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State of the Art



# TRANSPORT PROJECTS IN EGYPT

FLANDERS INVESTMENT & TRADE MARKET SURVEY



## Transport Projects connecting Egypt



The transport sector has always played a major role in a country's growth and job creation. Today in Egypt, it is a key driver of the economic development. In 2019-2020, the sector was the biggest recipient of government investments with EGP 88.4 billion injected into building roads, bridges, railways and infrastructure. While in 2021-2022, the total investments targeted for the transport sector reached EGP 244.7 billion, achieving an thriving investments with a growth rate of more than 100% than in the previous year. In light of the ambitious plan adopted by the Ministry of Transport to reform the sector and strengthen the infrastructure, large projects took over all cities, including new cities in Egypt. The sector output is estimated to contribute 4.7% of the real GDP This comes in parallel to Egypt's Vision 2030 to achieve a diversified, competitive and balanced economy within the framework of sustainable development.

### GOV'T TOTAL INVESTMENTS IN EGYPT'S TRANSPORT SECTOR

FY 2017/18	FY 2018/19
EGP <b>65.7</b> bn	EGP <b>77</b> bn

### EGYPTIAN TRANSPORT SECTOR GROWTH RATE

FY 2017/18	FY 2018/19	FY 2021/22
<b>3.2</b> %	<b>4.1</b> %	set to hit <b>7.5</b> %

Source: Ministry of Planning, Follow-Up & Administrative Reform

## Railways

### 1-LRT Project

The LRT (Light Rail Transit) project (Al-Salam - 10th of Ramadan – New Administrative Capital-NAC) covering 105 kilometres and 19 stations. The first and second phases, with a total length of about 70 km and 12 stations were opened in July 2022 and is operated by RATP Dev of France. The third and fourth phases, with a total length of 35 km and 7 stations are currently under construction.

### 2-Cairo Monorail



The East Nile monorail project extends from the stadium station in Nasr City to the New Administrative Capital with a length of 56.5 km and 22 stations. The West Nile monorail project extends for 42 km from Nile Valley station in Mohandessen to 6th of October and includes 13 stations.

### 3-Cairo Metro

- Line 3 of Cairo Metro (Adly Mansour-Embaba-Cairo University) extends for 41.2km. Three phases are complete and fourth is under construction.
- Construction of Line 4 of Cairo Metro from 6th of October City to New Cairo with a length of 46.5 km is underway. The first phase (October 6 - Fustat) has a length of 19 km with 17 stations.
- Line 6 (Al-Khoss - New Maadi) with a length of 35 km is expected to be implemented soon. In June, Zawya had reported that discussions are underway for **financing** for Line 6.

- Lines 1 and 2 are being upgraded in terms of rolling stock, signalling and stations.
- Alexandria Metro project (Abu Qir - Misr) with a length of 21.7 km, and rehabilitation of 14-km Raml tramway line into a modern and efficient tramway with modern infrastructure, systems and rolling stock.
- High-speed railway project involves the construction of the sixth largest high-speed rail system in the world comprising three passenger and freight lines with a total length of 2,000 km. The lines include the 660-km Ain-Sokhna-Marsa Matrouh line (under construction) with 22 stations, the 1,100 km Cairo-Abu Simbel line, and the 225-km Luxor-Safaga-Hurghada line.
- The BRT bus project on the 110 km- Greater Cairo Ring Road to encourage people to use public transport instead of private cars and minibuses.
- Replacing and renewing the public transport fleet in cooperation with companies specialised in the production of environmentally friendly mass transit buses that run on electricity or natural gas.
- Operating electric buses on pilot basis in Sharm El Sheikh (140 buses) and New Administrative Capital (30 buses) which will be expanded to tourist destinations such as Hurghada, Luxor and Aswan.
- Increasing the share of railways in transporting goods through the following:

#### **Establishing new lines**

- Kafr Daoud - Sadat railway line with a length of 35 km
- Al-Manashi railway line – 6th of October, with a length of 70 km
- Belbeis - Tenth of Ramadan - Al-Rubiki railway line, with a length of 50 km).

#### **Development of rolling stock through procurement of:**

- 260 new locomotives (and rehabilitation of 172 locomotives)
- 140 new container deck cars
- 75 grain wagons
- 1,000 different types of merchandise wagons

#### **Roads**

- Expanding the use of pavement recycling processes such as Cold in-Place recycling (CIR) or Full-Depth Reclamation (FDR) as they consume less energy compared to traditional methods – laying 1 kilometre of road using traditional methods consume about 5,500 litres of fuel while only 1,800 litres of fuel is consumed when using recycling technology.
- Expand the use of environment-friendly asphalt emulsions in road maintenance works.
- Separating truck traffic from other traffic on the main roads through concrete-based service roads, whose construction is less polluting compared to mixing and transporting asphalt works.

- Expand roadside vegetation/tree planting to absorb harmful carbon emissions from vehicular traffic.
- Construction of road overbridges and under bridges/tunnels to eliminate surface intersections where roads cross railway lines, which will help reduce traffic jams and associated air pollution
- Expand the construction of ring roads to divert traffic outside city limits and reduce the concentration of traffic and emissions in the central areas. For example, the 400-km Regional Ring Road connects all major highways, reduces congestion in Cairo and prevents trucks carrying 5 tonnes or transit transport from entering the Egyptian capital.

### **River transport system**

- A comprehensive plan is being prepared to drive optimum use of Egypt's rivers for commercial freight which would otherwise be transported by road, which will contribute towards reducing air pollution and carbon emissions.

### **Maritime Infrastructure**

- Work is currently underway for the construction of approximately 15 km of breakwaters (western breakwater with a length of 5,400 metres and the extension of the eastern breakwater with a length of 1,420 metres at the Port of Damietta, and breakwaters with a length of 3,270 metres in the port of Sokhna.
- The Ministry is planning to build about 5 km of breakwaters in the Great Port of Alexandria.

### **Authorities:**

<b>Transport</b>		
<b>Authority</b>	<b>Brief description</b>	<b>Website</b>
Ministry of Transportation	Supervising transportation projects in Egypt & affiliated agencies.	
General Authority for Roads, Bridges & Land Transport	<ul style="list-style-type: none"> <li>- Putting integrated planning for roads &amp; bridges &amp; all related industrial works.</li> <li>- Designing &amp; supervising the high ways &amp; main roads projects.</li> <li>- Giving licenses to land transport for passengers among governorates &amp; watching its working.</li> </ul>	
Ministry of Civil Aviation	The ministry sets civil aviation regulations, sets airworthiness and all flight rules, and air standards that must be met, making amendments, as needed.	<a href="http://www.civilaviation.gov.eg/">http://www.civilaviation.gov.eg/</a>

	It ensures Egyptian airline and flight operations follow safety rules such as those put forth by International Aviation - European Common Aviation Area (ECAA).	
Cairo International Airport	Airport management & operators services.	<a href="https://www.cairo-airport.com/en-us/">https://www.cairo-airport.com/en-us/</a>
National Authority for Tunnels	National Authority for Tunnels (NAT) is a Government Agency under the jurisdiction of Ministry of Transport, was incorporated in 1983, for executing Metro Lines and electric traction rail transport projects inside & outside Egypt	
Egyptian National Railways	Managing & operating railway network inside Egypt.	<a href="https://enr.gov.eg/ticketing/public/login.jsf">https://enr.gov.eg/ticketing/public/login.jsf</a>
Canal Suez Authority	<b>Suez Canal Authority (SCA)</b> is an Egyptian state-owned authority which owns, operates and maintains the Suez Canal.	<a href="https://www.suezcanal.gov.eg/English/Pages/default.aspx">https://www.suezcanal.gov.eg/English/Pages/default.aspx</a>
Alexandria Port Authority	Passengers & ships receiving services. Stevedoring & forwarding services.	<a href="https://apa.gov.eg/en/">https://apa.gov.eg/en/</a>
Red Sea Ports Authorities	The Red Sea Port Authority is responsible for the operation of several ports located along the coast of the Red Sea.	
Port Said Port Authorities	Governmental authority responsible for transporting ships & passengers & shipping & stevedoring services.	
Damietta Port Authorities	<ul style="list-style-type: none"> <li>- It is one of the affiliated companies of the Holding Company for Maritime &amp; Inland Transport.</li> <li>- Container handling &amp; owner of a container terminal &amp; depot in Damietta port &amp; agent for shipping lines it providing handling &amp; stevedoring services for different types of general cargo.</li> </ul>	<a href="https://www.dpa.gov.eg/">https://www.dpa.gov.eg/</a>



Egyptian Authority for Maritime Safety (EAFMS)	The Egyptian Authority for Maritime Safety (EAFMS), Ex-Ports and Lighthouses Administration (PLA), is one of the first governmental facilities as it dates back to 1830 when an assembly was appointed to supervise the preparation to receive large vessels in the port of Alexandria.	<a href="https://www.eams.gov.eg/home/About_En0">https://www.eams.gov.eg/home/About_En0</a>
Alexandria Chamber of Shipping	Providing services & organization marine courses & conferences. Studying & solving all kinds of problems & obstacles facing workers in this field.	<a href="https://www.acs.org.eg/">https://www.acs.org.eg/</a>

**Top national companies working on governmental projects:**

No	Company	Sector	Website
1	Arab Contractors	<b><u>Main Sector:</u></b> Construction <b><u>Subsector:</u></b> Bridges, Roads, Tunnels, Ready-mix concrete, engineering consultancy.	<a href="https://www.arabcont.com/english/">https://www.arabcont.com/english/</a>
2	Al Soadaa Group for Construction	<b><u>Main Sector:</u></b> Construction <b><u>Sub-sector:</u></b> Bridges and roads, constructional Buildings, fabricated steel structure, ready-mix concrete.	<a href="https://elsoadaa.com/">https://elsoadaa.com/</a>
3	Concord for Engineering & Contracting	<b><u>Main Sector:</u></b> Construction <b><u>Sub-sector:</u></b> Transport projects and Micro-Tunneling.	<a href="https://www.concord-ec.com/">https://www.concord-ec.com/</a>
4	Dar Al Handasah	<b><u>Main Sector:</u></b> Construction <b><u>Sub-sector:</u></b> planning, design, management and consultancy for mega construction projects.	<a href="https://www.dar.com/about/overview">https://www.dar.com/about/overview</a>
5	EISwedey Electric	<b><u>Main Sector:</u></b> Electricity <b><u>Sub-sector:</u></b> Wire & Cable , Electrical Products, Engineering & Construction, Smart Infrastructure and Infrastructure Investments.	<a href="https://www.elsewedyelectric.com/en/home/">https://www.elsewedyelectric.com/en/home/</a>
6	Gama for Construction	<b><u>Main Sector:</u></b> Construction <b><u>Sub-sector:</u></b> Industrial and building construction projects as well as infrastructure construction projects.	<a href="https://gama.com.eg/">https://gama.com.eg/</a>

7	Menarail Transport Consultants	<b>Main Sector:</b> Consultancy for Transport projects <b>Sub-sector:</b> Feasibility studies, construction control, design management, management consultancy and Engineer design of new rail infrastructure & track alignment.	<a href="http://menarail.net/">http://menarail.net/</a>
8	Moukhtar Ibrahim Contracting Company (S.E.D.E)	<b>Main Sector:</b> Construction <b>Sub-sector:</b> Roads and bridges, electrical power projects, industry and public buildings.	<a href="https://www.moukhtar.com/site/en/index.asp">https://www.moukhtar.com/site/en/index.asp</a>
9	Orascom Construction PLC	<b>Main Sector:</b> Construction <b>Sub-sector:</b> roads and bridges, construction for mega projects and building materials.	<a href="https://orascom.com/">https://orascom.com/</a>
10	Rowad Modern Engineering	<b>Main Sector:</b> Construction <b>Sub-sector:</b> Commercial construction projects, industrial and power projects, infrastructure projects, heritage restoration, reinforced earth systems.	<a href="https://rowad-rme.com/">https://rowad-rme.com/</a>
11	SAMCO	<b>Main Sector:</b> Construction  <b>Sub-sector:</b> roads, Bridges, railways and general construction.	<a href="https://samco-egypt.com/main-home/">https://samco-egypt.com/main-home/</a>
12	Samcrete Engineers and contractors	<b>Main Sector:</b> Construction <b>Sub-sector:</b> construction of roads and precast concrete products.	<a href="https://www.samcrete.com/first.php?page_id=7&amp;lang_id=1&amp;plone=7">https://www.samcrete.com/first.php?page_id=7&amp;lang_id=1&amp;plone=7</a>
13	SIEMENS Egypt	<b>Main Sector:</b> Electrical engineering and electronics. <b>Sub-sector:</b> Global powerhouse in the fields of industry, energy and healthcare and for infrastructure solutions.	<a href="https://new.siemens.com/eg/en/company/about.html">https://new.siemens.com/eg/en/company/about.html</a>
14	SIAC Holding Group	<b>Main Sector:</b> Construction <b>Sub-Sector:</b> Building and industrial projects, power and infrastructure projects.	<a href="https://www.siac.com.eg/?q=holding">https://www.siac.com.eg/?q=holding</a>
15	Systems Engineers of Egypt	<b>Main Sector:</b> ICT <b>Sub-sector:</b> Networking & data communication solution provider	<a href="https://seegypt.com/">https://seegypt.com/</a>



16	Talaat Imam Consulting Engineer	<b><u>Main Sector:</u></b> Consultancy <b><u>Sub-sector:</u></b> Transport, urban developments and buildings, construction management	<a href="https://www.talaat-imam.com/">https://www.talaat-imam.com/</a>
17	Gharably Integrated Engineering Co. SAE	<b><u>Main Sector:</u></b> Construction <b><u>Sub-sector:</u></b> Building and transport infrastructure projects	<a href="https://gieco-eg.com/">https://gieco-eg.com/</a>

### **Local exhibitions:**

<b>Exhibition</b>	<b>Website</b>
Transpotech	<a href="http://www.transpotech-eg.com/">http://www.transpotech-eg.com/</a>
EgyTraffic	<a href="http://egytraffic-africa.com/">http://egytraffic-africa.com/</a>

### **Transport projects with neighbor countries:**

A grant agreement was signed between the Egyptian Ministry of International Cooperation and the Kuwaiti Fund for Arab Economic Development (KFAED) to study building a railway line between Egypt and Sudan. The deal signed is worth \$2.5 million. The main purpose of this railway is to facilitate carrying Egyptian trades and goods to all of Africa.