



TURNKEY TELECOMMUNICATION

SOLUTIONS

Most Strategic Location



What We Do?

- Delivering high quality integrated solutions for **Telecommunication and Data transmission** systems, giving a special focus on the ever-increasing field of **fiber optics**.

Our Scope

- Turnkey Infrastructure ISP & OSP Projects.
- Turnkey Networking, Data & HW Solutions.
- Turnkey SW Solutions.
- Turnkey Training Solutions.



Mission

To provide the global market with state of the art Telecommunication technologies.

Vision

To fully utilize our expertise to acquire the biggest projects in EMEA.



Core Values

At TTS, we are fully committed to customer satisfaction through trust, integrity and transparency.

- Focus on customer satisfaction.
- Flexible organization scheme based on team working.
- Awareness of market needs & competitors position.
- Well established global & regional connections.

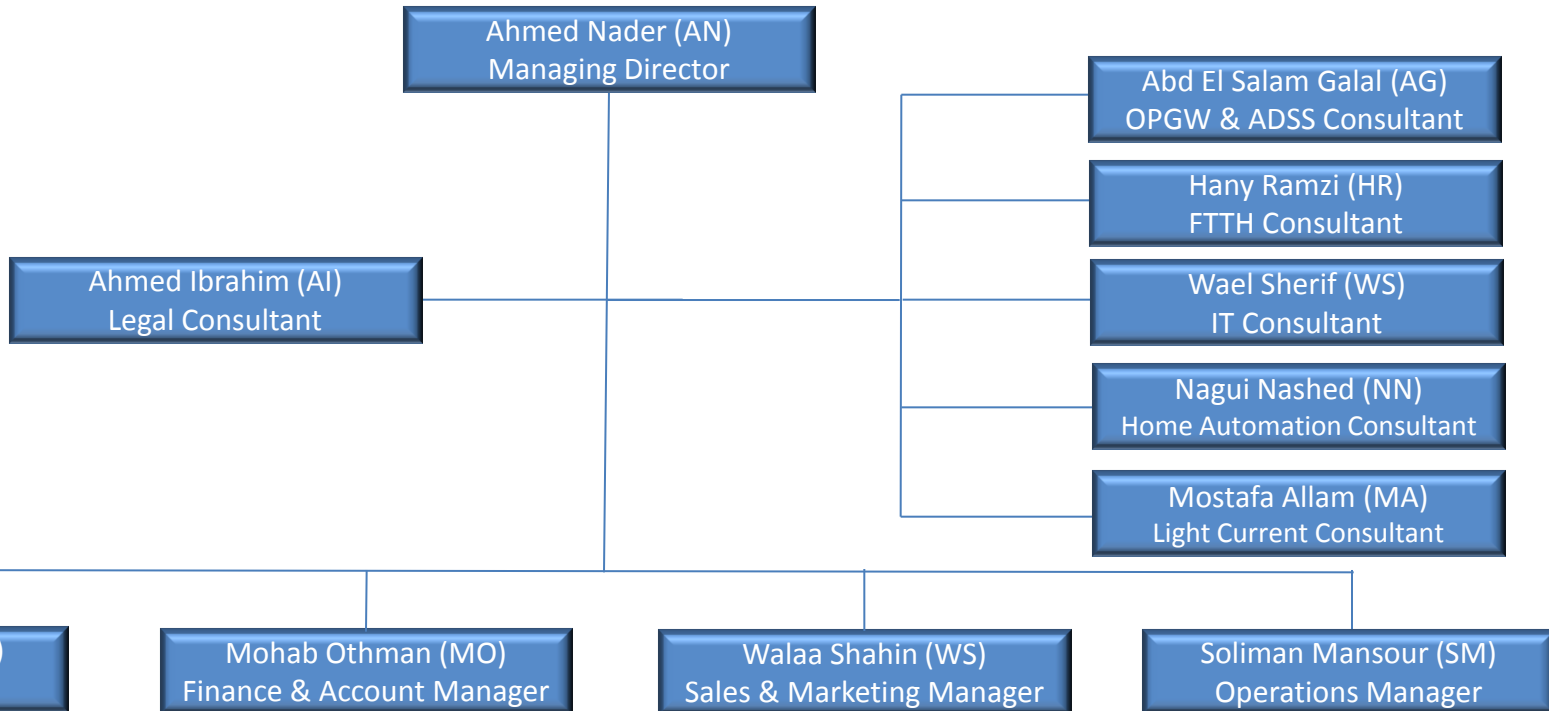


We Are Different

- More than fifty percent of our team are engineers.
- Thirty percent of our budget is allocated for R&D and after sales support.
- Excellent global and regional presence.
- Investing in people not in business.
- Delivering through experts not facilitators.



4M- Man Power



4M- Material / Machine / Money

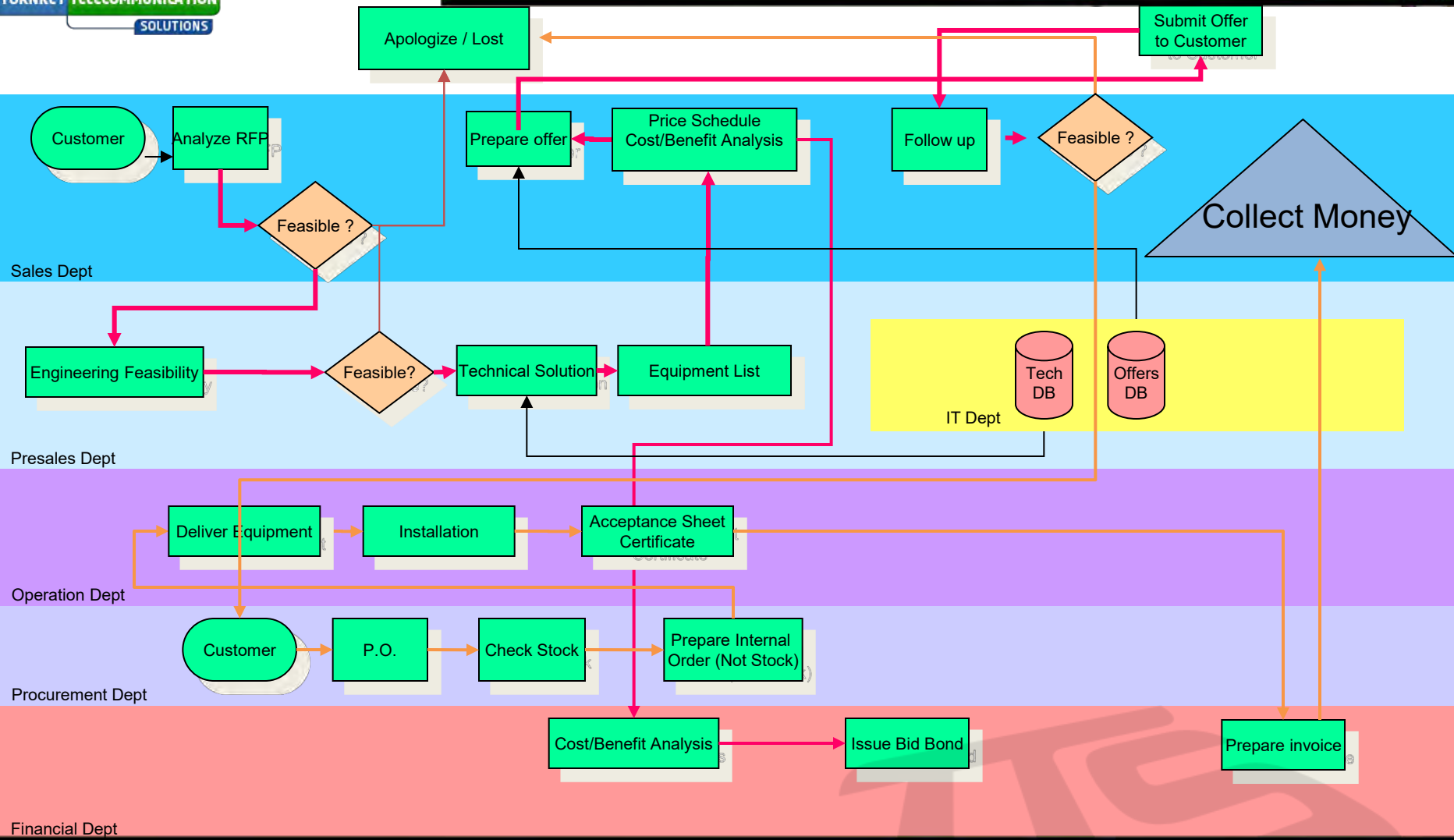
- TTS has launched its own **Production** line for Fiber Optics accessories as Optical Distribution Frame "ODF", Pigtails and Patch cord.
- TTS has advanced **Machine:**
 1. Fujikura 60S
 2. Fujikura 70S
 3. JISDU T-Berd 6000
 4. EXFO MaxTester 715B
- TTS Turnover exceeding **EGP 15 Million.**



Operation Framework



Workflow Chart



Infrastructure ISP &
OSP Projects

Networking, Data &
HW Solutions

SW Solutions

Training Solutions

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Fiber Optic & Copper

OPGW & ADSS

FTTH

Survey

Fiber Optic & Copper

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- Supply, Install of Telecom Cables and Accessories.
- Civil work.
- Installation F. O. (Laying, Pulling, Blowing and Floating).
- Fusion-Splicing Technique, Testing and Commissioning.



OPGW & ADSS

- Calculation of spans, drum lengths, etc.
- Supply, Install of Telecom Cables and Accessories (instruments , repair units, etc).
- Supervision of installation, to ensure correct cable stringing, sagging, tensioning and splicing.
- Testing and Commissioning.



FTTH

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- Supply and Install of Telecom products and Accessories (as Feeder, Distributer, Splitter, Cabinets CB, ONU, Switching, Home CBE, All indoor cabling, Cabling system & Infrastructure).
- Civil Work.



Survey

- Survey work.
- Roads work.
- Construction work.
- Utility work.
- Communication Network.



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FTTH

IPCAM

IPTV

Security Solutions

Servers & Workstation

Home Automation

IPPHONE

Video Conferencing

Routing & Switching

Wireless Solutions

FTTH

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- Supply, Install of Telecom products and Accessories (as Feeder, Distributer, Splitter, Cabinets CB, ONU, Switching, Home CBE, All indoor cabling, Cabling system & Infrastructure).
- Civil Work.



Home Automation

- Supply and Installation of Telecom products and Accessories (Gates, Readers, Access Control, 3G Switching and Control Panel).
- Designing a different solutions for automating your daily home life.
- Providing a different lighting, sounding, monitoring and home security controlling.
- Solutions for different configuration of housing.



IPCAM

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- Supply, Installation and Configuration of IPCAMs with specs:
 - . Fixed and PTZ (Pane/Tilt/Zoom).
 - . Wide range of resolution.
 - . Single lens CAMs and Mutlilense CAMs.
 - . Day/Night .
 - . POE CAMs .
- Supply and Installation of NVR, Switches, Injectors, Splitters and NAS.



IPPHONE

- Supply, Installation and Configuration of:
 - . Analog Gateways (FXS/FX0/E&M).
 - . Digital Gateways (E1/PRI).
 - . Channel Bank & GSM Gateways.
 - . IP Telephones, Routers, Switches, Call manager and CDR.



IPTV

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- Supply and Installation of Telecom products and Accessories:
 - IPTV Set-top Boxes.
 - IPTV CA/DRM Solution.
 - IPTV STB Middleware.
 - IPTV Middleware.
 - IPTV Head ends/Encoders.
 - IPTV Distribution Solutions.
 - Video on Demand Systems.
 - IPTV Test, Measurement and Service Quality Solution.



Video Conferencing

- Designing and Drawing for video conferencing solutions:
 - Tele-presence / Real-presence .
 - Room systems / Personal system.
- Supply, Installation and Configuration of Codec, Camera, Display and External media units.



Security Solutions

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- Designing and Drawing security solutions:
 - Web Application Firewalls (WAFW)
 - Application Firewalls (AFW)
 - Stateful Firewalls (SFW)
 - Intrusion Prevention System (IPS)
 - Virtual Private Network (VPN)
 - Anti Virus (AV)
 - Anti Spyware (AS)
 - Content filtering
- Design integrated security systems (UTM).



Routing & Switching

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- Designing and Drawing Routing and switching solutions:
 - 10 Gig Switches, POE Switches, Multilayer Switches, Backbone Switches, ... etc.
 - Backbone Routers, Security Routers, IP.4/6 Routers,... etc.



Servers & Workstation

- Designing depend on Application.
- Supply & Installation of servers and workstations.
- Configuration.



Wireless Solutions

- Designing and Drawing for Indoor and Outdoor Wireless solutions; GSM, UTMS (3G), LTE (4G), Wimax.
- Design, Supply and Installation of Wireless Controllers (WC) (support 12-1000APs).
- Design, Supply and Installation of Wireless PTP,PTMP and Mesh Networks.
- Design, Supply and Installation of Bridge and Access Points (AP).



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CMS

CRM

ITSM

Security Solutions

Network Monitoring

Imaging Solutions

Cloud Solutions

VOIP

Custom Solutions

Content Management Solutions (CMS)

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- Building WebSites, blogs and powerful online applications, using Wordpress and Joomla.



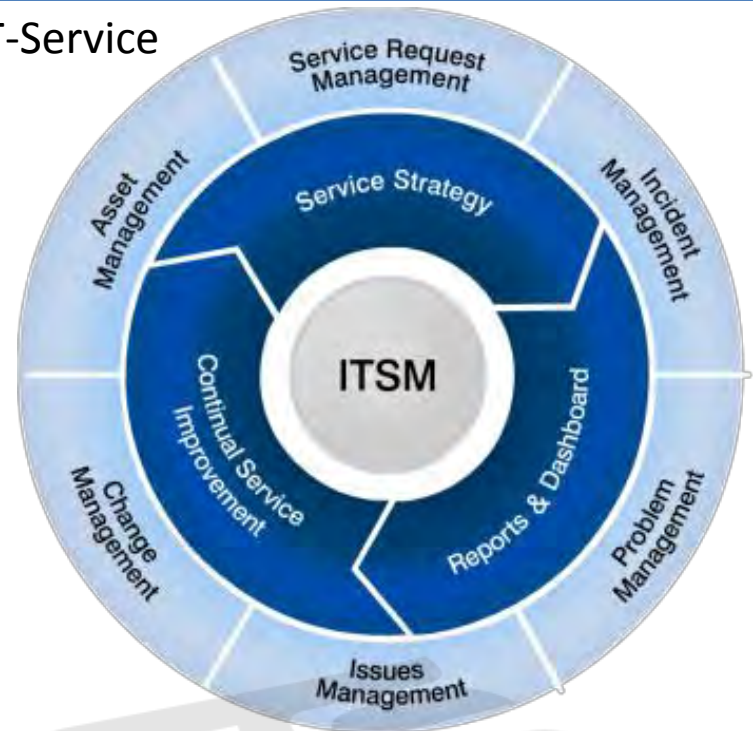
Customer Relationship Management (CRM)

- Boost Sales, Retain Customers and Save Money, Sales Force Automation (SFA), Marketing Automation, Support Automation.



ITSM

- ITSM solutions provides A flexible Help Desk and IT-Service Management Software



Security Solutions

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- We provide security appliances and solutions that's high quality and low price.
- Web based management, stateful packet inspection, proxies, anti-virus, anti-spam, content filtering and VPN.



Network Monitoring

- Monitor your entire IT infrastructure Spot problems before they occur
Know immediately when problems arise, Share availability data with stakeholders, Detect security breaches Plan and budget for IT upgrades.



Imaging Solutions

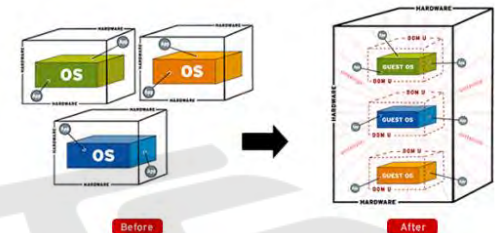
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- Easy imaging solutions (cloning, OS deployment) that's easy to use and with a wide range of OS support, Multicast, Machine inventory.
- Works for Schools, universities and companies that require setup of huge number of PCs in a very short time.



Cloud Solutions

- Virtualization or cloud computing is on demand because of it's good utilization of resources and reduction of time it require to enable any new service.
- It will save you money and time.



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VOIP

- Now a full Unified communications solution is far easier, cheaper and is not closed on one manufacturer.
- We provide both phones, servers and software.

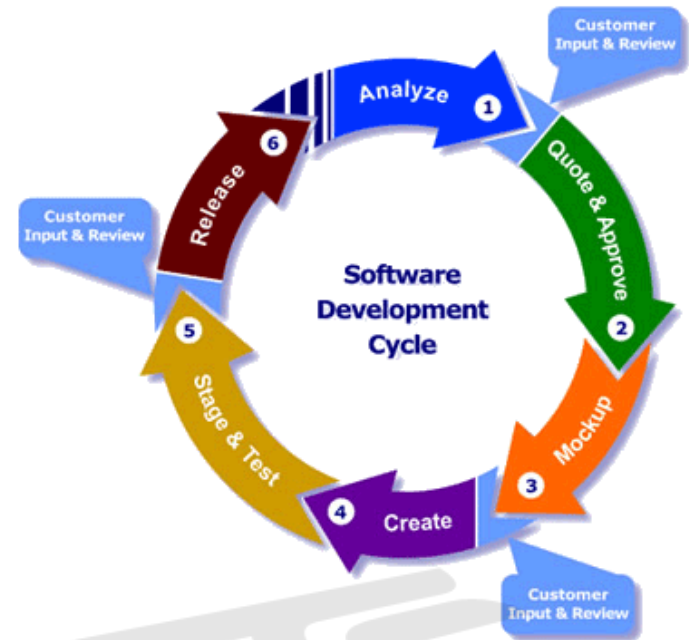
digium IP Phones
Designed for Asterisk & Switchvox



Custom Solutions

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- We can develop custom solutions like ERP, Project management, CRM, etc.



- TTS has established the training department in Egypt, Providing their trainees from Egypt & the Middle East a highly effective trainer's experience in the fields:
 1. Infrastructure ISP & OSP Projects.
 2. Networking, Data & HW Solutions.
 3. S.W. Solutions.





Joint Venture



***premium
line***

Pan Dacom Direkt

tilgin

digium®



endian

Customers Sectors

Telecommunication

Real Estate Developers

Oil & Gas

Electricity

Transportation

Banks

Industrial

Government

Our Projects - Electricity

Customer	Owner	SOW
ABB	Petropel-Enppi (Abourdis)	Supply and Installation of Fiber Optic accessories.
ABB	Enppi WBS	Supply of Network Cables.
ABB	New Sohag Plant WTP	Supply of 1Km Fiber Optic Cable.
ABB	Cairo Airport Plant	Supply and Installation of Fiber Optic accessories.
ABB	Ainshams CARDIAC	Supply of Network & Control Cable.
ABB	Global Energy-TAQA Power (Sharm El Sheikh)	Supply and Installation of 2.2 Km Fiber Optic cable with accessories.
ABB	Abou Qir Electricity Plant BMS	Supply of Network Cables, Fiber Optic accessories.
ABB	AlexFert	Supply and Installation of Fiber Optic cables with accessories.
ABB	Helwan Cement Industry	Supply of Fiber Optic accessories.
ABB	El Shaikh Zayed	Supply of Fiber Optic accessories.
ABB	Sanitary drainage station of Abou Rawwash	Supply and Installation of 15 Km Fiber Optic cable with accessories.

Our Projects - Electricity

Customer	Owner	SOW
ABB	Egyptian Petrochemical Co. (EPC)	Supply and Installation of 1Km Fiber Optic cable with accessories.
ABB	Egyptian Petrochemical Co. (EPC)	Surveying, Splicing and Testing.
ABB	EDFU Plant WPS	Supply of 4 Km Fiber Optic cable.
ABB	High Dam & ASWAN II	Supply of Network Cables.
ABB	Giza North Plant-1500MW	Supply of Fiber Optic Accessories and Network Cables.
ABB	Toshka S/S	Supply of Fiber Optic accessories.
ABB	West Delta HV Protection Relays	Supply of Fiber Optic accessories.
ABB	Badr I&II WTP	Supply of 4 Km Fiber Optic Cable.
ABB	Damanhour CC Gas Turbine	Supply and Installation of 2.4 Km Fiber Optic cable with accessories & Supply of Network cables.
ABB	Damanhour CC Gas Turbine	Maintain the line, Supply accessories, Splicing, Termination & Testing.
ABB	Madinet Naser FAT	Supply of Fiber Optic accessories.

Our Projects - Electricity

Customer	Owner	SOW
ABB	Danone Egypt	Supply and Installation of Fiber Optic cables with accessories with Octopus technology.
ABB	Sanofi in Egypt	Supply and Installation of Fiber Optic cables with accessories with Octopus technology.
ABB	GUPCO	Maintain the line, Supply accessories, Splicing, Termination & Testing.
ABB	GUPCO	Supply and Installation of 1.6 Km Fiber Optic cable with accessories.
ABB	Khalda Petroleum Company	Supply and Installation of 2.5 Km Fiber Optic cable with accessories.
ABB	General Petroleum Company (GPC)	Supply and Installation of Fiber Optic accessories.
ABB	General Petroleum Company (GPC)	Supply and Installation of 300m Fiber Optic cables with accessories.
ABB	Attol Project	Supply and Installation of Fiber Optic cables accessories.

Our Projects - Electricity

Customer	Owner	SOW
Siemens	Nile Sugar	Supply, Splicing, Termination & Testing for 3.5 Km Fiber Optic cable with accessories.
Siemens	City Stars	Supply, Splicing, Termination & Testing for Fiber Optic accessories of surveillance cameras.
Siemens	Ministry of Finance	Supply of Temperature Log GSM RTU Modem.
Siemens	Abou Qir Electricity Plant BMS	Maintain the line, Supply accessories, Splicing, Termination & Testing.
Siemens	Beshay Steel Co.	Surveying for the Plant.
Siemens	Enppi	Supply of Fiber Optic Accessories.
Siemens	Port Saaïd Sea Port Container	Supply and Installation of 21Km Fiber Optic cable with accessories, and Supply HP Switch's & Fiber Optics Accessories.
Siemens	Nile Ritz Carlton Hotel El Tahrir	Supply KVM Extender USB Type with accessories.
Siemens	Raya Plaza 6 th of October	Supply KVM Switch's Compo Console.

Our Projects - Electricity

Customer	Owner	SOW
El Sewedy PSP	Suez Gulf Substation	Supply and Installation of Fiber Optic cables with accessories.
El Sewedy PSP	Beni Suef Plant	Supply and Installation of Fiber Optic cables with accessories.
El Sewedy PSP	West Damietta Plant 105 Simple Cycle Heat Recover Steam	Supply, Installation for 1Km FOC with all accessories, Switches and Media Converters
El Sewedy PSP	El Shabab Plant 105 Combined Cycle Heat Recover Steam	Supply, Installation for 2Km FOC with all accessories, Switches and Media Converters
El Sewedy PSP	Mahmoudia power plant 2X165 MW	Supply and Installation of Fiber Optic accessories and Media Converters.
El Sewedy PSP	ATAQA Project	Supply and Installation of 1.2 Km FOC with all accessories and Media Converters.
El Sewedy PSP	El Tebbin Plant	Supply and Installation of Fiber Optic accessories.
El Sewedy PSP	Cairo North Station	Supply and Installation of Fiber Optic accessories.

Our Projects - Electricity

Customer	Owner	SOW
Electro Tharwat	Abou Qir Thermal Power Plant units 6 & 7 2X650 MW Gas/Oil Fired Units	Supply and Installation of Fiber Optic accessories.
Electro Tharwat	Abou Qir Thermal Power Plant units 6 & 7 2X650 MW Gas/Oil Fired Units	Maintain the line, Supply accessories, Splicing, Termination & Testing.
Electro Tharwat	West Damietta Plant 4X125MW (105)	Supply and Installation of Fiber Optic accessories.
Electro Tharwat	West Damietta Plant 4X125MW (117)	Supply and Installation of Fiber Optic accessories for Fire Alarm systems.
Electro Tharwat	Banha Power Station – 750 MW Combined Cycle Power Project	Supply and Installation of Fiber Optic accessories.
Electro Tharwat	Giza North Power Station 1,2 and 3 Phases – 3000 MW	Supply and Installation of Fiber Optic accessories.
Electro Tharwat	Al Ein El Sokhna Supercritical Thermal Power Plants Units 1&2 2X650 MW Gas/Oil Fired Units	Supply and Installation of Fiber Optic accessories.
Electro Tharwat	Mahmoudia power plant 2X165 MW	Supply and Installation of Fiber Optic accessories.
Electro Tharwat	Helwan plant	Supply and Installation of Fiber Optic accessories.

Our Projects - Electricity

Customer	Owner	SOW
Electro Tharwat	West Damietta Plant 105 Simple Cycle Heat Recover Steam	Supply and Installation of Fiber Optic accessories.
Electro Tharwat	West Damietta Plant 117 Simple Cycle Electrical Work	Supply and Installation of Fiber Optic accessories.
Electro Tharwat	El Shabab Plant 105 Combined Cycle Heat Recover Steam	Supply and Installation of Fiber Optic accessories.
Electro Tharwat	El Shabab Plant 117 Combined Cycle Electrical Work	Supply and Installation of Fiber Optic accessories.
Gamesa	Egypt New & Renewable Energy Authority (NREA) (Danida Project)	Supply, Splicing, Termination & Testing for 144 ODF with accessories of Danida Project.
Gamesa	Egypt New & Renewable Energy Authority (NREA) (Danida Project)	Training for Splicing & Testing for NREA team.
Gamesa	Egypt New & Renewable Energy Authority (NREA) (Z85 Project)	Supply, Fusion Splicing, Termination & OTDR Testing (Troubleshooting).
Gamesa	Egypt New & Renewable Energy Authority (NREA) (JIBIC Project)	Supply, Fusion Splicing, Termination & OTDR Testing for one circuit with accessories (Troubleshooting).

Our Projects - Electricity

Customer	Owner	SOW
EETC- Egyptian Electricity Transmission Co. (ARCC)		Supply of Fiber Optic Accessories - 50 Closures -.
EETC- Egyptian Electricity Transmission Co. (CRCC)		Supply of Fiber Optic Accessories – 48 Closures -.
EETC- Egyptian Electricity Transmission Co. (NRCC)		Supply of Fiber Optic Accessories – 6 Closures -.
MISC	Belbais Water Treatment plant	Supply and Installation of Fiber Optic cables with accessories.
MISC	General Petroleum Company (GPC) Sannan, Abu-Al-Gharadeek	Supply and Installation of Fiber Optic cables with accessories.
MISC	SIDPEC	Supply and Installation of Fiber Optic accessories.
MISC	Ismailia Sugar Factory	Supply and Installation of Fiber Optic accessories.
Ansaldo	El Shabab Plant	Supply 1 Km FOC.
Ansaldo	Giza North Power Station Phase 3	Supply and Installation of Fiber Optic cables with accessories.

Our Projects - Electricity

Customer	Owner	SOW
Carlo Gavazzi	El Shabab Plant	Supply and Installation of Fiber Optic accessories.
Carlo Gavazzi	West Nile Delta – WND	Supply and Installation of Fiber Optic accessories.
Carlo Gavazzi	Zohr Project	Supply and Installation of Fiber Optic accessories.
ACBoilers	West Damietta Plant 117 Simple Cycle Electrical Work	Supply of Fiber Optic accessories.
ASEC	TITAN Co.	Supply, Installation for Active – Cisco Router - and Passive – FOC & UTP Solution - included accessories.
KEC	South Helwan P.P. / Zahraa EL-Maodi SIS 500 kV Overhead Transmission Line	OPGW Drum Supply, Splicing and Testing Works
TAQA Power	Global S/S Sharm El Sheikh	Supply of Fiber Optic Accessories.
Five Builders	Beni Suef Plant	Supply and Installation of Fiber Optic accessories.
ICAT	National Organization for Potable and Wastewater and sanitary Drainage (NOPWSD)	Supply , Pulling, Splicing and Testing of Fiber Optic Cable and Accessories.
Energy	Sokhna Interconnection 55 KV Overhead T/L	OPGW Splicing for 40 BOX.

Our Projects - Electricity

Customer	Owner	SOW
International Cables Co. - ICC		Supply of Fiber Optic accessories.
Egyptian Marketing Consultants - EMC	Giza North Power Plant	Supply and Installation of Fiber Optic accessories.
Advanced Technology Laboratory (ADTL)	El Behera Station Project	Supply and Installation using Fan Out Technology of 2.5 Km Fiber Optic cable with accessories.
Accurate	Beni Suef Plant	Supply and Installation of Fiber Optic accessories.
CONTAQA	محطة كهر وخطي أسريوط	Supply and Installation of Fiber Optic accessories.
CONTAQA	محطة كهر باء أسريوطا لمربعة	Supply and Installation of Fiber Optic accessories.
METCO	Cement Areesh Co.	Supply and Installation of Fiber Optic accessories.
Alpha Naft		Supply of Fiber Optic Accessories.

Our Projects - Telecom

Customer	Owner	SOW
Etesalat Innovation	Ministry Of Civil Aviation	Supply, Splicing, Termination & Testing for Fiber accessories.
Etesalat Innovation	Egyptian Company for Airports	Supply, Splicing, Termination & Testing for Fiber accessories.
Etesalat Innovation	Cairo International Airport	Splicing, Termination & Testing for Fiber accessories.
El Sewedy 3W Network	Egyptian Electricity Transmission Co. (EETC)	Testing for Fiber Network of Cairo West Power Station.
El Sewedy 3W Network	Egyptian Holding Company for Airports and Air Navigation (EHCAAN)	Testing for Fiber Network of Cairo Airports.
BTC Networks	Suez Oil Company (SUCO)	Turnkey Project 10Km FOC and 2000 notes UTP.
BTC Networks	Arab Banking Corporation H.Q. at Zamalek (ABC)	Installation of Network cable- Racks systems-.

Our Projects - Telecom

Customer	Owner	SOW
Fujitsu	Hyper One	Supply of FOC accessories.
Global Immersion	Children Museum Heliopolis Association	Supply and Installation for all FOC accessories.
Equinox	Vodafone	Supply of FOC Accessories.
Intercom	Air Defense stadium - ADS	Supply of FOC Accessories & OTDR Test.
Global Brands	BNP Bank	ORDT Test for 4000 Cores.
Oasis Distribution		Fabrication of Patch Cord's
IMS	Naga Hammadi Station	Fusion Splicing and OTDR Testing .
C&CC		Supply of Oring Industrial Media Converters.
Digital Connection	Sidpec	ORDT Test .
ESI	Damac Project	Supply of FOC accessories & OTDR Test.
PC Planet	TITAN Co.	Maintain the line using OTDR Test.
Telecom Cluster	Savola Co.	Installation of 9 Km Fiber Optic cable with accessories.
Telecom Cluster	Ghabbour	ORDT Test.

Our Projects - Telecom

Customer	Owner	SOW
Fiber Tech	Libyan Team	Training on splicing & Testing & Project Management.
Fiber Com		Supply of FOC accessories.
Optecs	Damanhour University	Supply and installation of 1.5 Km FOC with all accessories.
Wave Come	Haikesteb	Fusion Splicing and OTDR Testing.
GNS	القاع طلق بحرية رأس النين	Supply, Splicing, Termination & Testing for Fiber Optic accessories of surveillance cameras.
IP PROTOCOL		Supply FO Accessories

Our Projects - Construction

Customer	Owner	SOW
Orascom	مشروع محطات كهرباء أسري وطالمر لفة	Supply, Splicing, Termination & Testing for Fiber Optics cables and all accessories.
Orascom	لحرب العمل عاصمة ١ داري نال جيدة	Supply, Splicing, Termination & Testing for Fiber Optics cables and all accessories.
Arab Contractors	El Saf Water Station	Supply 2Km Fiber Optic Cable.
Arab Contractors	Damro water station	Supply & Installation of Fiber optic with accessories.
Arab Contractors	Sanitary drainage station of Abou Rawwash	Maintain the line, Supply accessories, Splicing, Termination & Testing.
Arab Contractors	Water Abbasi station	Supply & Installation of Fiber optic accessories.
Eisa Construction	Domiatt Port	Supply and installation of 21 Km FOC.
Dar El Emara	Ministry of Militray Production	Supply and installation 4 Closures (Troubleshooting).
Talaat Moustafa	Banks Complex Building-Madinaty	Supply of 3 Km Fiber Optic cable.
GS	ERC	Supply & Installation of Fiber optic accessories.
BECHTEL	WND Project	Supply and installation Telecommunication Scope.

Our Projects - Construction

Customer	Owner	SOW
Eng. Abd El Halim Ahmed office	Egypt New & Renewable Energy Authority (NREA) (Danida Project)	Supply, Splicing, Termination & Testing for all closures with accessories to for 39Km Fiber Optic cables.
Eng. Abd El Halim Ahmed office	Egypt New & Renewable Energy Authority (NREA) (Danida Project)	Supply, installation for heavy current programmable transducer.

Our Projects – Industrial/ Government/Real Estate

Customer	Owner	SOW
Oriental Waver		Supply, Splicing, Termination & Testing for Fiber Network between Plant & Station.
Alex Fert		Supply and Installation of Fiber Optic accessories.
Pachin		Supply & Installation of Workstation.
RHI		Supply of FOC accessories.
Egyptian Media Production City (EMPC)		Supply HP Switch's UTP & Fiber with JIBIC Module and Detect/Fix errors using OTDR for FOC working system.
Egyptian Media Production City (EMPC)		Supply HP Switch's UTP & Fiber.
Taba Hights		Splicing, Termination & Testing for Fiber Network of Egyptian Company.

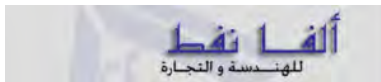
Our Projects – Petrol/Financial /Education

Customer	Owner	SOW
Petrojet		Supply, Installation for Active – JIBIC - and Fiber optic accessories.
Suez Oil Company (SUCO)		Supply Fiber optic accessories.
SUMED		Supply & Installation of Fiber optic accessories.
ECHEM		Supply Fiber optic accessories.
British Petroleum Company - BP	WND Project	Supply and installation Telecommunication Scope.
German University in Cairo (GUC)		Training on Admin, Sales, Marketing, Accounting, Project Management and F.O.C. Field.
Arab Banking Corporation (ABC)		Supply of Network Cables.
CARAVAN		Supply of FortiGuard UTM Bundle.
Nile Logistic		Supply of Rack.

Our Customers (Electricity)



Our Customers (Petrol)



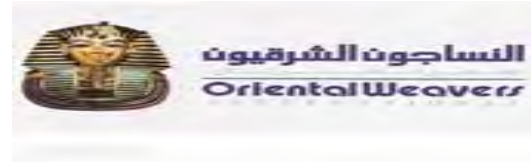
Our Customers (Telecom)



Our Customers (Industrial)



أسمنت حلوان
Helwan Cement



SANOFI





الشركة المصرية للمطارات
EGYPTIAN AIRPORTS CO.



CAIRO
INTERNATIONAL
AIRPORT



Our Customers (Government)





Our Customers (Tourism)



THE RITZ-CARLTON®



Our Customers (Banks)



BNP PARIBAS



بنك المؤسسة العربية المصرفية
ABC Bank

Our Customers (Education)





THANKS,