



ASSOCIATION
INTERNATIONALE DES TUNNELS
ET DE L'ESPACE SOUTERRAIN

AITES

ITA

INTERNATIONAL TUNNELLING
AND UNDERGROUND SPACE
ASSOCIATION



EGYPT

ACTIVITY REPORT 2015





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Egyptian Tunnelling Society - ETS

Non Governmental Organization - NGO

- 385 Individual members
- 12 Corporate members



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ETS held 7 lectures & presentations on the following subjects:

- 1- Seismic Performance of Deep bored tunnels with isolation protection.
- 2- Master builder solutions for underground construction conventional tunnel excavation.
- 3- High Speed Train.
- 4- What is Quality.
- 5- Tahrir Garage.
- 6- Tunnel Codes.
- 7- Floating Tunnels



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**ETS publishes a periodical
newsletter every 6 months in Arabic**



TUNNELS – UNDERGROUND WORKS

- The Greater Cairo Metro Line 3 is 47 Km length of which nearly 29 Km are underground together with 38 stations. The route extends from Cairo Airport to Imbaba. Additional branch to Mohandeseen of 6 Km, is added which shall be also constructed in underground. The line crosses the River Nile twice. The planned capacity of the line when completed is 2.1 million passengers / day. The works on of the Cairo metro line 3 phase I, had already operation in February 2012, the phase includes 4.5km in deep tunneling & 5 underground stations. Also, Phase 2 had already started in July 2009 parallel with phase 1& includes 6.5km. & 4 stations all underground. Hoping to finish this phase by May 2014. The tender documents for phase 3A, 3B & 3C are under preparation and it is planed to start April 2016. Also, phase 4A & 4B are under construction and it is planned to operation in February 2018. Phase 4C to the airport is under study.



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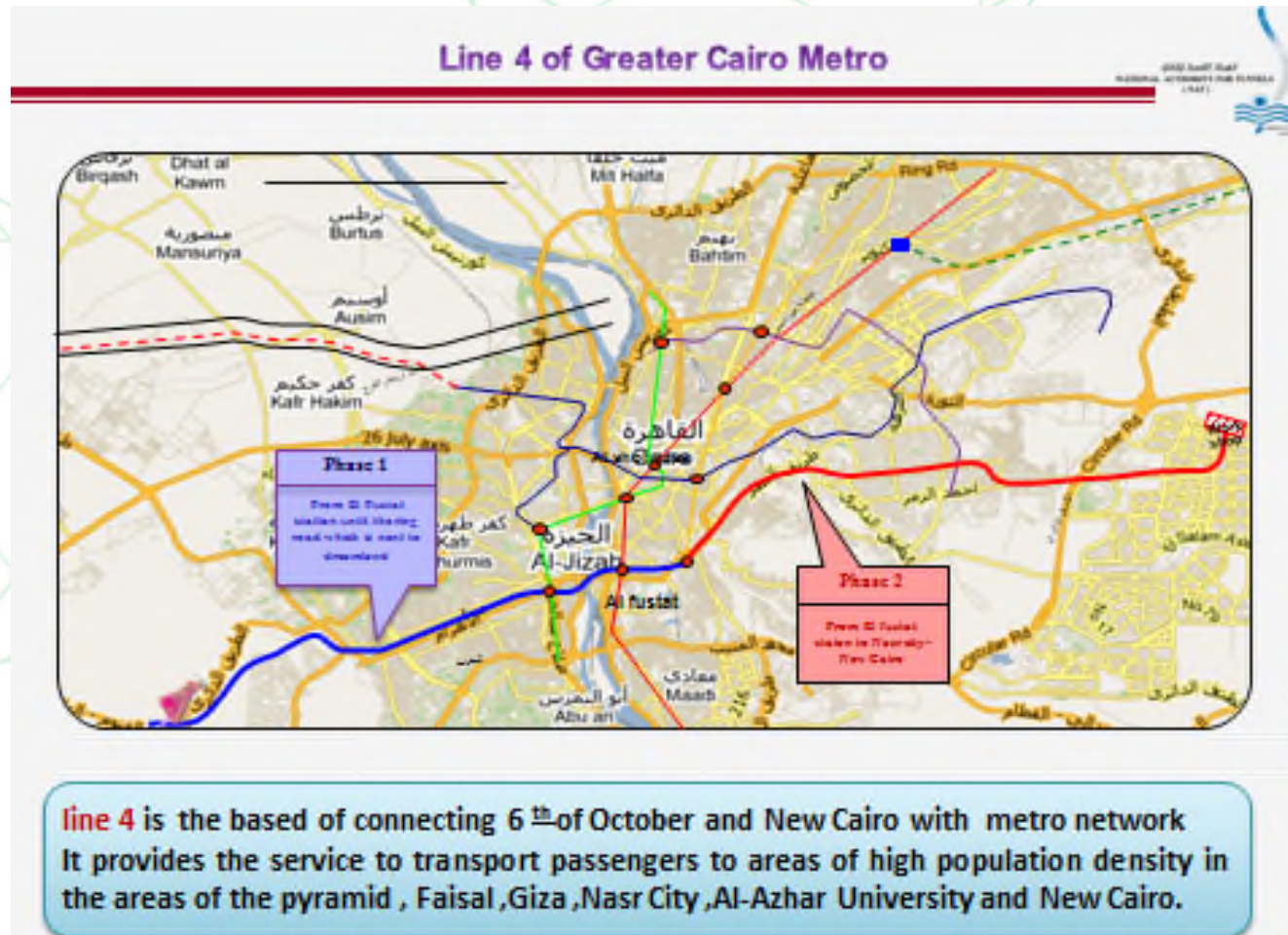
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- The Line 4, phase I of Cairo Metro is already tendered and planned to start at December of 2016. The Study Area is defined by: a Phase 1 of the proposed Metro Line 4, running from a depot/workshop via the Grand Egyptian Museum to El Malek El Saleh Station with a length of about 16km; and a Phase 2 route between El Malek El Saleh via El Sawaha Square and direct to Ring Road Exit #18 with a length of about 18km, namely “Northern Route”. In addition, an alternative Phase 2 route, starting from El Malek El Saleh to Nasr City with a length of about 23.5km, namely “Eastern Route” was evaluated and compared with the originally proposed northern route.
- The transportation study for Greater Cairo Area had been finished proposing 6 lines of metro till 2025. Three further metro lines are recommended in this study in addition to the already 3 basic lines [lines 1 & 2 being finished , line 3, and line 4 are now under construction].



FUTURE ACTIVITIES





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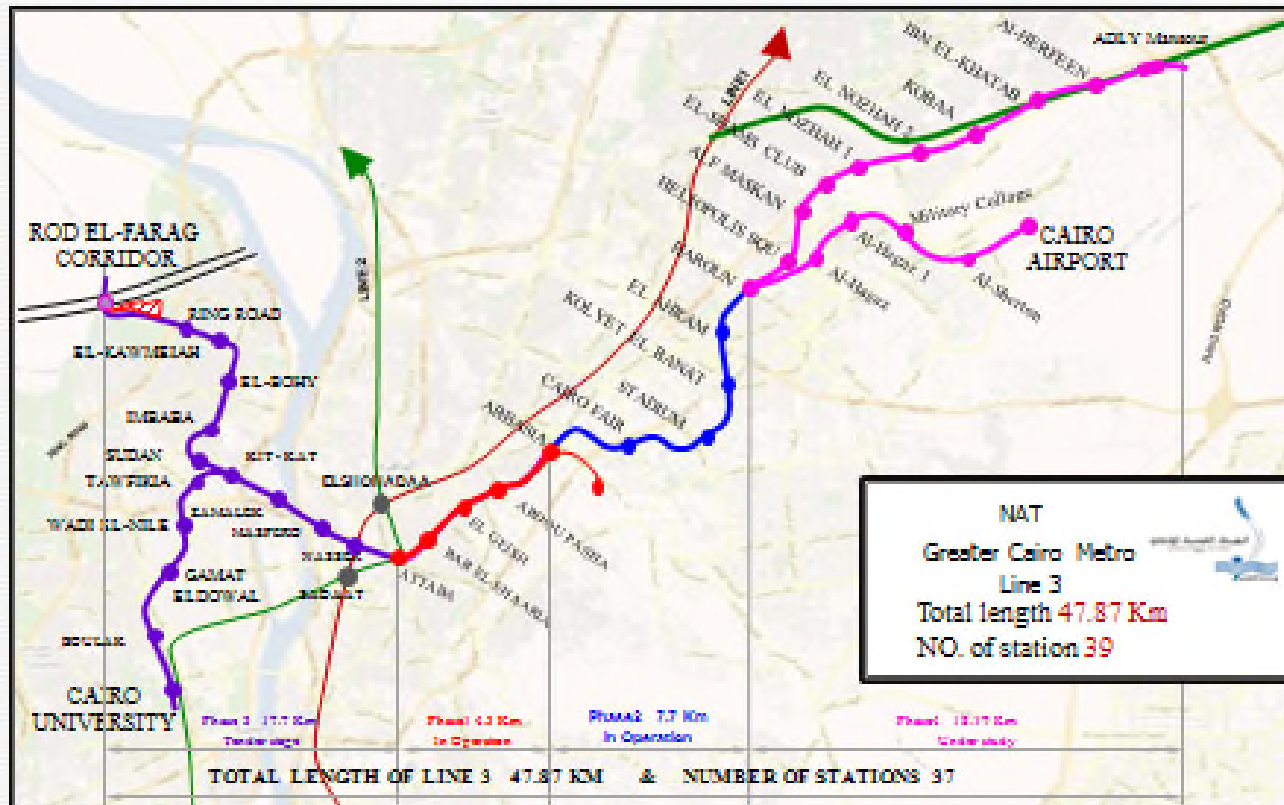
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Greater Cairo Metro Line 3





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Greater Cairo Metro - Line 6

