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#### WHO WE ARE

E I for Civil Works (EICW) was founded in 1998 under the trade name "The Engineering Institution for Civil Works (EICW)", excelling ever since infrastructure and road construction.

Later on, EICW expanded in multiple construction sectors, specializing in residential and commercial buildings; turn-key deliveries; and, lastly, manufacturing pre-cast pre-stressed concrete railway ties.

EICW is committed to study with its Clients the best possible solutions to achieve the ultimate purpose of every project, leaving a memorable experience of success with every Client and at every site we operated and developed; that is in our team's DNA.





#### **OUR VISION**

EICW aims to pave the way for better solutions by broadening the view of our Clients to the latest technologies achieving time and cost efficiency, and assuring that our cooperation with our Clients is a success story that every job site will tell.

#### **OUR MISSION**



We believe our team is our true working capital. We closely work with every team member to make sure our own team members are unleashed to their full potential while planting the success and precision by our company in the core of every value we live by.

#### **OUR SCOPE OF WORKS**

- Our Core Business:
  - Paving Works for Military Airports and Commercial Airports, including flexible and rigid pavements for airside (runways, aprons, and taxiways), and landside (service roads and parking areas).
  - **Road Works**, including all necessary earthworks, Subgrades, sub-bases, bases, and pavement layers.
- Railroad Embankment.
- Production of Pre-stressed Concrete Railway Ties using Carousel- system Production line.
- Building Construction/ Finishes, Electro-mechanical and Landscape Works.
- Infrastructure Networks and Utilities for water supply, sewage, fire-fighting, irrigation, and natural gas.
- **Surveying Solutions.**







- Our team is the foundation of our success; investing in our team members is EICW philosophy to fulfill its commitments.
- Maintain **integrity and competence** in each and every task we execute.
- A major key to success is having the right project manager and team, with the right technical/construction capabilities.
- Solid-structured Team and Functional Fluidity; EICW operates as a solid-structured work group to implement the projects, yet, functional fluidity for project processes is carefully maintained.
- Constantly re-evaluate and sustainably develop our integrated management skills, quality assurance/ value engineering processes, and construction resources.

#### WHY WORKING WITH EICW

- EI CW has a group of engineers and technicians who are qualified and experienced in all aspects of construction solutions, through all project phases: from conceptualization to implementation and commissioning, which guarantees a highquality service delivery for all our Clients.
- EICW is continuously keen to use the latest construction technology, aiming to deliver quality services within project time schedule, and, hence, to heighten our Clients' satisfaction and trust.





## EICW MEMBERSHIP IN THE EGYPTIAN FEDERATION FOR CIVIL AND BUILDING CONTRACTORS





#### **EICW QUALITY POLICY**

**EIC** W's concept is based on achieving customer requirements and ensuring the provision of services and implementation of contracting works on time while ensuring the work environment and the surrounding environment and maintaining the safety and health of workers, with the company always aiming to achieve the highest level of satisfaction for all stakeholders.

#### Our quality policies are based on several core principles:

- Commitment and compliance to deliver the project on time to achieve the requirements of the client and other beneficiaries
- Quality in the implementation of works to meet the needs of the client and other beneficiaries under the specifications and standards required.
- The safety and health of the company's human resources and project stakeholders.
- Preserving the surrounding environment with its various components and preventing pollution while preserving resources.

For **EICW** to ensure the successful implementation of its policy, it provides the company's employees with the training opportunities required to raise their efficiency, as well as the necessary capabilities for continuous improvement of the quality of work implementation.

We are committed to sustainable work and providing services that meet the needs of the client and other stakeholders, in a modern and innovative manner, under the standards of institutional excellence and the quality management system, with a periodic review of this policy to ensure its continuity and suitability under international standards that have been planned and developed jointly with other administrative departments.

**Chairman and Founder** 

Eng. Wasfy L. Basta



#### **EICW QUALITY CERTIFICATES**



.ABC CERTIFICATION hereby certifies that



Has been audited by ABC CERTIFICATION and has implemented Environmental Management Systems

ISO 14001:2015

#### Scope of Certification

GENERAL CONTRACTOR SPECIALIZED IN DIFFERENT FIELDS OF CONSTRUCTION RANGING FROM INFRASTRUCTURE, RAILWAY, ROADS, BRIDGES, BUILDING, WATER AND WASTE WATER TREATMENT, POWER AND ENERGY, ETC.

Code:
Original Date:
Re-certification:
Approval Date:

21.12.2023 20.12.2026 21.12.2023

Valid Period: 21.12.2023 ~ 20.12.2024 Certificate No: ABC-306-EC23









UK Office: Kemp House, 152-160 City Road, London EC1V 2NX, United Kingdom Egypt Office: 29 AlChow Building, Salah Salem St, Foor 1, Fat 14, Cairo, Egypt. Tel.: +2 02 24015033 - 01555 0555 26 - 444 207 10990/6 Email: inflo@abccerti.com Website: www.abccerti.com



### ABC CERTIFICATE

.ABC CERTIFICATION hereby certifies that



Has been audited by ABC CERTIFICATION and has implemented Occupational Health and Safety Management Systems

ISO 45001:2018

#### Scope of Certification

GENERAL CONTRACTOR SPECIALIZED IN DIFFERENT FIELDS OF CONSTRUCTION RANGING FROM INFRASTRUCTURE, RAILWAY, ROADS, BRIDGES, BUILDING, WATER AND WASTE WATER TREATMENT, POWER AND ENERGY, ETC.

Code: 28
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### ABC CERTIFICATE

.ABC CERTIFICATION hereby certifies that



Has been audited by ABC CERTIFICATION and has implemented Quality Management Systems

ISO 9001:2015

#### Scope of Certification

GENERAL CONTRACTOR SPECIALIZED IN DIFFERENT FIELDS OF CONSTRUCTION RANGING FROM INFRASTRUCTURE, RAILWAY, ROADS, BRIDGES, BUILDING, WATER AND WASTE WATER TREATMENT, POWER AND ENERGY, ETC.

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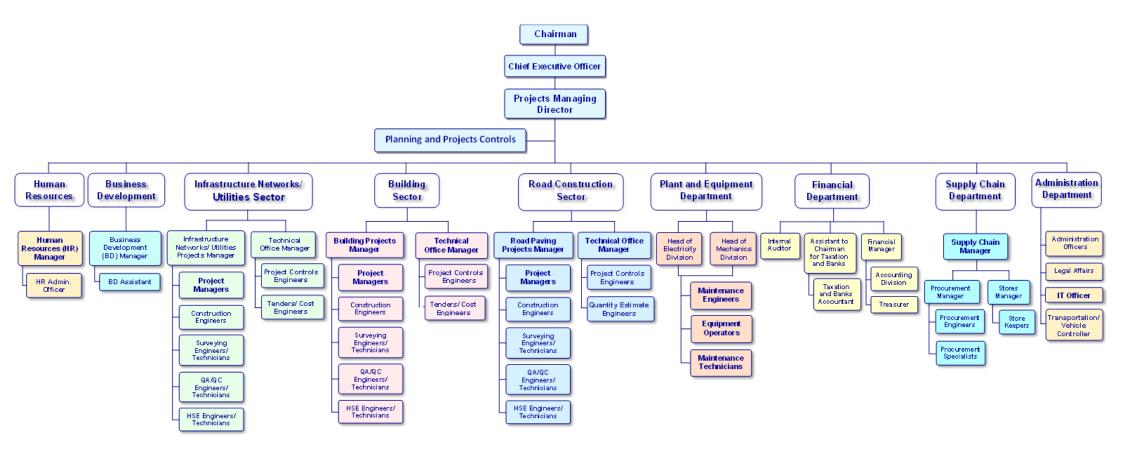


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#### **EICW ORGANIZATION CHART**





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**EICW MAJOR CLIENTS** 



**The Egyptian Air Forces** 



The Egyptian Armed Forces Engineering Authority



Military Production
Co. for Projects and
Engineering
Consultancy and
General Supplies



The Ministry of Culture of The Arab Republic of Egypt







الأكاديمية الوطنية للتدريب
NATIONAL TRAINING ACADEMY







الشركة المصرية للمطارات EGYPTIAN AIRPORTS CO.

















The National Organization For Potable Water & Sanitary Drainage



The General Nile Co. for Construction and Road Paving





Evangelical Synod of the Nile -Secretariate of Schools



### **EICW SERVICE AREA**





### **EICW Major Projects of Pavement Works at Airports**

				ROJECTS OF LAVEIMENT WORKS					Pav	rement	t Scop	oe of V	Vorks					S
							<i>a</i> :			le Pave				gid Pav	/emen	ıt		Floods s and
S/N	Project Name	Duration	Location	Contract Awarded by	Earthworks	Subgrade	Sub-Base/ Base Course	Scrapping Old Asphalt	Prime-Coat Layer (MC)	Binder Course	Tack-Coat Layer (RC)	Surface Asphaltic Course	Demolition of Old Concrete	On-grade Concrete Slabs	Concrete/ Concrete Joints	Concrete/ Asphalt Joints	Road Marking	Protection Against Flash Floods (Construction of Culverts and Utility Crossings)
1	Upgrade of Fences and Protection against Flash Floods at El- Meliz Airbase, as per the Additional Requirements to Develop Airbases and Airports	10/2022 – 07/2023	El-Meliz, Sinai	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•												•
2	Urgent Expansion for Aprons at Hurghada and Sharm El- Sheikh International Airports	05/2022 – 12/2022	Hurghada and Sharm El-Sheikh	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•		•	•	•	•		•	•	•		
3	Construction of Concrete-lined Canals, Crossing Water Culverts, and Protection against Flash Floods, at El-Meliz Airbase	11/2011 – 12/2022	El-Meliz, Sinai	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•												•
4	Repair Works for Runways and Irish Sections, at Al-Aareesh Airbase	09/2020 - 02/2021	Al-Aareesh	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•							•	•	•		
5	Fiber-reinforced Rigid Pavement for Entrances of Aircraft Shelters, Taxiways, Aprons and Auxiliary Runway; Earthworks, Sub-grade and Sub-base/ Base Course for Landside Road Networks; Construction of Crossing Culverts for Signaling and Lighting; and Protection Works against Flash Flood for Main and Auxiliary Runways, at Berniss Airbase and Airport	2017 - 2019	Red Sea Coast	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•					•	•	•	•	•	•
6	Upgrade and Development of Runway and Buildings of CCR Building, and Back-up Generators, at Cairo International Airport	2018	Cairo	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•		•	•	•	•	•				•	
7	Rigid Pavement (Fiber-reinforced) for Entrances of Aircraft Shelters, Taxiways, and Aprons, at Salheya Airbase	2015 - 2017	Salheya	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•							•	•	•		
8	Upgrade of Airside (Apron and Runway Threshold) and Landside Road Networks, at Hurghada International Airport	2015 - 2018	Hurghada	Nasr Co. for Buildings and Construction (EGYCo), for The Egyptian Company for Airports			•	•	•	•	•	•	•	•	•		•	
9	On-grade Concrete Slabs for Thresholds Area of Main and Auxiliary Runways, for Military and Commercial Aprons, at El- Meliz Airbase	2015 - 2016	El-Meliz, Sinai	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)										•	•	•		
10	Repair and Re-construction of Apron On-grade Concrete Slabs, at Abu-Simbel Airport (Total Area: 60,000 m²)	2010 - 2011	Abu-Simbel, Aswan	Ministry of Civil Aviation (represented by The Egyptian Airports Co.)									•	•				
11	Surrounding Road Network for New Air Traffic Controller, Cairo International Airport	2010	Cairo International Airport	Ministry of Civil Aviation (represented by The Egyptian Airports Co.)			•		•	•	•	•	•					
12	Parking Area (at entrance of Passenger Building), at Abu- Simbel Airport	2009 - 2010	Abu-Simbel City, Aswan	The General Nile Co. for Construction and Road Paving		•	•		•	•	•	•	•					
13	Expansion and Upgrade Works for Concrete Apron, at Hurghada International Airport	2003 - 2004	Hurghada	Ministry of Civil Aviation (represented by The Egyptian Airports Co.)									•	•	•	•	•	





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									Flexib					gid Pa	vement	t	
S/N	Project Name	Duration	Location	Contract Awarded by	Earthworks and Level Adjustment	Subgrade	Sub-Base/ Base Course	Scrap-ping Old Asphalt	Prime-Coat Layer (MC)	Binder Course	Tack-Coat Layer (RC)	Surface Asphaltic Course	Demolition of Old Concrete	On-grade Concrete Slabs	Concrete/ Concrete Joints	Concrete/ Asphalt Joints	Road Marking
1	Construction of Service Roads for Land Parcels in "Egypt's Future" Project	06/2023 – 10/2023	Daba'a Axis, North Coast	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•										
2	Road Works to Develop the Main Road of Cairo-Alexandria Desert Road	05/2023 – 09/2023	Cairo- Alexandria Desert Road	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					
3	Road Works to Develop and Expand Jenefa Road (to become 5 Traffic Lanes in Each Direction) from Kilometer 65+000 to Kilometer 72+500 – Second Sector	04/2023 – 07/2023	Suez	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•		•								
4	Road Works to Implement the Main Axes of North Cairo in Ain- Shams and El-Marg Districts, at Kilometer "10"	01/2023 – 06/2023	Ain-Shams and El-Marg Districts	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					
5	Rigid Pavement Project – "El-Shatt" Ferryboat Station, on Pilots Road – West of Suez Canal – Sixth Sector (Two Directions)	01/2023 – 12/2023	Suez	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)										•	•	•	
6	Road Works to Implement the Main Axes of North Cairo in Ain- Shams and El-Marg Districts, at Kilometer "11"	01/2023 – 06/2023	Ain-Shams and El-Marg Districts	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					
7	Rigid Pavement Works on Cairo-Suez Road	12/20222 – 06/2023	Cairo-Suez Road	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)										•	•	•	
8	Flexible Pavement Works to Develop Approach Roads to New Administrative Capital Rail Station	12/2022 – 03/2023	New Administrative Capital, Cairo	The General Authority for Roads and Bridges	•	•	•	•	•	•							
9	Road Works for Expansion of Coastal Road, from Daba'a City to Marsa-Matrooh (Distance: 7 Km) from Kilometer 173+000 to Kilometer 180+000	11/2022 – 11/2023	Daba'a, North Coast	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					
10	Flexible Pavement Works for Expansion of 26th July Road Axis	09/2022 – 10/2022	26 <sup>th</sup> July Axis, Giza	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					
11	Road Works Required to Develop Traffic Axes in Helipolis District (Fourth Phase)	05/2022 – 08/2022	Cairo	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					
12	Road Works Required to Develop Traffic Axes in Ma'adi District	04/2022 – 12/2022	Cairo	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					
13	Flexible Pavement Works for Cairo – Ismailia Rural Road (Fourth Phase)	04/2022 – 09/2022	Cairo – Ismailia Rural Road	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					
14	Flexible Pavement Works Required to Develop and Expand 26 <sup>th</sup> July Road Axis (Work Sector starts at Intersection Cairo- Alexandria Desert Road)	03/2022 – 09/2022	26 <sup>th</sup> July Axis, Greater Cairo Region	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					
15	Road Works Required for Project of Road Axis Parallel to Suez Road (Cairo Airport – Sa'aqa) L1-R1-L4-R4 Main Road (from Kilometer 000+820 to Kilometer 3+300)	03/2022 – 08/2022	Cairo	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					





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S/N	Project Name	Duration	Location	Contract Awarded by	Earthworks and Level Adjustment	Subgrade	Sub-Base/ Base Course	Scrap-ping Old Asphalt	Prime-Coat Layer (MC)	Binder Course	Tack-Coat Layer (RC)	Surface Asphaltic Course	Demolition of Old Concrete	On-grade Concrete Slabs	Concrete/ Concrete Joints	Concrete/ Asphalt Joints	Road Marking
16	Flexible Pavement Works for Cairo – Ismailia Rural Road (Third Phase)	03/2022 – 06/2022	Cairo – Ismailia Rural Road	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					
17	Flexible Pavement Works Required to Develop and Expand the Western Direction of Service Road for Cairo-Alexandria Desert Road	02/2022 – 05/2022	Cairo- Alexandria Desert Road	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					
18	Road Pavement Works to Develop the Intersection of Ahmed Badawy Street with the Autostrad Axis (Development of Sheraton District)	02/2022 – 04/2022	Sheraton District - Cairo	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					
19	Rigid Pavement Works on Cairo-Suez Road (First, Second, and Third Phases)	01/2022 – 12/2022	Cairo-Suez Road	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)										•	•	•	
20	Flexible Pavement Works to Develop and Upgrade Roads of 2 <sup>nd</sup> District, Tanta	12/2021 – 07/2022	Gharbia Governorate	The National Co. for General Contracting and Supplies	•	•	•	•	•	•	•	•					
21	Flexible Pavement Works to Develop and Expand Al-Daba'a Axis for Distance of 260 Kms, from Kilometer (187+000) to Kilometer (204+000)	12/2021 – 06/2022	Al-Daba'a Axis, West Giza	The Egyptian Armed Forces Engineering Authority	•	•	•	•	•	•	•	•					
22	Road Pavement Works for Aswan – Toshki Highway	12/2021 – 03/2022	Toshki	The General Authority for Roads, Bridges, and Land Transportation	•	•	•		•	•	•	•					
23	Earthworks for El-Hammam Project, from Kilometer (93+000) to Kilometer (94+500)	12/2021 – 02/2022	West Delta	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•											
24	Flexible Pavement Works to develop and Upgrade Roads in Heliopolis and Sheraton Heliopolis Districts, Cairo	11/2021 – 03/2022	Cairo	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)			•	•	•	•	•	•					
25	Flexible Pavement Works for Cairo – Ismailia Rural Road (First Phase)	11/2021 – 02/2022	Cairo – Ismailia Rural Road	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					
26	Flexible Pavement Works for Al-Khossous – Qalyobia Axis	05/2021 – 10/2022	Al-Khossous Area, Qalyobia	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)			•	•		•	•	•					
27	Flexible Pavement Works for Matareya Axis, Cairo	05/2021 -03/2022	Matareya Area - Cairo	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)			•	•		•	•	•					
28	Road Pavement Works for Development Project of Old Mostorod Motorway (from Horreya Avenue Intersection to Lit. General El- Oraby Axis)	04/2021 – 08/2021	Mostorod - Qalyoubia	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					
29	Road Pavement Works for Middle Ring Road (from Autostrad Axis to Cairo-Fayoum Highway)	04/2021 – 08/2021	Middle Ring Road	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•		•	•	•	•					
30	Road Pavement Works for Alteration Project of Traffic Axes in Nasr City (Phase 3)	04/2021 – 07/2021	Cairo	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					
31	Road Pavement Works for Alteration Project of Traffic Axes in Heliopolis City (Phase 3)	02/2021 – 03/2021	Cairo	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					



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S/N	Project Name	Duration	Location	Contract Awarded by	Earthworks and Level Adjustment	Subgrade	Sub-Base/ Base Course	Scrap-ping Old Asphalt	Prime-Coat Layer (MC)	Binder Course	Tack-Coat Layer (RC)	Surface Asphaltic Course	Demolition of Old Concrete	On-grade Concrete Slabs	Concrete/ Concrete Joints	Concrete/ Asphalt Joints	Road Marking
32	Road Pavement Works for Toshki – East Oweynat Highway (Distance: 25km) from Kilometer (40+000) to Kilometer (65+000)	01/2021 – 12/2021	Toshki	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•		•	•	•	•					
33	Road Pavement Works for Alteration Project of Traffic Axes in Nasr City (Phase 4)	01/2021 – 04/2021	Cairo	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					
34	Road Pavement Works for Alteration Project of Traffic Axes in Heliopolis City (Phase 1)	02/2021 -03/2021	Cairo	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					
35	Earthworks for Excavation Project Branch (4) Canal in Toshki Region	11/2020 -03/2021	Toshki	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•											
36	Road Pavement Works in the Extension of Mohamed Naguib Axis, start of El-Sokhna Highway	10/2020 – 12/2020	Cairo	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•						•	•	•	
37	Road Flexible Pavement Works in Menoof City and Sirs-el- Layan City, Menofeya Governorate	09/2020 -12/2021	Menofeya	The Arab Organization for Industrialization	•	•	•	•	•	•	•	•					
38	Road Flexible Pavement Works for Road Construction in Mahalla Second District, Gharbiya Governorate	09/2020 -11/2021	Gharbiya	The National Co. for General Contracting and Supplies			•	•	•	•	•	•					
39	Road Flexible Pavement Works for Road Construction in Zefta City and Second District, Gharbiya Governorate	09/2020 – 11/2021	Gharbiya	The National Co. for General Contracting and Supplies			•	•	•	•	•	•					
40	Road Pavement Works on the International Coastal Road, Borg-El-Arab Region	09/2020 – 11/2020	Borg-El-Arab Region, West Alexandria	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•		•	•	•	•					
41	Earthworks for Samalot Upper Axis, on Nile Bank (Sixth Sector)	07/2020 – 01/2021	Menya	The General Authority for Roads, Bridges, and Land Transportation	•	•	•										
42	Road Pavement Works for Alteration Project of Traffic Axes in Heliopolis (Phase 3) from Kilometer (1+200) to Kilometer (3+500)	07/2020 – 09/2020	Cairo	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•	•	•					
43	Pavement Works for Internal Roads in "Levana" Zone, in "Up Town Cairo" Residential Compound	07/2020 – 11/2020	Cairo	Al-Shafar General Contracting (ASGC)		•	•		•	•	•	•					•
44	Earthworks at Middle Ring Road Sector (North 6 <sup>th</sup> October City – El-Daba'a) from Kilometer (04+000) to Kilometer (06+000)	07/2020 – 08/2020	Middle Ring Road	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•											
45	Road Pavement Works for Project of Traffic Axes Modification (Phase 1), Nasr City, Cairo	06/2020 - 08/2020	Nasr City, Cairo	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)			•	•	•	•	•	•					
46	Road Works for Middle Ring Road (Obour City – Belbis)	06/2020 - 08/2020	Middle Ring Road	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•		•	•	•	•					
47	Road Works on Jenefa Road Extension	06/2019 - 09/2019	Suez	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•		•	•	•	•					



									Pav	vemen	t Scop	e <b>of</b> W	/orks				
									Flexib	le Pav	ement		Ri	gid Pa	vement		
S/N	Project Name	Duration	Location	Contract Awarded by	Earthworks and Level Adjustment	Subgrade	Sub-Base/ Base Course	Scrap-ping Old Asphalt	Prime-Coat Layer (MC)	Binder Course	Tack-Coat Layer (RC)	Surface Asphaltic Course	Demolition of Old Concrete	On-grade Concrete Slabs	Concrete/ Concrete Joints	Concrete/ Asphalt Joints	Road Marking
48	Road Pavement Works for Industrial Waste Water Treatment Plant (Phase 2)	05/2019 – 11/2021	10 <sup>th</sup> Ramadan City	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•	•	•	•							
49	Road Works for Robeiky Leather Manufacturing City (First and Second Stages)	2017 - 2019	Ismailia Desert Road	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•		•	•	•	•					
50	Road Works for Second Stage of SUMED Expansion Project	2018	Al-Ain Al- Sokhna, Suez	The Petroleum Projects and Technical Consultancies Co. (PETROJET)		•	•		•	•	•	•					
51	Road Works (Prime Coat Layer MC30 and Binder Course) at Ahmed Hamdy Tunnel (2), Suez	10/2018 - 11/2018	Suez	Management Department of Ahmed Hamdy Tunnel (2)					•	•							
52	Road Works for Jenefa Road Development (Distance: 12 Kms.)	09/2018 - 01/2019	Suez	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•		•	•	•	•					
53	Road Marking Works for Internal Roads, Sharm El-Sheikh City	2018	Sharm El- Sheikh City	Military Production Co. for Projects and Engineering Consultancy and General Supplies													•
54	Road Construction (Distance: 25 Kms.) at El-Gady Axis, in Sinai Central Region	2017	Sinai Central Region	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)	•	•	•		•	•	•	•					
55	Internal Road Network for the Industrial Waste Water Treatment Plant	2014 - 2016	10 <sup>th</sup> of Ramadan City	10th of Ramadan City Authority	•	•	•		•	•	•	•					•
56	Flexible Pavement Repair and Re-construction for Internal Road Network, at Al-Waha District	2009 - 2011	Nasr City, Cairo	Nasr City Co. for Housing & Development		•	•	•	•	•							
57	Earthworks for Abu-Simbel Waste Water Treatment Plant	2009 - 2013	Abu-Simbel City, Aswan	Nasr Company for Buildings and Construction (EGYCo)	•												
58	Abu-Simbel Eastern and Western Seaports Pavement Construction	2009 - 2012	Abu-Simbel City, Aswan	The Egyptian Armed Forces Logistics Authority	•	•	•		•	•	•	•					
59	Infrastructure Networks, External/ Internal Road Networks, and Parking Areas, at New Heliopolis City (5th District)	2009 - 2010	New Heliopolis City, Cairo	Heliopolis City Co. for Housing & Development; and The General Nile Co. for Construction and Road Paving	•	•	•		•	•	•	•					
60	Construction of Container Yard (Interlock Tiled Area: 200,000 m²)	2006 - 2008	El-Ain Al- Sokhna, Suez	The Egyptian Company for Fertilizers (MOPCO)	•	•											
61	Area 1258 Re-pavement in 4 <sup>th</sup> District, Sheraton City	2006 - 2007	Sheraton Heliopolis, Cairo	Heliopolis City Co. for Housing & Development							•	•	•				
62	New Road Network for the Industrial Zone (First and Second Stages)	2004 - 2005	El-Ain Al- Sokhna City	ORASCOM Construction Industries Co.		•	•		•	•	•	•	•				
63	Internal Road Network for 3rd Housing Area, Badr City	2004	Badr City	Nasr Company for Buildings and Construction (EGYCo)			•		•	•	•	•					



### **EICW MAJOR PROJECTS FOR FLEXIBLE PAVEMENT AND EARTHWORK**













#### Project Photographs (Clockwise):

- 1 Airside (Apron and Runway Threshold) and Landside Road Network, Demolition and Re-construction at Hurghada International Airport
- 2,6 External Road Network for 5th District, at New Heliopolis City, Cairo; Searthworks and Level Adjustments for Abu-Simbel Waste Water Treatment Plant, Aswan
- 4 Internal Road Network for the Industrial Waste Water Treatment Plant, 10th of Ramadan City; Solve Road Works for Jenefa Road Development (Distance: 12Kms.), Suez



### **EICW MAJOR PROJECTS FOR FLEXIBLE PAVEMENT**













Project Photographs (Clockwise):

1,2, 5, 6 Sub-Base and Base Course for Road Works for Jenefa Road Development (Distance: 12Kms.), Suez

**4**, **5** Binder Course for External Road at Abu-Simble Airport, Aswan



### **EICW MAJOR PROJECTS FOR RIGID PAVEMENT**









### Project Photographs (Clockwise):

- On-grade Concrete Slabs for Thresholds Area of Main and Auxiliary Runways; and Military and Commercial Aprons, at El-Meliz Airbase;
- 2 On-grade Concrete Slabs for Thresholds Area of Main Runway at Salheya Airbase;
- 3 On-grade Concrete Slabs for Refrigerator Factory and Storage Complex, at the Logistics Co. for Storage Sevices, Abu-Rawash, Guiza;
- 4 Construction of On-grade Concrete Slabs for 12 nos. Apache Stands, at El-Meliz Airbase, Sinai



### **EICW PROJECTS IN-PROGRESS FOR AIRPORT PAVEMENT WORKS**

S/N	Project Name	Start Date	Location	Contract Awarded by
1	Rigid and Flexible Pavement Project at Luxor International Airport	11/2023	Luxor	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)
2	Rigid and Flexible Pavement Project for Strategic Command Apron and Helipads	07/2023	New Administrative Capital, Cairo	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)
3	Expansion and Development for Aprons, and Construction of Auxiliary Runways, at Hurghada International Airport	04/2021	Hurghada	The Egyptian Company for Airports

### **EICW PROJECTS IN-PROGRESS FOR ROAD PAVEMENT WORKS**

S/N	Project Name	Start Date	Location	Contract Awarded by
1	Flexible Pavement Works for "El-Borqan" Road Link – North Coast	10/2023	North Coast	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)
2	Road Works for Expansion of Vertical Road Link of El-Daba'a Axis to International Coastal Road (Distance: 27 Kms.) From Kilometer 0+000 to Kilometer 27+000	10/2023	El-Daba'a Axis – International Coastal Road	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)
3	Road Works to Develop and Upgrade Hassaballah El- Kafrawy Axis	10/2023	Ma'adi - Cairo	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)
4	Road Works to develop "Joseph Tito" Road	06/2023	Cairo	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)
5	Road Works to Develop Nahya Road (Distance: 4.5 Kms.), and Construction of Road Link from 26 <sup>th</sup> July Axis to Ring Road (Distance: 5 Kms.)	05/2023	Giza	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)
6	Road Works to Develop Surrounding Roads of Abu- Rawash District (Distance: 14 Kms.)	04/2023	Giza	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)
7	Road Works to Develop and Expand "Saft-el-Laban" Road	01/2023	Giza	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)
8	Rigid Pavement for Approach Roads to New Administrative Capital Railway Station	(Arranging to Start Execution)	New Administrative Capital, Cairo	The General Authority for Roads and Bridges
9	Road Works to Develop and Expand "El-Zakat Foundation" Roads	08/2022	El-Marg District - Qalyobia	The Egyptian Armed Forces Engineering Authority (represented by The Egyptian Army Corps of Engineers)



## EICW MAJOR PROJECTS FOR BUILDING CONSTRUCTION/ FINISHES, ELECTRO-MECHANICAL AND LANDSCAPE WORKS

							Civ	il & B	uildii	ng Sa	cope (	of Wo	orks		
							Re	esider	itial/ A	Admir	nistrat	ive Bı	uildin	gs	abe
N/S	Project Name	Duration	Location	Contract Awarded by	Fences	Roofing Structures	Earthworks	Foundation Structure	Reinforced Concrete Structure	Structural Steel Works	Finishing Works	Electro-mechanical Works	Potable Water	Sewage Network	Landscape: Hardscape & Softscape
1	Upgrade, Rehabilitation, Electro-mechanical Works, and Finishes for Buildings Nos. (1) and (5) at the National Academy for Training (NAT), 6 <sup>th</sup> October City	02/2020 – 01/2021	6 <sup>th</sup> October City	The National Academy for Training (NAT)			•			•	•	•	•	•	
2	Upgrade of Routes Leading to Passenger Hall No. 3, Cairo Airport	05/2020 - 06/2020	Cairo Airport	The Egyptian Armed Forces Engineering Authority	•					•	•	•			•
3	Erection of Steel Structure of 4 Nos. Communication Towers (Heights: 100, 120, and 140m.)	122019 - 01/2020	Sinai	The Egyptian Armed Forces Engineering Authority						•					
4	Construction of 16 Nos. Residential Buildings in Zone (R1), at the New Administrative Capital	12/2018	Zone (R1), New Administra- tive Capital, East Cairo	The Egyptian Armed Forces Engineering Authority			•	•	•		•	•	•	•	•
5	Upgrade and Development of VIP Hall, at Cairo International Airport	2018	Cairo International Airport	The Egyptian Armed Forces Engineering Authority	•		•	•	•	•	•	•	•	•	•
6	Upgrade and Development of Runway, CCR Building, and Generator Building, at Cairo International Airport	2018	Cairo International Airport	The Egyptian Armed Forces Engineering Authority				•	•		•	•	•	•	
7	Construction of the Egyptian Japanese School	2017-2018	Ismailia	The Egyptian Armed Forces Engineering Authority	•		•	•	•		•	•	•	•	
8	Construction of Mess Hall, Kitchen, Natural Gas Utility Room, at Infantry Training Center	2017-2018	Haikestep, Cairo/ Ismailia Road	The Egyptian Armed Forces Engineering Authority			•	•	•		•	•	•	•	
9	Fence Construction (Length: 17 Kms., Height: 4m) for Aswan Airbase and Aswan International Airport	2014-2015	Aswan	The Egyptian Air Forces (The Civil Engineering Department)	•		•								

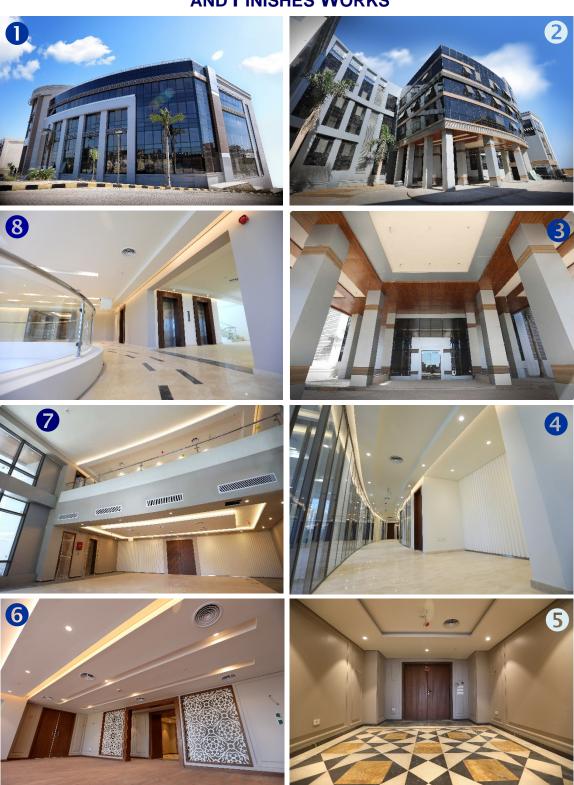


## EICW MAJOR PROJECTS FOR BUILDING CONSTRUCTION/ FINISHES, ELECTRO-MECHANICAL AND LANDSCAPE WORKS

							Civ	il & B	uildi	ng Sc	cope	of Wo	orks		
							Re	esider	ntial/ /	Admir	nistrat	ive B	uildin	gs	abe
N/S	Project Name	Duration	Location	Contract Awarded by	Fences	Roofing Structures	Earthworks	Foundation Structure	Reinforced Concrete Structure	Structural Steel Works	Finishing Works	Electro-mechanical Works	Potable Water	Sewage Network	Landscape: Hardscape & Softscape
10	Qwesna Terminal Roof Covering (Area: 3,000m²), at Qwesna Airbase	2013	Qwesna	The Egyptian Air Forces (The Civil Engineering Department)		•				•					
11	Construction of Paradise Hotel Building inside The Armed Forces Logistics Authority's Club House	2012-2015	Nasr City, Cairo	The Egyptian Armed Forces Logistics Authority			•	•	•	•	•	•	•	•	
12	Structural Steel Works for Assyut Courts Complex	2005-2006	Assyut City	Nile Co. for Construction and Real Estate Investments						•					
13	Development of Touristic Pathway and Southern Marinas, for Edfu City and Temple	2004	Edfu City, Luxor	Nasr Co.for Buildings and Construction (EGYCo), for The Egyptian Ministry of Culture											•
14	Treatment, Restoration and Adjustment of N.B. Tunnel Walls, Cairo Ring Road	2003	Cairo	Nasr General Co. for Contracting (Hassan M. Aallam), for The Egyptian Ministry of Housing					•		•				
15	Restoration, Injection and Insulation Works for Houses of Beit Al-Omma, and Gamal-el-Deen Al- Zahaby	1999	Cairo	Nasr General Co. for Contracting (Hassan M. Aallam), for The Egyptian Ministry of Culture							•				



## EICW MAJOR PROJECTS FOR BUILDING CONSTRUCTION AND FINISHES WORKS



Project Photographs (Clockwise):

1, 2, 3 Rehabilitation and Glazing of Façades for Buildings Nos. (1) and (5) at the National Academy for Training (NAT), 6<sup>th</sup> October City;

4 · 5 · 6 · 7 · 8 Upgrade and Rehabilitation of Electro-mechanical Works and Finishes for Buildings Nos. (1) and (5) at the National Academy for Training (NAT), 6<sup>th</sup> October City.



#### **EICW MAJOR PROJECTS FOR BUILDING CONSTRUCTION AND FINISHES WORKS**













### Project Photographs (Clockwise):

- 1,2,3 Construction of Paradise Hotel Building inside The Armed Forces Logistics Authority's Club House;
- 4, Construction of Mess Hall (serving 3000 persons), Kitchen, Natural Gas Utility Room, at Infantry Training Center;
- 5 Refrigerator Factory and Storage Complex, at the Logistics Co. for Storage Sevices, Abu-Rawash, Guiza;
- 6 Development of Touristic Pathway and Southern Marinas, for Edfu City and Temple, Luxor.



## EICW Major Projects for Building Construction/ Finishes and Electro-mechanical Works



Project Photographs (Clockwise):

1, 2, 3, 9 Upgrade and Development of CCR Building, and Generator Building, at Cairo International Airport;

**4**, **5**, **6** Erection of Steel Structure of 4 Nos. Communication Towers (Heights: 100, 120, and 140m.) Fence Construction for Edfu Temple, Luxor;

7,8 Fence Construction for Edfu Temple, Luxor.



### **EICW MAJOR PROJECTS FOR LANDSCAPE WORKS**



Project Photographs (Clockwise):

1,2,3,4,5,6,8 Hardscape and Softscape for Upgrade and Development of VIP Hall, at Cairo International Airport;

Development of Touristic Pathway and Southern Marinas, for Edfu City and Temple, Luxor.



### **EICW Projects for Building Construction and Finishes**







Project Photographs (Clockwise):

10, 2, 3, 4, 5 Construction and Finishing Works of 16 Nos. Residential Buildings in Zone (R1), at the New Administrative Capital



## EICW PROJECTS IN-PROGRESS FOR BUILDING CONSTRUCTION/ FINISHES, AND ELECTRO-MECHANICAL WORKS

S/N	Project Name	Start Date	Location	Contract Awarded by
1	Construction of Ramses International School, in New Administrative Capital	07/2023	New Administrative Capital, Cairo	Schools of Evangelical Synod of the Nile
2	Construction of 7 Nos. Premium Residential Buildings for Social Residence Project, Suez	12/2021	Suez	The Egyptian Armed Forces Engineering Authority represented by Egyptian Army Corps of Engineers
3	Construction of El-Manhal Commercial Center, Nasr City, Cairo	12/2021	Cairo	The Egyptian Armed Forces Engineering Authority represented by Egyptian Army Corpsof Engineers
4	Construction of 3 Nos. Residential Buildings for Social Residence Project "Ahalina", Shobra El-Kheima	07/2021	Qalyobiya	The Egyptian Armed Forces Engineering Authority represented by Egyptian Army Corps of Engineers
5	Construction of 22 Nos. Module (B) Residential Buildings for "Dar Misr" Project – Phase 3 – New Mansora City	02/2021	Mansora	Organization of New Urban Societies
6	Construction of 10 Nos. Residential Buildings at Badr City Extensions (East of Regional Road – Capital Parks)	09/2020	Badr City, East Cairo	Organization of New Urban Societies
7	Construction of 11 Nos. Residential Buildings at Badr City Extensions (East of Regional Road – Capital Parks)	09/2020	Badr City, East Cairo	Organization of New Urban Societies
8	Construction of "Pearl" Residential Complex for Staff of the National Bank of Egypt, October Garden City	02/2020	October Garden City, West Cairo	the National Bank of Egypt









Project Photographs (Clockwise):

1, 2, 3, 4 Construction and Complete Finishing Works of "Pearl" Residential Complex for Staff of the National Bank of Egypt, October Garden City Capital



### **EICW Major Projects for Infrastructure Networks and Utilities**

						Int	frastr	uctur	e Sco	ре о	f Wo	rks	
					lio		Infras	tructu	ıre Ne	twork			
N/S	Project Name	Duration	Location	Contract Awarded by	Excavation in all Types of Soil	Gravity Pipeline Sewers	Inspection Chambers	Potable Water	Irrigation	Natural Gas	Fire Fighting	Culvert Structures	Sewage Pumping Station
1	Repair Works for Runways and Irish Sections, and Construction of Culverts and Electricity Manholes – Al-Aareesh Airbase	10/2020 -01/2021	Al-Aareesh City	The Egyptian Armed Forces Engineering Authority	•		•					•	
2	Construction of Sanitary Landfill, Sharm El- Sheikh, South Sinai	06/2020	Sharm El- Sheikh, South Sinai	The Arab Organization for Industrialization	•								
3	Natural Gas Network for Pyramids Gardens Residential District	2018	Pyramids Gardens, Giza	Cairo Gas Co.	•					•			
4	Natural Gas Network for Sectors (34) and (35), in New Sadaqa District	2018	Aswan	Egypt Gas Co.	•					•			
5	Main Natural Gas Feeder for Esna City	2018	Esna City, Luxor	Egypt Gas Co.	•					•			
6	Natural Gas Network for the Districts of Mit-El- Korama and Goger	2018	Dakahleya	Egypt Gas Co.	•					•			
7	Sewage Main Pipeline (Dia. 1500 mm), from Cairo/ Suez Road to Nasr Gardens	2012	Cairo/ Suez Road	Nasr Co. for Utilities and Fittings	•	•	•						
8	2 Nos. Pumped Sewage Main Pipelines, Abu- Simbel Touristic City	2007	Abu-Simbel, Aswan	Nasr Company for Buildings and Construction (EGYCo)	•	•	•						
9	Infrastructure and Internal Road Network for 5 <sup>th</sup> District, at New Heliopolis City	2009 - 2010	New Heliopolis City, Cairo	The General Nile Co. for Construction and Road Paving	•	•	•	•	•		•		
10	Potable Water Pipelines for Seven (7) Water Treatment Plants, for Remote Villages	2004 - 2005	South of Upper Egypt	The Arab Organization for Industrialization [Owner: The National Organization for Potable Water & Sanitary Drainage (NOPWASD)]	•			•					



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### **EICW Major Projects for Infrastructure Networks and Utilities**

			Inf	rastr	uctur	e Sco	ope o	f Wo	rks				
					lio li		Infrastructure Network						
N/S	Project Name	Duration	Location	cation Contract Awarded by	Excavation in all Types of Soil	Gravity Pipeline Sewers	Inspection Chambers	Potable Water	Irrigation	Natural Gas	Fire Fighting	Culvert Structures	Sewage Pumping Station
11	Development of Infrastructure, Construction of Sewage Pumping Stations, and Sewage Networks, for Abu-Simbel Touristic City:  Five (5) Sewage Pumping Stations;  Sewage Treatment Plant;  Settling Basin;  Gravity Pipeline (Length: 25 Kilometer).	2003 - 2005	Abu-Simbel, Aswan	Nasr Company for Buildings and Construction (EGYCo), (Owner: NOPWASD)	•	•							•



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### **EICW Major Projects for Infrastructure Networks**













Project Photographs (Clockwise):

- 10, 22 Sewage Pipeline (Dia. 1.8m) for Taj-Sultan City, Cairo;
- 3, 6 Main Pressurized Sewage Pipeline, Badr City, Cairo;
- **4**, **5** Potable Water Pipeline for the 5<sup>th</sup> District, New Heliopolis City, Cairo.



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### **EICW Projects In-Progress for Infrastructure Networks and Utilities**

S/N	Project Name	Start Date	Location	Contract Awarded by
1	Construction Works of Toshki Lock	12/2021	Toshki	The Egyptian Armed Forces Engineering Authority
2	Construction of Water Culverts and Protection Works against Flash Floods, at El-Meliz Airbase	11/2021	El-Meliz, Sinai	The Egyptian Armed Forces Engineering Authority
3	Gas Networks (Medium Pressure) in Kafr Shobek- Shebeen El-Qanater – Qalyobia Governorate	08/2021	Qalyobia	Misr Gas Co.
4	Construction of Quhafa Water Treatment Station	07/2021	Fayoum	The National Organization for Military Production [Owner: The National Organization for Potable Water & Sanitary Drainage (NOPWASD)]
5	Sewage pipeline, and Pumping Station in Awlad- Ebrahim Village (West of Village), Assyut	08/2020	Assyut	El-Nasr Co. for General Contracting (Hassan Aallam)











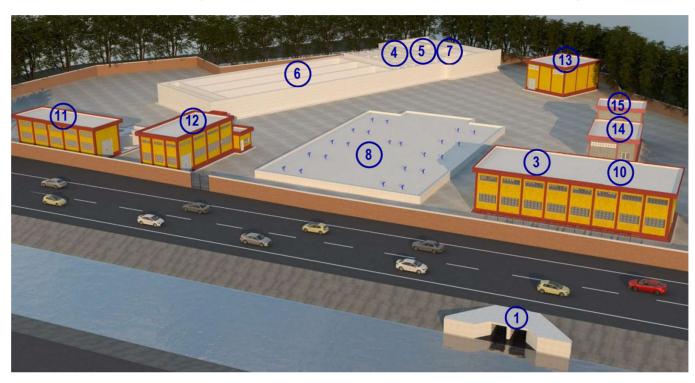
Project Photographs (Clockwise):

**1**, **4**, **5** Construction of reinforced-concrete wet well, for project of Sewage Network and Sewage Pumping Station in Awlad-Ebrahim Village (West of Village), in Assyut.

**2**, **3** Installation of 900-mm uPVC pipes, for project of Sewage Network and Sewage Pumping Station in Awlad-Ebrahim Village (West of Village), in Assyut.



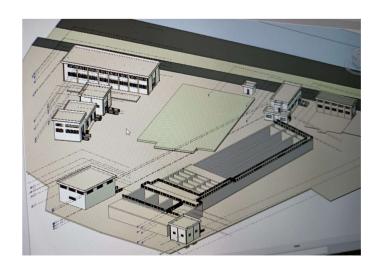
## EIC W PROJECTS IN-PROGRESS FOR INFRASTRUCTURE NETWORKS AND UTILITIES Construction Project of Quhafa Water Treatment Station (Fayoum)



Quhafa Water Treatment Station (Fayoum) is designed to operate with clarifier system and sand filters, in compliance with American specifications and designs to supply 120,000 capita daily with 60,000 m<sup>3</sup> of potable water.

#### The project consists of the following elements:

- 1. Raw water intake
- 2. Low-pressure pump pit
- 3. Low-pressure pump chamber
- 4. Rapid stirring tank
- 5. Slow stirring basin
- 6. Sedimentation basins
- 7. Filter building
- 8. Ground tank
- 9. High-pressure suction pump pit
- 10. High-pressure pump chamber
- 11. Sludge sweeping pit
- 12. Chlorination building
- 13. Chemical treatment building
- 14. Generator building
- **15.** Transformer building





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### EICW PRODUCTION OF PRE-STRESSED CONCRETE RAILWAY TIES USING CAROUSEL-SYSTEM PRODUCTION LINE

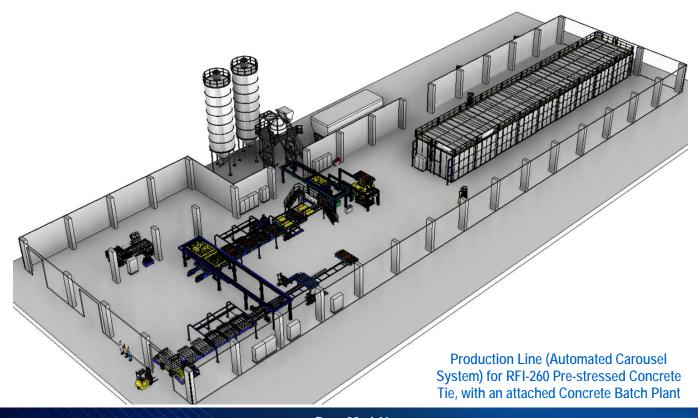
In March 2022, EICW signed the contract with the Egyptian National Authority for Tunnels (NAT) to manufacture 1,000,000 (one million) RFI-260 railway ties, in compliance with European Norms EN13230, for the High-Speed Train Project (Phase 1: from Sokhna region, passing by 6<sup>th</sup> October City, to Marsa-Matrouh City).

In October 2023, production of pre-stressed concrete railway ties started using technology of "Automated Carousel System" established by WEGH Group (Italy). This technology is considered as a top-notch method to manufacture railway ties, as it guarantees delivering a high-quality concrete product (designed and manufactured to serve on a train railway with a high speed of 250 – 300 km/hr.) while controlling the cost, and reducing loss in materials and power to the minimum level.





This leads to protecting the environment, delivering value added to the Client and the manufacturer. The daily production rate may reach 1,200 ties.





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## STAGES OF MANUFACTURING PRE-STRESSED CONCRETE RAILWAY TIES USING CAROUSEL-SYSTEM PRODUCTION LINE













#### Photographs for Production Stages (Clockwise):

- Placing tie reinforcement and steel accessories before pre-stressing steel wires;
- 2 Concrete pouring inside gang mold that produces 4 railway ties; 3 Gang molds placed inside steam-curing chambers;
- 4 The machine de-molding railway ties after being moved out of steam-curing chambers;
- 5 Stack of railway ties being prepared to be moved to storage area;
- **6** Storage area of manufactured pre-stressed concrete railway ties.



### **EICW OWNED PLANT & EQUIPMENT**

#### A. MIXING PLANTS AND CRUSHERS

S/N	Plant Type	Make Model		Productivity	Manufactu- ring Year
1	Asphalt Batch Plant	E-MAK	E-MAK Asphalt Plant Type EAP 124	120 Ton/hr.	2021
2	Asphalt Batch Plant	ELIBOL	ELIBOL Asphalt Plant	120 Ton/hr.	2021
3	Asphalt Batch Plant	E-MAK	E-MAK Asphalt Plant Type EAP 164	160 Ton/hr.	2020
4	Asphalt Batch Plant	TTM	TTM Asphalt Plant LB 1500	120 Ton/hr.	2015
5	Mobile Concrete Batch Plant	Frumecar	Frumecar Modulmix 3000C	120 m³/hr.	2021
6	Mobile Concrete Batch Plant	ELKON	ELKON Mobile Master - 100 Lion	100 m <sup>3</sup> /hr.	2016
7	Stone Crusher	TEK-EL-MAKINA	TEK-EL-MAKINA TDK 11-15	240 Ton/hr.	2021
8	Stone Crusher	TEK-EL-MAKINA	TEK-EL-MAKINA TDK 11-15	240 Ton/hr.	2019

### **B.** EARTH MOVING EQUIPMENT

S/N	Equipment Type	Make	Model	Power Rating	Manufactu- ring Year
9	Grader	Komatsu	Komatsu GD755-5R	213 kW	2022
10	Grader	Komatsu	Komatsu GD755-5R	213 kW	2022
11	Grader	Komatsu	Komatsu GD755-5R	213 kW	2022
12	Grader	Komatsu	Komatsu GD755-5R	213 kW	2022
13	Grader	Komatsu	Komatsu GD755-5R	213 kW	2021
14	Grader	Komatsu	Komatsu GD755-5R	213 kW	2021
15	Grader	Komatsu	Komatsu GD755-5R	213 kW	2020
16	Grader	Komatsu	Komatsu GD755-5R	213 kW	2020
17	Grader	Komatsu	Komatsu GD755-5R	213 kW	2018
18	Grader	Caterpillar	CAT 14M2	146 kW	2012
19	Grader	Caterpillar	CAT 140H	179 kW	2007
20	Grader	Caterpillar	CAT 140H	179 kW	2002
21	Grader	Caterpillar	CAT 140H	138 kW	2002
22	Loader	Volvo	Volvo L90F	129 kW	2021
23	Loader	Caterpillar	CAT 972L	329 kW	2018
24	Loader	Caterpillar	CAT 950GC	151 kW	2018
25	Loader	Caterpillar	CAT 938H	126 kW	2021
26	Loader	Caterpillar	CAT 938H	126 kW	2011
27	Skid-steer Loader	Caterpillar	CAT 246B	85 kW	2003
28	Skid-steer Loader	Bobcat	S770E	68.8 kW	2019
29	Skid-steer Loader	Bobcat	S770E	68.8 kW	2019
30	Skid-steer Loader	Bobcat	S770B	68.8 kW	2020
31	Vibratory Soil Roller	BOMAG	BW 212 D-40	98 kW	2020
32	Vibratory Soil Roller	BOMAG	BW 212 D-40	98 kW	2020
33	Vibratory Soil Roller	BOMAG	BW 212 D-40	98 kW	2017
34	Vibratory Soil Roller	BOMAG	BW 212 D-40	98 kW	2017
35	Vibratory Soil Roller	HAMM	Hamm 3412	98 kW	2006
36	Vibratory Soil Roller	BITELLE	Bittele	95 kW	1998
37	Vibratory Soil Roller	JCB	JCB 116D	85 kW	2021
38	Vibratory Soil Roller	JCB	JCB 116D	85 kW	2021
39	Excavator	Volvo	Volvo EC240BLC	168 HP	2014



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### C. CONCRETE PAVING EQUIPMENT

S/N	Equipment Type	Make	Model	Power Rating	Manufactu- ring Year
40	Concrete Paver Machine (Width up to 12m)	Wirtigen	WIRTIGEN sp-1200	224kW	2014

#### D. ASPHALT PAVING EQUIPMENT

S/N	Equipment Type	Make	Model	Power Rating	Manufactu- ring Year
41	Bitumen Sprayer/ Transport Truck	Massenza	Type "C"	8000 lit.	2020
42	Bitumen Sprayer/ Transport Truck	Massenza	Type "C"	8000 lit.	2020
43	Asphalt Tandem Roller	BOMAG	BOMAG BW 161 AD-50 (10 Tons)	103 kW	2022
44	Asphalt Tandem Roller	BOMAG	BOMAG BW 161 AD-50 (10 Tons)	103 kW	2021
45	Asphalt Tandem Roller	BOMAG	BOMAG BW 161 AD-50 (10 Tons)	103 kW	2020
46	Asphalt Tandem Roller	BOMAG	BOMAG BW 161 AD-50 (10 Tons)	103 kW	2017
47	Asphalt Tandem Roller	BOMAG	BOMAG BW 202 AD-4 (12 Tons)	100 kW	2022
48	Asphalt Tandem Roller	BOMAG	BOMAG BW 202 AD-4 (12 Tons)	100 kW	2022
49	Asphalt Tandem Roller	BOMAG	BOMAG BW 202 AD-4 (12 Tons)	100 kW	2020
50	Asphalt Tandem Roller	DYNAPAC	DYNAPAC CC 422HF (12 Tons)	92 kW	2003
51	Asphalt Tandem Roller	BOMAG	BOMAG BW 141 AD-50	55 kW	2020
52	Asphalt Tandem Roller	BOMAG	BOMAG BW 120 AD-5 (3 Tons)	24 kW	2021
53	Asphalt Tandem Roller	BOMAG	BOMAG BW 120 AD-5 (3 Tons)	24 kW	2021
54	Asphalt Tandem Roller	BOMAG	BOMAG BW 120 AD-5 (3 Tons)	24 kW	2021
55	Asphalt Tandem Roller	BOMAG	BOMAG BW 120 AD-5 (3 Tons)	24 kW	2021
56	Asphalt Tandem Roller	BOMAG	BOMAG BW 120 AD-5 (3 Tons)	24 kW	2020
57	Asphalt Tandem Roller	BOMAG	BOMAG BW 120 AD-5 (3 Tons)	24 kW	2000
58	Pneumatic Asphalt Roller	BOMAG	BOMAG BW 24 RH (24 Tons)	75 kW	2022
59	Pneumatic Asphalt Roller	BOMAG	BOMAG BW 24 RH (24 Tons)	75 kW	2021
60	Pneumatic Asphalt Roller	BOMAG	BOMAG BW 24 RH (24 Tons)	75 kW	2021
61	Pneumatic Asphalt Roller	BOMAG	BOMAG BW 24 RH (24 Tons)	75 kW	2021
62	Pneumatic Asphalt Roller	BOMAG	BOMAG BW 24 RH (24 Tons)	75 kW	2020
63	Pneumatic Asphalt Roller	BOMAG	BOMAG BW 24 RH (24 Tons)	75 kW	2017
64	Asphalt Paver/ Finisher (up to 11-m width)	VÖGELE	VÖGELE Super 1900-3L	151 kW	2021
65	Asphalt Paver/ Finisher (up to 10-m width)	VÖGELE	VÖGELE Super 1800-3	127 kW	2021
66	Asphalt Paver/ Finisher (up to 10-m width)	VÖGELE	VÖGELE Super 1800-3	127 kW	2021
67	Asphalt Paver/ Finisher (up to 6-m width)	BOMAG	BOMAG BF800C-S600	135 kW	2020
68	Asphalt Paver/ Finisher (up to 6-m width)	BOMAG	BOMAG BF800C-S600	135 kW	2020
69	Asphalt Paver/ Finisher (up to 6-m width)	BOMAG	BOMAG BF800C-S600	135 kW	2017
70	Asphalt Saw Cutter	Honda	Honda-450 TKC	5 kW	-

#### **E. POWER GENERATORS**

S/N	Equipment Type	Make	Model	Power Rating	Manufactu- ring Year
71	Power Generator	Caterpillar	3412C	810 kW	2020
72	Power Generator	Volvo	TAD1642GE	650 kVA	2020
73	Power Generator	LOXAM	TAD1631GE	500 kVA	2007
74	Power Generator	Perkins	DK51436	450 kVA	1998



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S/N	Equipment Type	Make	Model	Power Rating	Manufactu- ring Year
<b>75</b>	Power Generator	Caterpillar	3406C	362 kVA	2012
76	Power Generator	Perkins	SGK060225U4934A	330 kVA	1998
77	Power Generator	VISA	Galaxy – P 105 GX	100 kVA	2020
78	Power Generator	Himoinsa	HFW-100	100 kVA	2020
79	Power Generator	COGEM	BD-90.5 SV	60 kVA	2021
80	Power Generator	Olympian	OLY00000K11801508	80 kVA	2010
81	Power Generator	Cummins	4BT3.3-G3	68 kVA	2011
82	Power Generator	COGEM	PE-66.5 SV	60 kVA	2013
83	Power Generator	IVECO	NEF45SM1A	60 kVA	2020
84	Power Generator	IVECO	BI-66-T	60 kVA	2020
85	Power Generator	MOSA	GE 55 PS	51 kVA	2021
86	Power Generator	Perkins	3126	50 kVA	2015
87	Power Generator	John Deer	CD3029DF	30 kVA	2012

### F. AUXILIARY EQUIPMENT

S/N	Equipment Type	Make	Model	Power Rating	Manufactu- ring Year
88	Air Compressor	Atlas Copco	Atlas Copco XAS-137-KD	71 kW	2017
89	Air Compressor	Atlas Copco	Atlas Copco XAS 37-47KD	65 kW	2012

### **G.** TRAILERS AND TRUCKS

		1		ı	
S/N	Equipment Type	Make	Model	Power Rating	Manufactu- ring Year
90	Concrete Pump	EVERDIGM	EVERDIGM	410 HP	2016
91	Flatbed Trailer	Mercedes Benz	ACTROS 4048S	476 HP	2018
92	Hauling Double Trailer (Load: 44 m³)	Mercedes Benz	ACTROS 4048S	476 HP	2011
93	Hauling Double Trailer (Load: 32 m³)	Mercedes Benz	ACTROS 3348S	410 HP	2021
94	Hauling Double Trailer (Load: 32 m³)	Mercedes Benz	ACTROS 3348S	410 HP	2012
95	Hauling Truck (Load: 20 m <sup>3</sup> )	Mercedes Benz	AROCS 4048K	476 HP	2021
96	Hauling Truck (Load: 20 m <sup>3</sup> )	Mercedes Benz	AROCS 4048K	476 HP	2021
97	Hauling Truck (Load: 20 m <sup>3</sup> )	Volvo	FMX D13	400 HP	2021
98	Hauling Truck (Load: 20 m <sup>3</sup> )	Volvo	FMX D13	400 HP	2021
99	Hauling Truck (Load: 20 m <sup>3</sup> )	Volvo	FMX D13	400 HP	2021
100	Concrete Transit Mixer	Mercedes Benz	ACTROS 4140S	410 HP	2018
101	Concrete Transit Mixer	Mercedes Benz	ACTROS 4140S	410 HP	2018
102	Concrete Transit Mixer	Mercedes Benz	ACTROS 4140S	410 HP	2018
103	Concrete Transit Mixer	Mercedes Benz	ACTROS 4140S	410 HP	2016
104	Concrete Transit Mixer	Mercedes Benz	ACTROS 3241S	410 HP	2014
105	Tractor with Water Tank	Belarus	Belarus	-	-
106	Tractor	Deutz-fahr	Deutz-fahr	92 HP	2006
107	Tractor	Deutz-fahr	Deutz-fahr	92 HP	2006
108	Water Tank Truck (12 m <sup>3</sup> )	Mercedes Benz	Mercedes Benz	-	-
109	Water Tank Truck (8 m³)	Tanta Motors	Tanta Motors	-	-
110	Water Tank Truck (8 m³)	Tanta Motors	Tanta Motors	-	-



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### **EICW OWNED PLANT & EQUIPMENT**

#### A. MIXING PLANTS AND CRUSHERS









2 Nos. Asphalt Batch Plants:

- E-MAK Asphalt Plant Type EAP 164
- E-MAK Asphalt Plant Type EAP 124

1 No. Asphalt Batch Plants TTM Asphalt Plant LB 1500

1 No. Concrete Batch Plant **ELKON Mobile Master - 100 Lion** 

2 Nos. Stone Crushers **TEK-EL-MAKINA TDK 11-15** 



1 No. Concrete Batch Plant Frumecar Modulmix 3000C

#### **B. EARTH MOVING EQUIPMENT**



9 Nos. Graders Komatsu GD755-5R



1 No. Grader **CAT 14M2** 



3 Nos. Graders **CAT 140H** 



1 No. Loader Volvo L90F



1 No. Loader **CAT 972L** 



1 No. Loader



2 Nos. Loaders **CAT 938H** 



1 No. Skid-steer Loader **CAT 246B** 



3 Nos. Skid-steer Loaders **Bobcat S770E** 



1 No. Excavator Volvo EC300E



3 Nos. Vibratory Soil Rollers **BOMAG BW 212 D-40** 



1 No. Vibratory Soil Roller **HAMM 3412** 



2 Nos. Vibratory Soil Roller **JCB 116D** 



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### C. CONCRETE PAVING EQUIPMENT

1 No. Concrete Paver Machine (Width up to 12m) WIRTIGEN SP-1200



#### D. ASPHALT PAVING EQUIPMENT



2 Nos. Bitumen Sprayer/ Transport Trucks
Massenza Type "C"



4 Nos. Asphalt Tandem Rollers BOMAG BW 161 AD-50 (10 Tons)



3 No. Asphalt Tandem Roller BOMAG BW 202 AD-4 (12 Tons)



1 No. Asphalt Tandem Roller DYNAPAC CC 422HF (12 Tons)



1 No. Asphalt Tandem Roller BOMAG BW 141 AD-50



6 No. Asphalt Tandem Rollers BOMAG BW 120 AD-5 (3 Tons)



6 Nos. Pneumatic Asphalt Rollers BOMAG BW 24 RH (24 Tons)



2 Nos. Asphalt Pavers (up to 10-m width) VÖGELE Super 1800-3



1 No. Asphalt Paver (up to 11-m width) VÖGELE Super 1900-3L



3 Nos. Asphalt Pavers (up to 6-m width) BOMAG BF800C-S600



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### **E. POWER GENERATORS**



1 No. Caterpillar 3412 (810 kVA)



Caterpillar 3406 (362 kVA)



COGEM BD-90.5 SV (90 kVA)



Volvo TAD1642GE (650 kVA)



VISA Galaxy-P105 GX (100 kVA)



IVECO NEF45SM1A (60 kVA)



Volvo TAD1631GE (500 kVA)



HIMOINSA HFW-100 (100 kVA)



IVECO NEF45SM1A (60 kVA)

### F. TRAILERS, TRUCKS, AND AUXILIARY EQUIPMENT



5 Nos. Concrete Transit Mixers Mercedes Benz



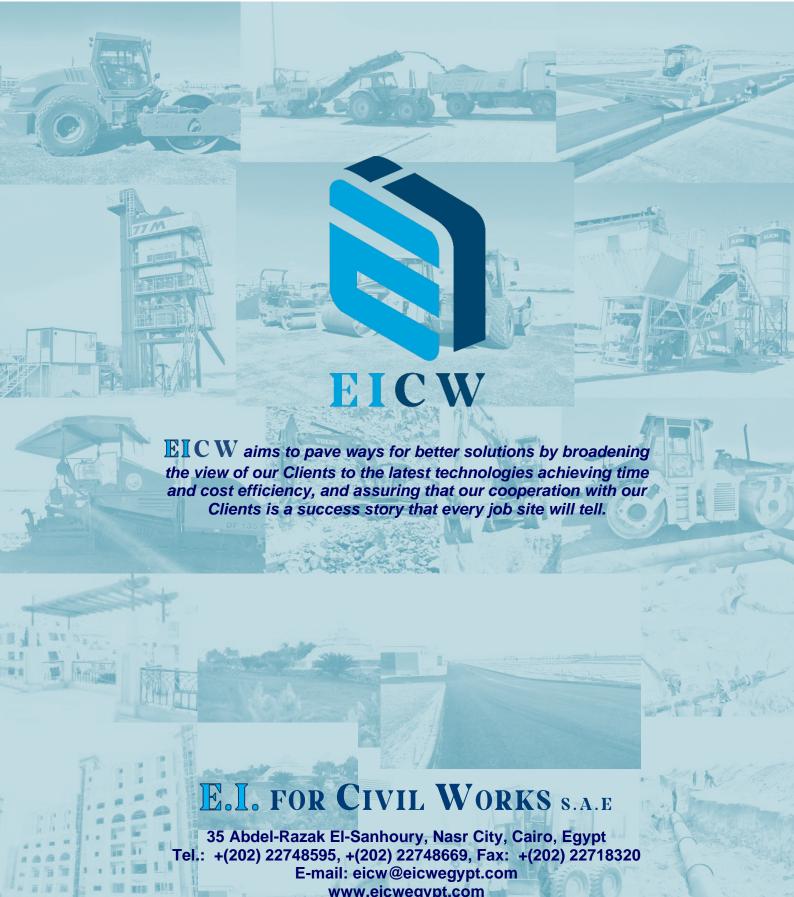
3 Nos. Hauling Trucks (Load: 20 m³) Volvo FMX D13



2 Nos. Air Compressors Atlas Copco



1 No. Concrete Pump EVERDIGM



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