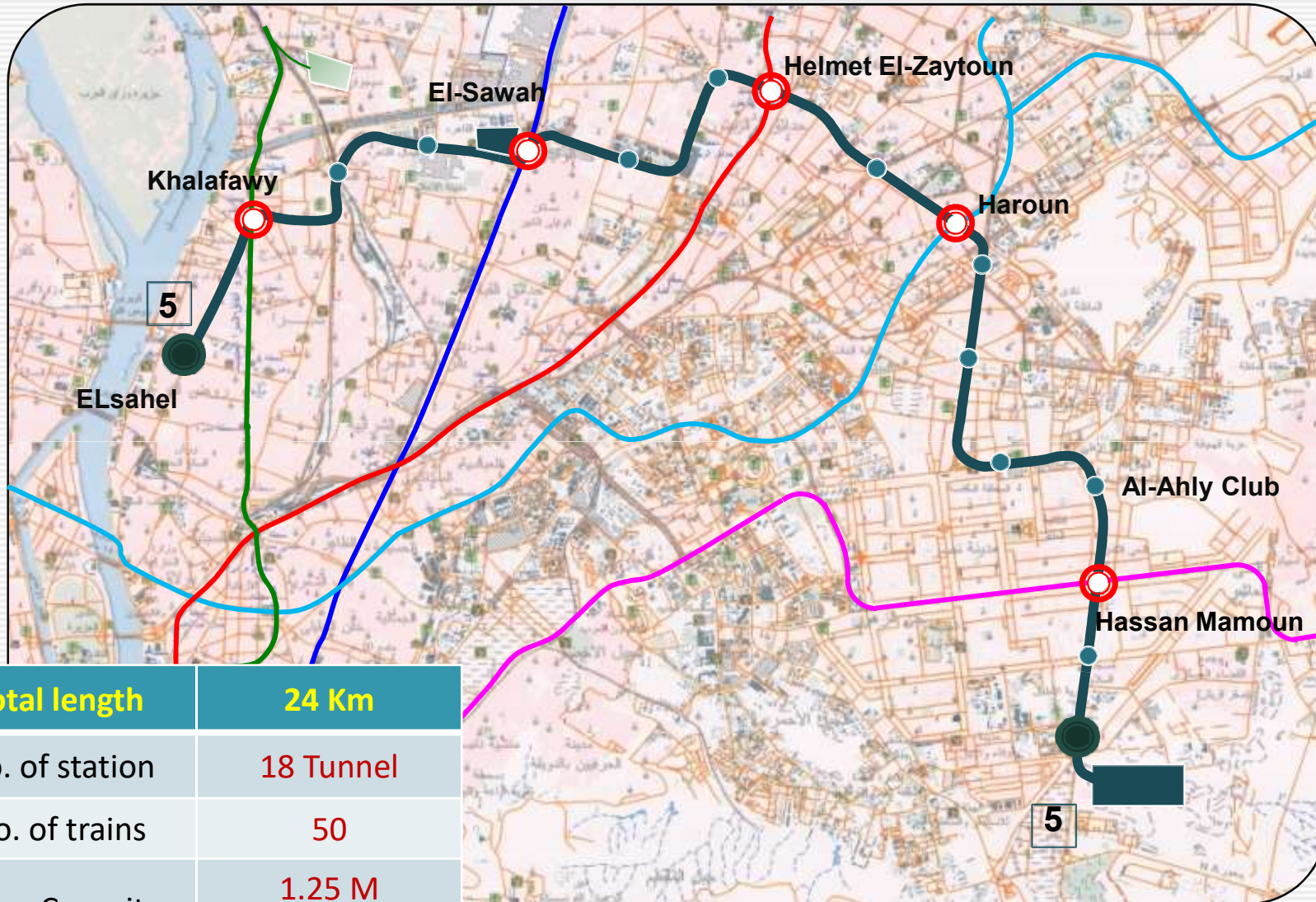


| | |
|---------------------|----------------------------|
| Total length | 33 Km |
| No. of station | 24 Station |
| No. of trains | 33 |
| Trans. Capacity | 1.5 M Passenger/day |
| Estimate Cost | 4.5 Billion \$ |

Due to high capacity of line 1 passengers So line 6 designed to be parallel with line 1 to reduce this capacity and serve the high population on this areas

MOU was signed between NAT and Bamardier company for the preparation of studies and designs and the construction of line 6 included the rolling stock and the systems necessary for operation and maintenance

LINE 5 (Nasr City - Heliopolis – El Sawah- Rod El-Farag)



| | |
|---------------------|-------------------------|
| Total length | 24 Km |
| No. of station | 18 Tunnel |
| No. of trains | 50 |
| Trans. Capacity | 1.25 M Passenger/day |
| Estimate Cost | 4 Billion \$ |



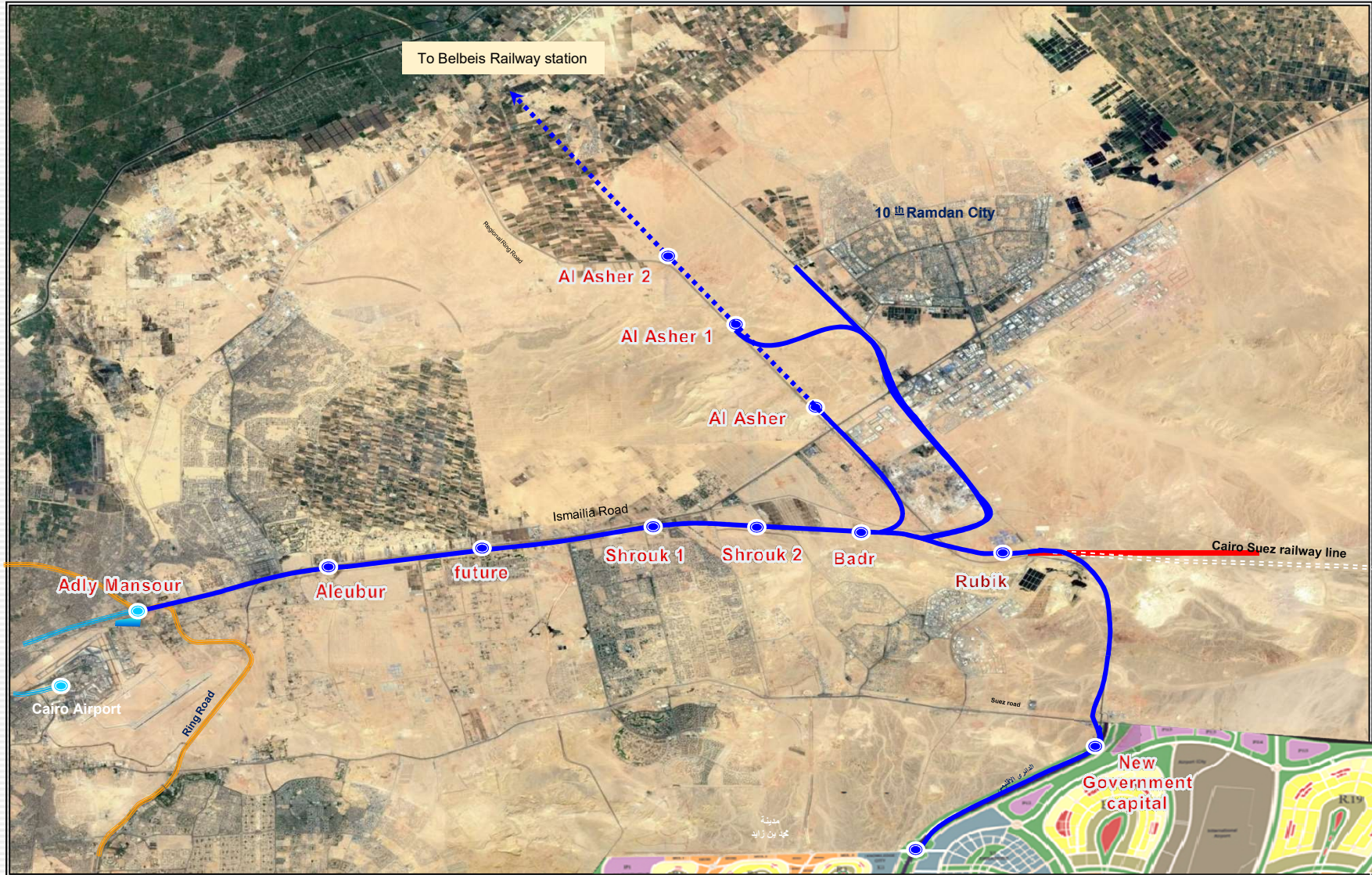
(LRT)

Light Rail Train

10th Ramadan- Belbes- New Governmental city



A proposal to connect train track electrified Tenth of Ramadan with the new government capital



A proposal to connect train track electrified Tenth of Ramadan with the new government capital



- The project will be implemented through **EPC+F** contract by **AVIC/CREEC** contractor and financed by soft loan (**1200** Million Dollars) from Chinese government (**Exim Bank**)
- The remaining cost will be finance from the state budget.

LRT



- Phase 1: from Adly Mansour to the new Capital and 10 of Ramadan City passing the new cities on Cairo – Ismailia road with total length of 67.8 Km and 10 Station



Alexandria Tram Tram El Raml Project



Tram El Raml Project



Elevated  Tunnels  On Grad 

Transportation studies for Alexandria (the general strategic urban plan for Alexandria **until 2032**) were prepared in **May 2015**, which recommended the need to develop and modernize the mass transport modes in the city.

Total length **13.7 Km** with **28** Station

NAT and APTA will be the owner .

Tram El Raml Project



Elevated  Tunnels  On Grad 

Estimate Cost **363 Million Euro**

| No. | Finance Authority | Value of funding (€ 1 million) | Financing Method |
|-----|--|-----------------------------------|-------------------------|
| 1 | French Development Agency AFD | 100 | Fund |
| 2 | European Investment Bank EIB | 137 | Fund |
| 3 | European Commission to facilitate investment in neighboring countries NIF | 8 | Technical Support Grant |
| 4 | The Egyptian budget | 117 | Egyptian Treasury |



Thanks