



Reference List for Infrastructure, Special Buildings and Industry projects

Reference List for Infrastructure, Special Buildings and Industry projects

Project Name	Project Description Scope of work	Client	Status
King Abdullah International Gardens	Structural shop drawings	Zaid Al Hussain	Ongoing
Al Mutlaq Farm House	Complete design and consultation services including Architecture, Civil and Electromechanical systems	Al-Al Mutlak (Al Fanar Co. Owner)	Ongoing
Installation of Solar Plant at El Farafra, Egypt	Complete design and consultation services in addition to Site supervision	Egyptian Countryside Development Co. (شركة تنمية الريف المصري الجديد)	Ongoing

Reference List for Infrastructure, Special Buildings and Industry projects

Project Name	Project Description Scope of work	Client	Status
El Tor Farms	Infrastructure design package in addition to Site supervision	Egyptian Countryside Development Co. (شركة تنمية الريف المصري الجديد)	Ongoing

Reference List for Infrastructure, Special Buildings and Industry projects

Project Name	Project Description Scope of work	Client	Status
National Bank of Egypt, Badr City Branch, Badr City	Architecture, Structural and MEP design package in addition to Site supervision	NBE (البنك الأهلي المصري)	Ongoing
عقد الأعمال الإستشارية لمشروعات المؤسسة العلاجية - وزارة الصحة و السكان في الفترة من مارس 2022 و حتى مارس 2025 Consultation services contract for Curative Organization, Ministry of Health and Population of Egypt from March 2022 up to March 2025	Complete consultaiton package in addition to site supervision	Curative Organization, Ministry of Health and Population of Egypt (المؤسسة العلاجية)	Ongoing
National Bank of Egypt, Kafr Saad Branch, Demiatta	Architecture, Structural and MEP design package in addition to Site supervision	NBE (البنك الأهلي المصري)	Ongoing
Onix for Marbles and Granite	Consultaiton services and site supervision	Onix	Completed

Reference List for Infrastructure, Special Buildings and Industry projects

Project Name	Project Description Scope of work	Client	Status
National Bank of Egypt, Belbais Branch, Al Sharqiyah	Architecture, Structural and MEP design package in addition to Site supervision	NBE (البنك الأهلي المصري)	Completed
MAVEN Cables Factory	Structure and MEP design package in addition to site supervision	MAVEN Cables Factory	Completed
La Mirada Mall, New Cairo, 5th settlement	MEP design package	بلازا للإستثمار العقاري و السياحي	Completed
Vivens Mall, El Shroukh	MEP design package	Arch Space / Arab Contractors for Development	Completed
National Bank of Egypt, Stadium branch, Tanta, Al Gharbiah	Architecture, Structural and MEP design package in addition to Site supervision	NBE (البنك الأهلي المصري)	Completed
National Bank of Egypt, Qillin Branch, Kafr El Sheikh	Architecture, Structural and MEP design package in addition to Site supervision	NBE (البنك الأهلي المصري)	Ongoing

Reference List for Infrastructure, Special Buildings and Industry projects

Project Name	Project Description Scope of work	Client	Status
National Bank of Egypt, 23rd July Branch, Portsaid	Architecture, Structural and MEP design package in addition to Site supervision	NBE (البنك الأهلي المصري)	Completed
National Bank of Egypt, Ahmad Oraby Branch, Zagazig, Al Sharqiyah	Architecture, Structural and MEP design package in addition to Site supervision	NBE (البنك الأهلي المصري)	Ongoing
Clube House	Architecture and 3D Interior design	Private (Jordan)	Completed
Administration building	Architecture and 3D Interior design	Private (New Cairo)	Completed
Private Nursery	Architecture and 3D Interior design in addition to site supervision	Private	Completed
El Shiekh Zayed Great Mosque at Al Buruj	Value Engineering and redesign MEP package including Preparation of specifications and BOQ.	MDD Arch. / Capital Properties	Completed

Reference List for Infrastructure, Special Buildings and Industry projects

Project Name	Project Description Scope of work	Client	Status
MAADEN; Mansourah-Massarrah mines gold plant	Complete Infrastructure and MEP Design package.	SIEMENS	Completed
(Gulf Cooperation Council) GCC Lab	Complete Infrastructure and MEP Design package.	SIEMENS	Completed
Housing and Development Bank (HDB) Branch, El Soudan street	Complete Design package including Preparation of specifications and BOQ.	Housing and Development Bank (HDB) (Egypt)	Completed
Kharafy Administration building	Architecture and Civil Design package.	Kharafy National (Egypt)	Completed
Rock Vera Compound	MEP Design package.	Al Batal	Completed
Rose Hills Compound	Design Review, Value Engineering and Site supervision	RAWAS Group	Completed

Reference List for Infrastructure, Special Buildings and Industry projects

Project Name	Project Description Scope of work	Client	Status
Design Review for solar plant located at Union National Bank (UNB) Head office	Design review.	Union National Bank (UNB) (Egypt)	Completed
Youth Housing in 15 May city	Complete Design and work shop drawings in addition to site supervision	MEG	Completed
Leeds British School	Complete Design and work shop drawings in addition to site supervision	MEG	Completed
Villa 479 Golf Extension	MEP Design package.	UECC (Palm Hills)	Completed
Assessment of Fire fighting systems for 40 sites of North Cairo Electricity Co	Assessment of fire fighting systems for 40 sites	North Cairo Electricity Co.	Completed
Marasy Distribution Building	Complete design package up to as built stage.	Kharafy National (Egypt)	Completed

Reference List for Infrastructure, Special Buildings and Industry projects

Project Name	Project Description Scope of work	Client	Status
Mall of Egypt	Consultation services	ABB (Egypt)	Completed
King Abdel-Aziz International Airport Buildings	Work shop drawings and As Built drawings	BEMCo (KSA)	Hold
Yanbu Phase-1 Housing Compound	Complete design package up to as built stage.	Al Fanar (KSA)	Completed
Hawary residential area	Design services and Site supervision	SAJA Electric for Contracting	Completed
Gabry residential area	Design services and Site supervision	SAJA Electric for Contracting	Completed
Shadeed Iron & Steel factory in Oman	Reinforcement of 33kV network.	ABB (KSA)	Completed

Reference List for Infrastructure, Special Buildings and Industry projects

Project Name	Project Description Scope of work	Client	Status
Haramin High speed Railway station	Complete design package up to as built stage.	SIEMENS	Completed
Reinforcement of Saudi Railways substation	Design services	ABB (KSA)	Completed
Reinforcement of King Saud University	Design services	ABB (KSA)	Completed
Reinforcement of Riyadh Hospital	Design services	ABB (KSA)	Completed
King Abdullah Sport city SASC	Design services	Al Jihaz (KSA)	Completed
Provision of second power source for PSDP, MARAFIQ, YANBU	Complete design package up to as built stage	ABB (KSA)	Completed



**Reference List for OHTL and UGC projects
(Kingdom of Saudi Arabia)**

Reference List for Over Head Transmission Lines and Under Ground Cables projects

Project Name	Project Description Scope of work	Client	Status
Interconnection of Kidana Group (Mina-5) 110kV with 110kV network	Complete design package	Al Gihaz (KSA)	Ongoing
Interconnection of Kidana Group (Mina-6) 110kV with 110kV network	Complete design package	Al Gihaz (KSA)	Ongoing
Interconnection of Kidana Group (Mina-7) 110kV with 110kV network	Complete design package	Al Gihaz (KSA)	Ongoing
Interconnection of Kidana Group (Arafat-4) 110kV with 110kV network	Complete design package	Al Gihaz (KSA)	Ongoing
Interconnection of Kidana Group (Arafat-5) 110kV with 110kV network	Complete design package	Al Gihaz (KSA)	Ongoing
Interconnection of Al Nazeem 380kV with 380kV network	Complete design package	L&T (KSA)	Ongoing
132kV OHTL/UGC for NEOM PSSB substation in NEOM Tabuk Area	Complete design package	NESMA (KSA)	Ongoing

Reference List for Over Head Transmission Lines and Under Ground Cables projects

Project Name	Project Description Scope of work	Client	Status
132kV OHTL/UGC for NEOM PSSA substation in NEOM Tabuk Area	Complete design package	NESMA (KSA)	Ongoing
Interconnection of Rabigh-2; 380kV with Makkah Housing & Jeddah North East 380kV (UGC)	Complete design package	Linxon (KSA)	Ongoing
Interconnection of Qassim 132kV with 132kV network	Complete design package	L&T (KSA)	Ongoing
Interconnection of Rua Al Madinah (RMD-1) 110kV Substation with 110kV network	Complete design package	Al Babtin (KSA)	Ongoing
Interconnection of Rua Al Madinah (RMD-2A) 110kV Substation with 110kV network	Complete design package	Al Babtin (KSA)	Ongoing
Interconnection of Rua Al Madinah (RMD-2B) 110kV Substation with 110kV network	Complete design package	Al Babtin (KSA)	Ongoing
Interconnection of Rua Al Madinah (RMD-3) 110kV Substation with 110kV network	Complete design package	Al Babtin (KSA)	Ongoing

Reference List for Over Head Transmission Lines and Under Ground Cables projects

Project Name	Project Description Scope of work	Client	Status
Interconnection of Yanbu 380kV with 380kV network	Complete design package	L&T (KSA)	Ongoing
380kV Over Head Transmission Lines for Qiddiya project	Complete design package	TDP (KSA)	Ongoing
132kV Under Ground Cables for Qiddiya project	Complete design package	TDP (KSA)	Ongoing
Al Henakiyah PV 380kV OHTL	Complete design package	Kalbataro - labn Omiarah (KSA)	Ongoing
Al Kahafa (9099) 380-132 kV; 380 OHTL	Complete design package	Al Babtin (KSA)	Ongoing
132kV OHTL for Tabarjal-B SS	Complete design package	Al Babtin (KSA)	Ongoing
380kV UGC from KND cut point to ADL BSP	Complete design package	Al Shairef (KSA)	Completed

Reference List for Over Head Transmission Lines and Under Ground Cables projects

Project Name	Project Description Scope of work	Client	Status
Faraa - Abha East 380kV OHTL/UGC	Complete design package for OHTL & UGC portions.	Al Gihaz (KSA)	Completed
NIC Circle -Dhuba Green 380kV OHTL	Complete design package for OHTL.	Al Sharief-KEC (KSA)	Completed
Interconnection of Al Wesam; 380kV with 380kV network	Complete design package	Al Babtin (KSA)	Ongoing
Interconnection of Nagran-2; 380kV with 380kV network	Complete design package	Al Fanar (KSA)	Ongoing
380kV Underground Cables Connection Relating to Integration of Shuaiba PV Power Plant	Complete design package for OHTL & UGC portions.	CEPCO (KSA)	Ongoing
Interconnection of MISK; 132kV with 132kV network	Complete design package for OHTL & UGC portions.	Al Babtin (KSA)	Completed
Interconnection of Zarga-2; 132kV with 132kV network	Complete design package for OHTL & UGC portions.	Al Sharief (KSA)	Completed

Reference List for Over Head Transmission Lines and Under Ground Cables projects

Project Name	Project Description Scope of work	Client	Status
Urfan-KAAP; 110kV OHTL	Complete design package for OHTL & UGC portions.	CYPCO (KSA)	Completed
13.8kV Atfieh OHTL located at EOA	Complete design package for OHTL & UGC portions.	CCEP (KSA)	Completed
Interconnection of Arafat-3; 110kV substation with 110kV network	Complete design package for OHTL & UGC portions.	Nesma (KSA)	Completed
33kV Under Ground Cable connecting new 38CD substation with 33kV network	Civil and Electrical OHTL design	SIENMENS (KSA)	Completed
BSP 9040-Aramco BGCS-5 (Durma) 132kV OHTL/UGC project	Complete design package	Capital Light (KSA)	Completed
Al Qatif 115kV OHTL/UGC project	Complete design package	El Sewedy (KSA)	Completed
El Fayhaa; 110kV OHTL	Complete design package	Al Mashariq (KSA)	Completed

Reference List for Over Head Transmission Lines and Under Ground Cables projects

Project Name	Project Description Scope of work	Client	Status
Al Haier 132/13.8kV substation	Complete design package	Al Babin (KSA)	Completed
Majjiz-Yanbu 110kV OHTL/UGC	Complete design package	Al Babin (KSA)	Completed
Interconnection of Al Quwaiyah 132kV with 132kV network by OHTL	Complete design package	Al Babin (KSA)	Completed
Diversion of 115kV OHL for 44BC substation	Complete design package	AL OSAIS (KSA)	Completed

**Reference List for OHTL and UGC projects
(Egypt)**

Reference List for Over Head Transmission Lines and Under Ground Cables projects

Project Name	Project Description Scope of work	Client	Status
220kV OHTL Al Dabaa - Al Dabaa Al Enshai (الضبعة - الضبعة الإنشائي)	Soil Investigation report	Kahrmika	Completed
Interconnection of East Assuit & Samalut 500kV substaiton with 500kV OHTL	Complete design package for OHTL & UGC portions.	ABB (Egypt)	Completed
Dahaba-Harshyat 132kV OHTL	Complete design package for OHTL & UGC portions.	PESCO (Oman)	Completed
Badr-Abu Qir – IN/OUT Tami El Amdid 500kV OHTL	Site supervision	EETC (Egypt)	Completed
Value Engineering for 500kV Emergency Towers	Value Engineering for 500kV Twoers	EETC (Egypt)	Completed
Samalot _El-Wahat El-Baharia 132kV	Civil and Electrical OHTL design	EETC (Egypt)	Completed

Reference List for Over Head Transmission Lines and Under Ground Cables projects

Project Name	Project Description Scope of work	Client	Status
Intersection of Al Mansoura-Dekernes, 66kV OHTL with Al Mansoura Bridge	Site survey, Soil investigation report in addition to complete electrical and civil design package	EETC (Egypt)	Completed
Rabt Assuit - Bani Rafie; 66kV OHTL	Site survey, Soil investigation report in addition to complete electrical and civil design package	EETC (Egypt)	Completed
Reefa - Assuit-2 ; 66kV OHTL	Site survey, Soil investigation report in addition to complete electrical and civil design package	EETC (Egypt)	Completed
Reefa - Abu Teeg ; 66kV OHTL	Site survey, Soil investigation report in addition to complete electrical and civil design package	EETC (Egypt)	Completed
Abu Kerkas - Gharb Malawy ; 66kV OHTL	Site survey, Soil investigation report in addition to complete electrical and civil design package	EETC (Egypt)	Completed

Reference List for Over Head Transmission Lines and Under Ground Cables projects

Project Name	Project Description Scope of work	Client	Status
Samalot - Gharb El Minya ; 66kV OHTL	Site survey, Soil investigation report in addition to complete electrical and civil design package	EETC (Egypt)	Completed
Al Mansoura - Dekrness 66kV OTL	Civil and Electrical OHTL design	EETC (Egypt)	Completed
Gantry Design for RGWE-Wind Power Plant substation	220kV Gantry design	ABB (Egypt)	Completed
Replacement of Conductors for Abou Soltan-Al Manaif 66 KV OHTL	Civil and Electrical OHTL design	MEGA (Egypt)	Completed
Gantry Design for S1; 500kV substation	500kV Gantry design	El Swedy T&D (Egypt)	Completed
Gantry Design for Badr 220kV substation	220kV Gantry design	El Swedy T&D (Egypt)	Completed

Reference List for Over Head Transmission Lines and Under Ground Cables projects

Project Name	Project Description Scope of work	Client	Status
Abo Soltan-Al Manaif 66kV OHTL	Civil and Electrical OHTL design	MEGA (Egypt)	Completed
Tibe Factory; 220kV OHTL	Design Review & Value Engineering	Giza Misr (Egypt)	Completed
West El Shrouk; 220kV OHTL	Design Review & Value Engineering	Giza Misr (Egypt)	Completed
El Oynat El Gedidah - Gabal El Kamel 66kV OHTL	Soil Investigation report	EETC (Egypt)	Completed
Dahshor-Elayat 66 kv OHTL	Soil Investigation report	EETC (Egypt)	Completed
October-October North 220kV OHTL	Soil Investigation report	Kahrmika	Completed

Reference List for Over Head Transmission Lines and Under Ground Cables projects

Project Name	Project Description Scope of work	Client	Status
Habata 66kV OHTL	Soil Investigation report	Kahrmika	Completed
Suez Gulf_S4 500kV DC OHTL	Soil Investigation report	El Sewedy	Completed
Al Asher 500 - Zezenya 220kV OHTL	Soil Investigation report	Kahrmika	Completed
East Banha-Zagazig 500kV OHTL	Soil Investigation report	El Sewedy	Completed
LRT1 - Badr500; 220kV OHTL	Soil Investigation report	Kahrmika	Completed
LRT2 - Badr500; 220kV OHTL	Soil Investigation report	Kahrmika	Completed



**Reference List for Power Plants and Substation projects
(Kingdom of Saudi Arabia)**

Bahrawy Consultancy Group Reference List for Substaitons projects

Project Name	Project Description Scope of work	Client	Status
DRPC at Neom Mountain 380kV Substation	Complete design package	Al Gihaz (KSA)	Ongoing
Neom Mountain 380/132/33kV Substation	Complete design package	Al Gihaz (KSA)	Ongoing
Expansion of SAZ & MSHR 380KV GIS Substations	Complete design package	Linxon (KSA)	Ongoing
Arafat West 380/110/13.8kV Substation	Complete design package	Al Gihaz (KSA)	Ongoing
Expansion of Rabigh-2; 380kV Substation	Complete design package	Linxon (KSA)	Ongoing
Al Mowaih PV 380/110kV Substation	Complete design package	Al Fanar (KSA)	Ongoing
YANBU 380/110/13.8kV Substations	Complete design package	L&T (KSA)	Ongoing

Bahrawy Consultancy Group Reference List for Substaitons projects

Project Name	Project Description Scope of work	Client	Status
Al Buhairat; 110/13.8kV Substation	Complete design package	NESMA (KSA)	Ongoing
Al Hamadaniah 110/13.8kV Substation	Complete design package	NESMA (KSA)	Ongoing
Al-Huda 110-13.8KV Substation	Complete design package	Al Ogaimi (KSA)	Ongoing
Rua Al Madinah 110KV four Substations	Complete design package	Al Babin (KSA)	Ongoing
Al Bukairiah 132-13.8kV Substation	Complete design package	Al Shairef (KSA)	Ongoing
Extension of 132KV GIS Bays at QASSIM	Complete design package	Sama Energy (KSA)	Ongoing
Waad Al Shamaal Wind 380-132KV BSP	Complete design package	Al Fanar (KSA)	Ongoing

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
Al Kahafa (9099) 380-132 kV Substation	Complete design package	Al Babtin (KSA)	Ongoing
Al Henakiyh 380-110 kV Substation	Complete design package	Al Fanar (KSA)	Ongoing
NIC North 132-33kV SS	Complete design package	NESMA (KSA)	Ongoing
NIC EV-2 132-33kV SS	Complete design package	NESMA (KSA)	Ongoing
Al Hada (8246) 132-13.8kV SS	Complete design package	NESMA (KSA)	Ongoing
Al Sharfiyah (8386) 132-13.8kV SS	Complete design package	NESMA (KSA)	Ongoing
SHOAIBA (SWPC-SHOAIBA-3) 110-13.8 kV SS	Complete design package	Al Babtin (KSA)	Ongoing

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
Sumou 110-13.8kV Substation	Complete design package	Al Ogaimi (KSA)	Ongoing
Al Narjis (8212)132-13.8KV Ss	Complete design package	Al Shairef (KSA)	Ongoing
Extension of Taif – Gaya; 110kV AIS SS	Complete design package	Al Fanar (KSA)	Ongoing
DRPC (STATCOM) at Tabuk 380kV by substation	Complete design package	Al Fanar (KSA)	Ongoing
Al Baha 380/132kV substation	Complete design package	Al Fanar (KSA)	Ongoing
Nagran 380/132kV substation	Complete design package	Al Fanar (KSA)	Ongoing
NIC Circle 380/132/13.8kV substation	Complete design package	Al Gihaz (KSA)	Ongoing

Bahrawy Consultancy Group Reference List for Substaitons projects

Project Name	Project Description Scope of work	Client	Status
Expansion of Duba Green 380kV substation	Complete design package	Al Gihaz (KSA)	Ongoing
Um Al Jood 380/110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Ongoing
DRPC (STATCOM) at Al Wesam 380kV substation	Complete design package	Al Gihaz (KSA)	Ongoing
DRPC (STATCOM) at Wadi El Dawasir 380kV substation	Complete design package	Al Gihaz (KSA)	Ongoing
Al Wesam 380/132kV substation	Complete design package	Al Babtin (KSA)	Ongoing
Reinforcement of Mtero 380kV substation #9053	Complete design package	Al Babtin (KSA)	Ongoing
Nagran 380kV substation; Dynamic Reactive Power Copenstation "DRPC" Project	Complete design package	Al Fanar (KSA)	Ongoing

Bahrawy Consultancy Group Reference List for Substaitons projects

Project Name	Project Description Scope of work	Client	Status
Expansion of Wadi El Dawaser 380kV by installing 380kV Reactor	Complete design package	Al Fanar (KSA)	Ongoing
Qassim-2; 9025, 380kV substation; Dynamic Reactive Power Copensation "DRPC" Project	Complete design package	Al Fanar (KSA)	Ongoing
Expansion of Makkah Housing 380kV substation by Installing 380kV Reactor	Complete design package	Linxon (KSA)	Completed
Expansion of Jeddah North 380kV substation by Installing 380kV Reactor	Complete design package	Linxon (KSA)	Completed
Expansion of Rabigh-2; 380kV substation by Installing 380kV Reactor	Complete design package	Linxon (KSA)	Completed
Expansion of Bader 9013; 380kV substation by Installing 380kV Reactor	Complete design package	Linxon (KSA)	Completed
Expansion of 9007; 380kV substation by Installing 380kV Reactor	Complete design package	Linxon (KSA)	Completed

Bahrawy Consultancy Group Reference List for Substaitons projects

Project Name	Project Description Scope of work	Client	Status
Expansion of 9008; 380kV substation by Installing 380kV Reactor	Complete design package	Linxon (KSA)	Completed
NIC South, PSSA 132/13.8kV substaiton	Complete design package	Al Ogaimi (KSA)	Ongoing
NIC South, PSSB 132/13.8kV substaiton	Complete design package	Al Ogaimi (KSA)	Ongoing
Expansion of Arrar 380kV by installing 380kV reactor	Complete design package	Al Toukhy (KSA)	Completed
132kV NEOM Mobile Substation (3 Substaitons)	Complete design package	SIEMENS (KSA)	Completed
33kV mobile substation	Complete design package	SIEMENS (KSA)	Completed
Modon 380/132/13.8kV Phase 1	Complete design package	Al Toukhy (KSA)	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
Khamis Housing (KMH-2) 132-13.8kv Substation	Complete design package	Al Shairef (KSA)	Completed
Extension of Wadi Liyah 110-13.8KV Substation	Complete design package	CYPCO (KSA)	Completed
Medinah PV 110KV Switching Substation	Complete design package	KADI (KSA)	Completed
Al Frusiyah 110/13.8KV Substation	Complete design package	KADI (KSA)	Completed
Al Khalil Ibrahim 110/13.8KV Substation	Complete design package	KADI (KSA)	Hold
Howtat Bani Tameem 132/13.8KV Substation	Complete design package	Ibn Omiarah (KSA)	Completed
Riyadh Airport 132/13.8kv Substation	Complete design package	Al Toukhy (KSA)	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
Arafat-3 110/13.8kV Substation	Complete design package	Nesma (KSA)	Completed
Al Mansoriyah 110-13.8 KV Substation	Complete design package	Al Ogaimy (KSA)	Hold
Zarga-2; 132-13.8kV Substation	Complete design package	Al Shairef (KSA)	Completed
Najran; 132-13.8kV Substation	Complete design package	Al Shairef (KSA)	Completed
Two Dumat Al Jandal wind farm substations	Complete design package	Al Babin (KSA)	Completed
Extension of Arafat-1; 110/13.8kV, outdoor Substation	Complete design package	Al Gihaz (KSA)	Completed
Jeddah Economic City; JEC 110/13.8kV, Phase 1	Complete design package	Al Gihaz (KSA)	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
Lyla Solar plant - Phase 1_10MW	Design Services	Al Gihaz (KSA)	Completed
Duba Sea Port 132/13.8kV Substation	Complete design package	Al Babtin (KSA)	Hold
Sakaka; 132kV switching station for solar substation	Complete design package	Al Gihaz (KSA)	Completed
Sarfi Park (Jeddah Park); 110/13.8kV substation	Complete design package	PSP (KSA)	Completed
El Fayhaa; 110/13.8kV substation	Complete design package	Al Mashariq (KSA)	Completed
Al Oynah Housing; 8312 132/13.8kV substation	Complete design package	Al Sharief (KSA)	Completed
Al Dawadmy Housing; 8610 132/13.8kV substation	Complete design package	Al Sharief (KSA)	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
Al Remal; 8340 132/13.8kV substation	Complete design package	Capital Light(KSA)	Completed
Al Haier 132kV OHTL/UGC project	Complete design package	Al Babtin (KSA)	Completed
Al Haier 132/13.8kV substation	Complete design package	Al Babtin (KSA)	Completed
Al Quwaiyah 132kV substation	Complete design package	Al Babtin (KSA)	Completed
Al Bijadiyah 132kV substation	Complete design package	Al Babtin (KSA)	Completed
Thadeq 132kV substation	Complete design package	Al Babtin (KSA)	Completed
Al Afif 132kV substation	Complete design package	Al Babtin (KSA)	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
38CD; 33/13.8kV Substaiton	Complete design package	SIEMENS (KSA)	Completed
Extension of 43BD; 33/13.8kV Substaiton	Complete design package	SIEMENS (KSA)	Completed
Extension of 24BD; 33/13.8kV Substaiton	Complete design package	SIEMENS (KSA)	Completed
Reinforcement of 8052; 132-13.8kV SS	Complete design package	Al Fanar (KSA)	Completed
Awest; 33/13.8kV substation	Complete design package	Zamil (KSA)	Hold
Reinforcement of Madinah East; 110/13.8kV substation	Complete design package	Al Mashariq (KSA)	Completed
Reinforcement of 132/13.8kV, 8703 and 8704 substations	Complete design package	Al Fanar (KSA)	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
Jadlan; 33/13.8kV substation	Complete design package	SIEMENS (KSA)	Completed
Al Wesam; 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
Al Sail Road; 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
Al Osailah; 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
Al Khandmah; 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
Al Khalidyah; 8212 132/13.8kV substation	Complete design package	Al Mashariq (KSA)	Completed
El Masnah; 33/13.8kV substation, Arch, Civil and Mech package	Complete design package	SIEMENS (KSA)	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
El Nakheel; 110/13.8kV substation	Complete design package	Al Mashariq (KSA)	Completed
El Ferdous; 110/13.8kV substation	Complete design package	Al Mashariq (KSA)	Completed
Tabuk Housing; 132/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
Medinah Housing; 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
Makkah 3 Housing; 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
Makkah 2 Housing; 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
Reinforcement of 8903 & 8911; 132/13.8kV substations	Complete design package	Al Fanar (KSA)	Completed

Bahrawy Consultancy Group Reference List for Substaitons projects

Project Name	Project Description Scope of work	Client	Status
Reinforcement of 110kV, South Aziziyah, MPS2, MPS3 & MPS4 substations	Complete design package	Al Fanar (KSA)	Completed
Al Maznah 33/13.8kV substation	Complete design package	SIEMENS (KSA)	Completed
Extesnion of Geya; 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
Al Naseem; 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
Modon-3; 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
Reinforcement of Sakaka; 33kV substation	Complete design package	Taqqat (KSA)	Completed
Qarrah 33/13.8kV substation	Complete design package	SIEMENS (KSA)	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
Al Khalidiyah; 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
Al Thagher-2; 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
Um Al Salam-2; 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
Al Rawdah-2; 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
King Abdulaziz Unviersity 4; 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
Reinforcement of King Abdulaziz Unviersity 3; 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
King Faisal Hospital' KFH; 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed

Bahrawy Consultancy Group Reference List for Substaitons projects

Project Name	Project Description Scope of work	Client	Status
Extension of Thuwal 33/13.8kV substation	Complete design package	SIEMENS (KSA)	Completed
Lajwan 33/13.8kV substation	Complete design package	SIEMENS (KSA)	Completed
Reinforcement of Makkah University 110/13.8kV substation	Complete design package	SIEMENS (KSA)	Completed
Reinforcement of existing nine 132/33kV by installing new switchgears and RTU	Design Services	ABB (KSA)	Completed
Misfalah 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
Aziziyah-4; 110/13.8kV substation	Complete design package	Al Gihaz (KSA)	Completed
Al Quz 132/33kV GIS S/S	Complete design package	Al Gihaz (KSA)	Completed

Bahrawy Consultancy Group Reference List for Substaitons projects

Project Name	Project Description Scope of work	Client	Status
Qonfudah 132/13.8 kV GIS S/S	Complete design package	Al Gihaz (KSA)	Completed
Khamis West 132/33/13.8kV GIS S/S	Complete design package	Al Gihaz (KSA)	Completed
ARAMCO - AMR; #62; 115kV substations project	Desgin servcies for installation of new AMR system in #62; 115kV ARAMCO substations	AUVA (KSA)	Completed
Extension of Al Bida 132/13.8kV GIS S/S	Complete design package	AL OSAIS (KSA)	Completed
Reinforcement of 4; 33kV substations in EOA (Musadiyah-Qarrah, Adarah and Hudaib)	Complete design package	TAQAT (KSA)	Completed
Reinforcement of CITY 110/13.8kV substation	Design Services	BEMCO Services (KSA)	Completed
Taif netwrok reinforcement	Complete design package for reinforcement of Taif BSP and Hawiyah 110/kV S/Ss	BEMCO Contracting	Completed

Bahrawy Consultancy Group Reference List for Substaitons projects

Project Name	Project Description Scope of work	Client	Status
Al Aziziyah-3, 110/13.8kV substation	Complete design package	BEMCO Contracting	Completed
Replacement of Auto-reclosing relays in 14 substation in COA	Design Services	ABB Services (KSA)	Completed
Reinforcement of 7703, 33/13.8kV substation	Design Services	ABB Services (KSA)	Completed
Replacement of 380kv BB and BF protection system in Rabigh 380kV S/S	Design Services	ABB Services (KSA)	Completed
Replacement 13.8kV switchgears in 6 substations in WOA	Design Services	SIEMENS (KSA)	Completed
Al Shariea 110/13.8kV GIS S/S	Complete design package	AECC (KSA)	Completed
Al Shatea 110/13.8kV GIS S/S	Complete design package	AECC (KSA)	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
Al Zahraa-2 110/13.8kV GIS S/S	Complete design package	AECC (KSA)	Completed
Al Kharj 132/33-13.8kV GIS S/S	Complete design package	DELTA (KSA)	Completed
Thuwal Town 110/13.8kV GIS S/S	Complete design package	AECC (KSA)	Completed
LPOF_Installation Protection, SCADA & TELECOM Equipment WOA	Design Services	ABB Services (KSA)	Completed
Reinforcement of 132/13.8kV substation # 8135 S/S.	Complete design package	ABB Services (KSA)	Completed
Al Khadra (Abu Saddad) 132/13.8kV GIS S/S	Complete design package	AECC (KSA)	Completed
King Abdullah Sport city SASC, 110/13.8kV GIS S/S.	Complete design package	Al Jihaz (KSA)	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
Reinforcement of 5-COA substation	Design Services	ABB Contracting (KSA)	Completed
Reinforcement of Al Shuhada 110/13.8kV S/S.	Design Services	ABB Services (KSA)	Completed
Installation of 132kV shunt reactors in four 132/13.8kV GIS S/Ss.	Complete design package	AL ARRAB (KSA)	Completed
Hawea, 110/13.8kV GIS S/S.	Complete design package	ABB Contracting (KSA)	Completed
115kV Line Pilot Diff. protection replacement	Design Services	ABB Services (KSA)	Completed
115kV BF Protection replacement of Marafiq, Yanbu	Design Services	ABB Services (KSA)	Completed
Reinforcement of Yanbu MED Plant	Reinforcement of protection system in Yanbu MED plant by replacement the feeding supply	ABB Services (KSA)	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
Reinforcement of 4, 132/13.8kV substations in Tabuk	Design Services	ABB Services (KSA)	Completed
Reinforcement of 7724 13.8kV Distribution Substation	Design Services	ABB Services (KSA)	Completed
Al Markaz 115/13.8kV substation	Complete design package	AJEC / Al Ojaimy Contracting (KSA)	Completed
Reinforcement of PP4 and two mobile substations	Design Services	ABB Services (KSA)	Completed
Reinforcement of 7012 110/33-13.8kV Substation	Design Services	ABB Services (KSA)	Completed
Reinforcement of 7112 110/33-13.8kV Substation	Design Services	ABB Services (KSA)	Completed
Gabal El Zayt 220kV GIS S/S	220kV GIS S/S	KFW Consultant Denmark	Completed

Bahrawy Consultancy Group Reference List for Substaitons projects

Project Name	Project Description Scope of work	Client	Status
Jeddah Substations as follows: 1 – Taif, 110/13.8kV GIS S/S. 2 – Khumra, 110/13.8kV GIS S/S. 3 – Salama 2, 132/13.8kV GIS S/S.	Design Services	AJEC / ABB Contracting (KSA)	Completed
Medinah Substations as follows: 1 – Hanakiah, 110/13.8/33kV AIS outdoor substation. 2 – Yanbu, 110/13.8kV GIS S/S. 3 – Tabuk, 132/13.8kV GIS S/S.	Design Services	AJEC / ABB Contracting (KSA)	Completed
Replacement the old metering system by Automatic Metering Reading System (AMRS) in HV substations in SEC-CTA EHV	AMR system design and all realted interfaces	AJEC / AUVA (KSA)	Completed
Replacement the old metering system by Automatic Metering Reading System (AMRS) in HV substations in SEC-CTA COA.	AMR system design and all realted interfaces	AJEC / AUVA (KSA)	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
Replacement the old metering system by Automatic Metering Reading System (AMRS) in HV substations in SEC-CTA EOA	AMR system design and all realted interfaces	AJEC / AUVA (KSA)	Completed
El Sewedy Cement Factory 220/11kV substation	1 – Preparation of SPECS and BOQs for telecom systems (FO and PLC) and RTU in local substation and two far end substations. 2 – Evaluation of technical and commercial offers. 3 – Follow up with the supplier during project stage and revision of design documents till getting EETC approval. 4 – Site supervision for pre- commissioning stage and end to end tests.	Power System Projects “PSP” (Subsidiary of El Sewedy Group)	Completed

**Reference List for Power Plants and Substation projects
(Egypt, Yemen, Sudan & Kuwait)**

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
New El-Mahalla Textile Substation 66-22 kV GIS	Complete design package	ORASCOM (Egypt)	Ongoing
NDPR5 220-66kV GIS SS	Complete design package	Energya (Egypt)	Ongoing
Amunet 500MW Wind; 220kV Substation	Project Management, site supervision and Complete design package	Power China	Ongoing
Reinforcement of CAIRO 500; 500/220/11kV substation	EETC Consultant - Concpetual design and Complete Tender documents	EETC (Egypt)	HOLD
Khareer 132kV Substation; <u>YEMEN</u>	Complete design package	MEGA (Egypt) / Ben El Ashwal (Yemen)	Ongoing
Graiw 132kV Substation; <u>YEMEN</u>	Complete design package	MEGA (Egypt) / Ben El Ashwal (Yemen)	Ongoing
NDHPS-4 (66-11KV Substation)	Complete design package	XD-EGEMAC (Egypt)	Ongoing

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
NDHPS-12 (66-11KV Substation)	Complete design package	XD-EGEMAC (Egypt)	Ongoing
Borg Al-Arab 500-20-66 kV Substation	Complete design package	Kharafy National (Egypt)	Ongoing
Abydos 33-220kV Substation	Complete design package	ZTPC (Egypt)	Ongoing
Extension of El-Alalmeen 500-220-22KV	Complete design package	Energya (Egypt)	Hold
Kom Ombo 220-33 KV AIS Substaion	Complete design package	ZTPC (Egypt)	Ongoing
STATCOM at Dongola & Merowe town 220KV SS. in Sudan	Complete design package	SIEMENS (Egypt)	Completed
East Ouynat 200 MVAR Statcom	Electrical design package	ABB (Egypt)	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
220kV SS of Gulf of Suez Wind Farm (VISATS)	Architecture, civil and MEP design package	MEGA & ABB (Egypt)	Completed
Ext. of Zafarana-2 220kV AIS	Complete design package	CCC (Egypt)	Completed
GCC Lab	Architecture, civil and MEP design package	Giza Systems (Egypt)	Completed
S4; 500/220/33-22 kV Substation	Complete design package	L & T (Egypt)	Completed
El Ektsadia 500/220/66/22 kV Substation	Complete design package	XD-EGEMAC (Egypt)	Completed
Sokhna 500/220kV Substation	Complete design package	L & T (Egypt)	Completed
East Sohag 500/220/66/22kV	Complete design package	Kharafy National (Egypt)	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
Cairo West 500kV	Complete design package	DAEWOO- POSCO-HHI (Egypt)	Completed
Kafr El Sheikh 500/220/66/11kV	Design modifications and value engineering	ZTPC	Completed
Zahraa Nasr City 220-66-11kV Substation	Complete design package	XD-EGEMAC (Egypt)	Completed
Tema 66kV Substation	Complete design package	Energya (EGypt)	Completed
Abbasa 66kV Substation	Architecture and civil design package	MEGA (EGypt)	Completed
Marafiq Duqm Rental PP; YEMEN	Civil and MEP design	PESCO (UAE)	HOLD
Nahda 220-66-22kV Substation	Design modifications and value engineering	ZTPC	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
Motawereen 220-22-22 kv GIS SS	Complete design package	XD-EGEMAC (Egypt)	Completed
Lekela 220-33kV	Civil and MEP design	SIEMENS (Egypt)	Completed
6th of October Eastern Extension 220-22-22 KV GIS SS	Complete design package	XD-EGEMAC (Egypt)	Completed
Al Narges Switching Station	Complete design package	XD-EGEMAC (Egypt)	Completed
Sadfa 66/22kV Substation	Complete design package	ZTPC	Completed
8th Industrial Zone of El Sadat City	Electromechanical design package	SIEMENS (Egypt)	Completed
Wadi El Natron 66/22kV Substation	Complete design package	MEGA (Egypt)	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
El Basateen III 66/22kV Substation	Complete design package	Giza Systems (Egypt)	Completed
New Gamila 220-66-11 GIS SS	Complete design package	Giza Systems (Egypt)	HOLD
Madinaty-2 220-66-22KV GIS Substation	Complete design package	Sieyuan (Egypt)	Completed
Lekela 220-33KV GIS Substation	Electrical design package	SIEMENS (Egypt)	Completed
Assuit 500kV PP	Schematic Diagram for control and protection panels	ABB (Egypt)	Completed
3x20 MW Rice Husk generation plant	Consultation services	AAW	Completed
Petro Masila 50MW Power Plant (Phase #2); YEMEN	Complete design package	PESCO (UAE)	Completed

Bahrawy Consultancy Group
Reference List for Substaitons projects

Project Name	Project Description Scope of work	Client	Status
Petro Masila 50MW Power Plant (Phase #3); <u>YEMEN</u>	Complete design package	PESCO (UAE)	Completed
Extention of Assuit El Walidya Power Station	Architecture and Civil design	Kharafy National (Egypt)	Completed
Badr III 66/22kV Substation	Architecture and Civil design	EBAIC (Egypt)	Completed
El Kom El Ahmar	Architecture and civil design package	Giza Systems (Egypt)	Completed
El Badary 66kV Substation	Architecture and civil design package	Giza Systems and Moon (Egypt)	Completed
Gabal El Kamel 66kV Substation	Architecture and civil design package	MEGA (EGypt)	Completed
Black Sand 66kV Substation	Architecture and civil design package	MEGA (EGypt)	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
S11; 66/11kV Substation	Architecture and civil design package	ABB (Egypt)	Completed
S13; 66/11kV Substation	Architecture and civil design package	ABB (Egypt)	Completed
East Assuit 66/22-11 kV Substation	Complete design package	Sieyuan (Egypt)	Completed
Gamasa 220/66/11kV Substation	Complete design package	Sieyuan (Egypt)	Completed
Zizenia 220/66/11kV Substation	Complete design package	XD-EGEMAC (Egypt)	Completed
Al Qausair 66/22kV Substaiton	Complete design package	CHINT; China	Completed
Zahraa El Mokatam; 220/22kV substation	Electromechanical design package	Kharafy National (Egypt)	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
Sonker 66/22kV	Complete design package	Energya (Egypt)	Completed
Marasy; 220/22kV substation	Electromechanical design package	Kharafy National (Egypt)	Completed
Abu Soltan 66/22kV	Architecture, Civil and Electromechanical design	MEGA (Egypt)	Completed
Domiatte Furniture 220/11/11kV	Complete design package	Energya (Egypt)	Completed
University H; 132kV substation in Kuwait	Architecture and Civil design	TRIO (Kuwait)	Completed
University J; 132kV substation in Kuwait	Architecture and Civil design	TRIO (Kuwait)	Completed
United 66-11kV	Complete design package	ABB (Egypt)	Completed

**Bahrawy Consultancy Group
Reference List for Substaitons projects**

Project Name	Project Description Scope of work	Client	Status
North Hurgada 220-66-22kV	Complete design package	XD-EGEMAC (Egypt)	Completed
El Mostakbal; 220/22kV substation	Complete design package	Kharafy National (Egypt)	Completed
Extension of Tanta South; 220/66kV substation	Complete design package	XD-EGEMAC (Egypt)	Completed
West El Shrouk; 220/22-22kV substation	Complete design package	Giza Misr (Egypt)	Completed
Extension of Naga Hammadi 220kV substation	Design Services	ABB (Egypt)	Completed
Tajamouat 66/11kV substation	Preparation of specifications and technical and commercial evaluation	Saleh & Hegab Consultant	Completed
Gabal El Zayt 220kV GIS S/S	220kV GIS S/S	KFW Consultant Denmark	Completed

Bahrawy Consultancy Group
Reference List for Substaitons projects

Project Name	Project Description Scope of work	Client	Status
Telecommunication training course	<p>“Applied telecommunication schemes in high voltage substations, Level 1; Introduction” Training sessions including:</p> <ul style="list-style-type: none"> 1 – Introduction 2 – Fiber Optic 3 – PLC 4 – RTU 5 – Substation Automation System 	Power System Projects “PSP” (Subsidiary of El Sewedy Group)	Completed
El Sewedy Cement Factory 220/11kV substation	<ul style="list-style-type: none"> 1 – Preparation of SPECS and BOQs for telecom systems (FO and PLC) and RTU in local substation and two far end substations. 2 – Evaluation of technical and commercial offers. 3 – Follow up with the supplier during project stage and revision of design documents till getting EETC approval. 4 – Site supervision for pre- commissioning stage and end to end tests. 	Power System Projects “PSP” (Subsidiary of El Sewedy Group)	Completed