



## SELECTED REFERENCES V29

Project	Al Qaim 400KV Substation for GE
Content	PLC, PSE, PABX
Status	Under implementation
Project	NT 78 for Siemens
Content	SDH Mux, PLC, PSE, CCTV, PABX
Status	Under implementation
Project	Nassiriyah South 400KV Substation for Al Iemar
Content	SDH Mux, SCADA, PLC, PSE, PABX, Fire Alarm, Control & Protection System
Status	Under implementation
Project	Al Sader Al Hindia 132/33kV Substations GIS for GE
Content	Telecommunication, PDH-SDH Mux
Status	Under implementation
Project	Al Hamudhia 400kV Substation for Siemens
Content	PLC, PABX , LMU and Optical Communication System
Status	Under implementation
Project	Sabiha Gokcen Airport Metro Project
Content	Radio/PA/PIS
Status	Under Implementation
Project	Gayrettepe – Istanbul 3 <sup>rd</sup> Airport Metro Project
Content	SDH Optic Transmission System
Status	Under Implementation
Project	Halkalı – Istanbul 3 <sup>rd</sup> Airport Metro Project
Content	SDH Optic Transmission System
Status	Under Implementation
Project	Uskudar Umraniye Metro Project
Content	Tetra Radio System, Tetra Command Control System
Status	Under Implementation
Project	Umraniye Goztepe Atasehir Metro Project
Content	Tetra Radio System
Status	Under Implementation

Project	Eminonu-Alibeykoy Tram Line Project
Content	Tetra Radio System
Status	Completed
Project	İkitelli-Ataköy Line Metro Project (11 Stations)
Content	IP-MPLS Optic Systems , Tetra and RF Coverage, Telephone, PA, PIS, FAS, Clock, ACS
Status	Under implementation
Project	Saudi Arabia Yanbu Medina WPP Telecom Project for Honeywell
Content	Optical Communication System, Telephone System
Status	Under implementation
Project	Başakşehir-Kayaşehir Line Metro Project (4 Stations)
Content	IP-MPLS Optic Systems , Tetra and RF Coverage, Telephone, PA, PIS, FAS, Clock, ACS
Status	Under implementation
Project	500KV Arghande SS - SCADA, CRP and Comms
Content	SCADA, SDH, PABX, RTU, Protection and Control for 500KV SS for DABS
Status	Under implementation
Project	Enerjisa 68 SS Project
Content	RTUs, Protection & Control, SS Adaptation in 3 Cities
Status	Completed
Project	Kirazlı - Bakırköy Line Metro Project (7 Stations)
Content	IP-MPLS Optic Systems, Tetra and RF Coverage, Telephone, PA, PIS, FAS, Clock, ACS
Status	Under implementation
Project	Power Management System (PMS) for Al-Dhakhira Sewage Treatment Works, at Al Khor, Qatar
Content	PMS RTU Cabinet and FAT
Status	Completed
Project	Basrah Steel Project 132 KV Substation Communication System
Content	PABX , MUX , Scada , RTU and Power Supply
Status	Completed
Project	Uzbekhstan Takhiatash Combined Cycle Plant
Content	Substation Automation System and RTU
Status	Completed
Project	Algeria Periphery South HGA Hassi Messaoud
Content	PMS Cabinets
Status	Completed



Project	Abu Dhabi OTS for PMS
Content	PMS and OTS Cabinets
Status	Completed
Project	13SS Project - 132/33kV Substation for Siemens
Content	PABX, ODF, MDF
Status	Completed
Project	SCADA Load Control Center KRG MOE in Erbil
Content	SCADA Control Center, PABX, RTU, SDH, DC System at Erbil, Duhok, Suly 54 S/Ss
Status	Completed
Project	110kV Pushmol SCADA, CRP and Comms
Content	SCADA,SDH, Radio, PLC, PABX, RTU, Protection and Control 110KV SS for USACE
Status	Completed
Project	110kV Maiwand SCADA, CRP and Comms
Content	SCADA, SDH, Radio, PLC, PABX, RTU, Protection and Control 110KV SS for USACE
Status	Completed
Project	220kV Chimtala TR Extension
Content	SCADA, SDH, Radio, PABX, RTU at 220KV SS for Kalpataru
Status	Under implementation
Project	220kV Pul-E-Alam SCADA, CRP and Comms
Content	SCADA, SDH, Radio, PLC, PABX, RTU, Protection and Control 220KV SS for USACE
Status	Under implementation
Project	220KV Pul-E-Khumri TR Extension
Content	SCADA, SDH, PABX, RTU, Protection and Control 220KV SS for USACE
Status	Completed
Project	110kV Kabul North TR Extension
Content	SCADA, SDH, PABX, RTU, Protection and Control 220KV SS for USACE
Status	Completed
Project	110kV Kabul North West TR Extension
Content	SCADA, SDH, PABX, RTU, Protection and Control 220KV SS for USACE
Status	Completed
Project	110kV Pul-e Charki TR Extension
Content	SCADA, SDH, PABX, RTU, Protection and Control 220KV SS for USACE
Status	Completed



Project	110kV Breshna Kot TR Extension
Content	SCADA, SDH, PABX, RTU, Protection and Control 220KV SS for USACE
Status	Completed
Project	500kV Arghande SS
Content	SCADA, SDH, PABX, RTU, Protection and Control 220KV SS for Techno Co.
Status	Completed
Project	220kV Salang Tunnel SS
Content	SCADA, SDH, PABX, RTU, Protection and Control 220KV SS for Usluel & Omron JV
Status	Completed
Project	220kV Al Qasaba SS
Content	SCADA, SDH, PABX, RTU, Protection and Control 220KV SS for Zadran Group
Status	Completed
Project	220kV Mazar-e Sharif TR Extension
Content	SCADA, SDH, PABX, RTU, Protection and Control 220KV SS for Siemens
Status	Completed
Project	Enerjisa Toroslar ADP-2 SCADA/DMS System
Content	RTUs, Protection & Control and Adaptation in 77 S/Ss
Status	Completed
Project	Boğaziçi EDAS SCADA/DMS System
Content	RTUs, Protection & Control and Adaptation in 100 S/Ss for Armin
Status	Completed
Project	Uludag EDAS SCADA/DMS System
Content	RTUs, Protection & Control and Adaptation in 200 S/Ss for Armin
Status	Completed
Project	Enerjisa Toroslar ADP-1 SCADA/DMS System
Content	SCADA CC, RTUs, Protection & Control and Adaptation in 235 S/Ss
Status	Completed
Project	Iraq NT 54 Project
Content	SDH/Mux/PABX/CCTV/Fire Alarm for Siemens
Status	Completed
Project	380KV Atasehir GIS SS – Protection and Control and SS Automation
Content	Local SCADA, Protection and Control for 380KV SS for GE
Status	Completed

Project	Qudus Project
Content	SDH/Mux/PABX/CCTV/Fire Alarm
Status	Completed
Project	Iraq Hanwha/NIC Bismaya Project
Content	CCTV/PABX System for 35 S/Ss
Status	Under implementation
Project	380KV Çan SS – Telecom, Protection and Control and SS Automation
Content	Local SCADA, SDH, PABX, Protection and Control for 380KV SS for Usuel
Status	Under implementation
Project	Kartal Kaynarca Metro Line
Content	Tetra Radio, Public Address and CC
Status	Completed
Project	Turkmenistan Watan PP
Content	MW Radio/PLC/PABX
Status	Completed
Project	Afghanistan Gulbahar S/S Project for Metro
Content	SDH, RTU, SCADA, PABX
Status	Completed
Project	Turkmenistan 220 KV Ahal and Derweze SS
Content	SDH/MW radio/PLC/SS Automation/RTU/PABX/Control & Protection for 2x220 KV SS
Status	Completed
Project	Istanbul Metro Hisarüstü Line
Content	SDH/Mux/PABX/PA/PIS/Clock/Tetra Radio
Status	Completed
Project	Istanbul Ulaşım İstanbul Tetra System
Content	Tetra Switch/Base Station/Infrastructure/RF Optimization
Status	Under implementation
Project	Iraq NT51 Project for Siemens
Content	SDH/Mux/PABX/CCTV/Fire Alarm
Status	Completed
Project	Afghanistan Gardez Syedabad Project for KEC
Content	SDH, Mobile Radio, RTU, SCADA, PABX
Status	Completed



Project	Sakarya OSB SCADA/Metering System
Content	SCADA/Metering/RTU/SDH
Status	Completed
Project	Rumaila PP Project for Hyundai
Content	PMP MW/PABX/MUX
Status	Completed
Project	Iraq NT N14 Project for LS Industries
Content	PLC/SDH/Mux/PABX/CCTV/Fire Alarm
Status	Completed
Project	Iraq NT43 Project for LS Industries
Content	PLC/SDH/Mux/PABX/CCTV/Fire Alarm
Status	Completed
Project	Iraq NT6 Project for Siemens
Content	PLC/PSE
Status	Completed
Project	Iraq NT33 Project for Alstom
Content	PABX/CCTV/RTU/Fire Alarm
Status	Completed
Project	Iraq NT38 Project for LS Industries
Content	PLC/SDH/Mux/PABX/CCTV/Fire Alarm
Status	Completed
Project	Istanbul Metro Kadıköy – Kartal Line for AMG and Thales
Content	Command Control Center / Tetra and MW System
Status	Completed
Project	Iraq NT96 – NT16 Project for LS Industries
Content	PLC/SDH/Mux/PABX/CCTV/Fire Alarm
Status	Completed
Project	USAID Afghan National SCADA Control Center
Content	SCADA/SDH/RTU/Metering/WD/PABX for LBGBVJV
Status	Completed
Project	Iraq NT2 Project for Siemens
Content	PLC/PSE/SDH/Mux/PABX/Fire Alarm
Status	Completed



Project	Iraq NT1 Project
Content	PLC/PSE/PABX/FA for Siemens
Status	Completed
Project	Iraq NT117 Project for Siemens
Content	PLC/PSE/PABX/Fire Alarm
Status	Completed
Project	Abu Dhabi Ruwais Project
Content	SDH/FMX/PABX/GA/PSE
Status	Completed
Project	Iraq Taji Power Plant Project
Content	SDH/Mux/RTU/PABX/MW for Uruk
Status	Completed
Project	Poyraz RES Comms & S/S SCADA System
Content	SDH/FMX/PABX/Modems/LL/Substation SCADA
Status	Completed
Project	MOE 5 Siemens PP (Rumaila, Dibis, Baiji, Sadder) Project
Content	PLC/SDH/Mux/PABX/MW for Siemens
Status	Completed
Project	Doruk HES Comms & S/S SCADA System
Content	SDH/FMX/PABX/Modems/LL/Substation SCADA
Status	Completed
Project	Afghanistan Kandahar 236 Dist. Transformers Metering
Content	0.2s meters/GPRS Modems
Status	Completed
Project	Kozbeyli RES Comms & S/S SCADA System
Content	SDH/FMX/PABX/Modems/LL/Substation SCADA
Status	Completed
Project	Iraq MOE ETP NT75 Project
Content	PABX/Mux/MW Radio/Cabinets for PLC for Siemens
Status	Completed
Project	Kabil City Pilot for Transformer Metering and Control
Content	0.2s meters/GPRS Modems/Controlled Cct Breakers
Status	Completed



Project	Abu Dhabi Ajman Project
Content	SDH/FMX/PABX/GA/PSE
Status	Completed
Project	Iraq MOE ETP NT30 Project
Content	PLC/PSE/PABX/SDH/MW for Siemens
Status	Completed
Project	Kepezkaya Comms & SCADA System
Content	SDH/FMX/PABX/Modems/LL/RTU
Status	Completed
Project	Iraq MOE ETP NT83 Project
Content	PABX/Mux/MW Radio/Cabinets for PLC for Siemens
Status	Completed
Project	Iraq MOE ETP NT49 Project
Content	PABX/Mux/MW Radio/Cabinets for PLC for Siemens
Status	Completed
Project	Borusan Yedigöl Comms & SCADA System
Content	SDH/FMX/PABX/Modems/LL/RTU
Status	Completed
Project	Feke Comms System
Content	SDH/FMX/PABX/Modems/LL
Status	Completed
Project	Antalya LRT Tetra System
Content	Tetra Switch / Base Station / Infrastructure
Status	Completed
Project	Iraq MOE ETP N33-38 Project
Content	PLC/PSE/PABX for Siemens
Status	Completed
Project	Turkmenenergo – Avaza P/P Comms System
Content	PLC, Multiplexer, MW, PABX
Status	Under implementation
Project	Abu Dhabi ICAD Project
Content	SDH/FMX/PABX/GA/PSE
Status	Completed





Project	Iraq MOE ETP NT17 Project
Content	PLC/PSE/PABX/Mux/MW/DC for ETP
Status	Completed
Project	Iraq MOE ETP NT26 Project Comms System
Content	PLC/PSE/PABX/Mux for Siemens
Status	Completed
Project	Turkmenistan Electric Co.– Akhal P/P Comms and SCADA
Content	Multiplexer, MW, PABX
Status	Completed
Project	Abu Dhabi Water Distribution Project Comms System
Content	SDH/FMX
Status	Completed
Project	Istanbul Metro Taksim 3rd Phase – H.Osman Line
Content	SDH/MUX/PABX/CCTV/PA/PIS/Access/Clock for ALMAK
Status	Completed
Project	Iraq MOE ETP NT18 Project Comms System
Content	PLC/PSE/PABX for Siemens
Status	Completed
Project	Iraq MOE ETP NT15 Project Comms System
Content	PLC/PSE/PABX/Mux for Siemens
Status	Completed
Project	Istanbul Metro Taksim 2nd Phase – Yenikapı Line for Alarko
Content	SDH/MUX/CCTV/PA/PIS/Access/Clock
Status	Under implementation
Project	Abu Dhabi Ras Al Khaimah Project
Content	SDH/FMX/PABX/GA/PSE
Status	Completed
Project	Iraq Ghammas S/S Project Comms System
Content	PLC/PSE/PABX for Siemens
Status	Completed
Project	Çolakoğlu Dilovası Comms & SCADA System
Content	SDH/FMX/PSE/PABX/Modems/LL/SCADA/RTU
Status	Completed



Project	Nigerian Agip Oil Company - Comms System
Content	MW/Mux/Shelter
Status	Completed
Project	Istanbul Ulaşım A.Ş. – LRT SDH & Management System
Content	SDH (STM-1/4/16) and IONOS NMS System
Status	Completed
Project	Modern Enerji Comms System
Content	SDH/FMX/PSE/PABX/Modems/LL
Status	Completed
Project	Iraq M.of Oil – Daura-Shuiaba Pipeline Comms System
Content	FOC, SDH, FMX, NMS, PABX, Mobile Radio, Dispatcher
Status	Completed
Project	Iraq WII / MOE SCADA System Refurbishment Project
Content	MW Radio Links and Multiplexers
Status	Completed
Project	Abu Dhabi Sweihan Project
Content	SDH/FMX/PABX/GA/CCTV/PSE
Status	Completed
Project	Gaziantep OSB Comms System
Content	Mux/PABX/Modems/LL
Status	Completed
Project	Iraq - Basrah 4 CPS S/S Project Comms System
Content	PLC/PSE/PABX/MW/Mux
Status	Completed
Project	Mersin Soda Comms System
Content	SDH/FMX/PSE/PABX/Modems/LL
Status	Completed
Project	Karadeniz Enerji Silopi Comms System
Content	PABX/Modems
Status	Completed
Project	Basrah 6 CPS S/S Project Comms System
Content	PLC/PSE/PABX/MW/Mux for Siemens
Status	Completed



Project	Bares Rüzgar Santrali Comms & SCADA System
Content	SDH/FMX/PSE/PABX/Modems/LL/RTU
Status	Completed
Project	TEİAŞ 10 site FO SDH System
Content	SDH/FMX
Status	Completed
Project	Çerkezköy OSB Comms System
Content	SDH/FMX/PSE/PABX/Modems/LL
Status	Completed
Project	Abu Dhabi ADWEA Fujairah Project
Content	SDH/FMX/PABX/GA/CCTV/PSE
Status	Completed
Project	Istanbul Sultanciftligi Fast Tram System, 1st section
Content	FO, SDH, Turnstiles
Status	Completed
Project	Göлтаş Çimento Comms System
Content	SDH/FMX/PSE/PABX/Modems/LL
Status	Completed
Project	Iraq Electric Co. – Amara/Buzurgan P/P
Content	SDH/FMX/PABX/DECT/PLC/PSE/RTU for Shaw
Status	Completed
Project	Iraq Electric Co. - Al Ameen S/S
Content	FMX/HDSL/PSE for Kellog Brown and Root
Status	Completed
Project	Akenerji Yalova P/P
Content	SDH/FMX/PSE/PABX/Modems/LL
Status	Completed
Project	Akenerji Kemalpaşa P/P
Content	SDH/FMX/PSE/PABX/Modems/LL
Status	Completed
Project	Istanbul Zeytinburnu – Bağcılar Fast Tram System
Content	FO, SDH, PABX, PA, SCADA, Turnstiles, TETRA Radio
Status	Completed



Project	Iraq Electric Co. North Samara 400KV S/S
Content	PLC/PSE/PABX/MW/Mux/Intruder/PA/CCTV for Siemens
Status	Completed
Project	Istanbul Eminonu-Kabatas Tram Line
Content	FO, SDH, PABX, SCADA, Turnstiles, TETRA Radio
Status	Completed
Project	Iraq Electric Co. – BW & Akarkoof
Content	PLC/PSE for Siemens
Status	Completed
Project	Abu Dhabi ADWEA E19 Project
Content	SDH/FMX/PABX/GA/CCTV/PSE for Siemens Munich
Status	Completed
Project	Iraq Electric Co. – Baiji 400KV S/S
Content	FMX/PABX/MW Radio/PSE for ODEBRECHT
Status	Completed
Project	Poland – Eurocentrum Complex
Content	FO, SDH, PABX, CCTV, PA, Turnstile
Status	Completed
Project	Copenhagen – Underground Metro
Content	Train P.A., Passenger Info & CCTV technical assistance
Status	Completed
Project	Istanbul Metro Railway Comms System
Content	Trunked Mobile Radio System
Status	Completed
Project	Iraq Electric Co. / 7/2000 Project
Content	PLC/TPS/PABX/SCADA
Status	Completed
Project	Aria GSM 1800 System – 4 Cities in East
Content	Implementation of 58 BTS + 4 BSC
Status	Completed
Project	Police Force MW Links - Ankara
Content	MW Radio / FMX / NMS
Status	Completed



Project	Iraq Electric Co. Taji S/S
Content	PLC/PSE/PABX
Status	Completed
Project	Iraq Electric Co. 174/2000 Project
Content	PLC/PSE/PABX/SDH/FO/FMX for Siemens
Status	Completed
Project	Turkish Electric Co. National Load Dispatch Center
Content	Nationwide PABX / Dispatcher & Data system for Siemens
Status	Completed
Project	Turkmenistan – Balkanabad Electric Co.
Content	Multiplexer, HDSL, PABX, PLC, LMU,LT comms system
Status	Completed
Project	Saudi Arabia – Juba P.P.
Content	PLC, PABX, PSE Comms system
Status	Completed
Project	Saudi SWCC Pipeline Projects
Content	FMX commissioning along the water pipeline
Status	Completed