



extreme
engineering
solutions

www.eespak.com

ISO 9001 : 2008 Certified

CORPORATE COMPANY PROFILE



infrastructure
development

telecom
solutions



operation and
maintenance
services

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ABOUT THE COMPANY



Extreme Engineering Solution (Pvt) Limited was established in year 2004 as a telecommunication company. Since then our primary focus has been upon serving multinational service providers through various services related to telecom. Through our extensive task history we have developed a customer service oriented business philosophy. Proactive and timely customer service is the backbone of our company.

"EES" has become a strength in the Telecom Industry of Pakistan by providing customers with value addition services for network infrastructure development as well as providing solution under one roof for Supply, Maintenance & Optimized Network Performance Services.

We have developed into one of the fastest emerging company within the industry and having a work force of over 610 employees and 35 offices nationwide i.e. one of the major vendor in Pakistan to provide state of the art products and services with optimized Maintenance and Support.

Having diverse experience in Telecom Services along with our team of professionals that has set bench mark of performance in the industry ,we are currently being operational overseas in Saudi Arabia , UAE & Uzbekistan (Partner Company already started work with NSN in BSS Roll-out) and preferred vendor of choice of our esteemed Global Customers here in Pakistan.

Having diverse experience in Telecom Services along with our team of professionals that has set bench mark of performance in the industry we are now going overseas to Saudi Arabia and UAE as preferred vendor of choice of our esteemed Global Customers here in Pakistan.

Corporate Vision

Our vision is to be the leading builder of quality telecom infrastructure and provide solutions as well as operation & maintenance services in today's booming information and telecommunication industry which will enable our customers to build, maintain, operate and continuously improve their communications infrastructure and IT environment.

EES has set a vision to become a premier solutions provider company providing world leadership in digital solutions for the networked society - a society transformed by personalized solutions, all speaking the same digital language, all able to Communicate anytime, anywhere. In our chosen markets, we are trying to be the leader in client satisfaction, innovation, professionalism and superior quality solutions. We are the architect of responsive, fast, cost effective and creative solutions to our clients' benefit, compensation and their critical needs. Our teams combine technical excellence with a superior understanding of client needs and the environment in which our clients operate. We are committed to working partnerships with our clients that add value and consistently exceed expectations.



Company Mission

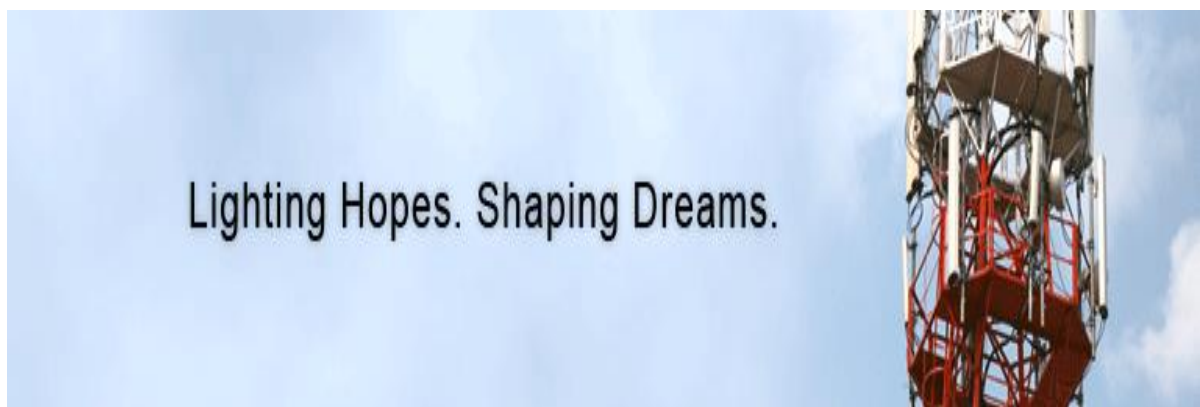


Extreme Engineering mission is to enhance the competitive advantage of our business, clients and to uplift the speed and convenience in the working and living lives of our customers by providing them with innovative, secure, cost effective and quality communication products, services and customized solutions. EES intends to achieve its mission through living the values we believe in and through continually leveraging its strategic core competences for competitive advantages. All our divisions work closely with our clients to go to the last mile satisfying them in every respect.

Performance Excellence



We provide services for every aspect of a project's lifespan, from the initial identification of a business requirement through to management and/or ownership of the resulting facility. We are experienced in every possible delivery method, but regardless of contract type we take responsibility for our role and actively manage every component of the process.



Our Presence & Achievements

- Managed Services (Non Telco) in Complete Central Region on 2400 Sites.
- Nationwide Core Locations (MSCs/MGWs) with manning
- Nationwide Offices & Call Centres
- Nationwide AC, UPS, LVC & IT support & maintenance to Huawei CS Dept.
- Installation & Commissioning of BSCs & BTS Sites
- Swapped 500 Sites in South Region (7B Project)
- DG Overhauling services
- In-house Backup DG provision on demand
- Logistics and Warehousing of Spares
- Managed Services (Non Telco) in Complete Central-I (500 Sites) and Central-II (1100) Sites since 2007
- Providing Telco PM services on 1600 Sites
- Nationwide Core Locations (MGWs)
- DG Overhauling services (Major and Minor for 7 to 1000 KVA)
- In-house Backup DG provision on demand
- Logistics and Warehousing of Spares
- Ufone Swap Phase 7.2B Project 100 Sites.
- Mobilink Swap Phase II Project 50 Sites.
- Mobilink SWAP Phase III 100 Sites.
- Mobilink Swap Phase IV Project 160 Sites
- Ufone Project BTS/BSC/M2000 Installation /Expansion
- CMPAK MW SWAP Project Central Region 100 Links
- CMPAK BTS SWAP Project 152 Sites TSSR Surveys
- IT Maintenance Project Nationwide (IBM,HP,DELL Servers & Desktops)
- HP Servers maintenance Contract for Huawei-PTCL
- A/C Maintenance PTCL – OFAN Nationwide
- Mobiserve O&M non Telco 500+ sites

- BTS Site construction for Siemens AG Dubai – Telenor Project Phase II & III (150 sites)
- BTS Site construction for NSN Pakistan – Telenor Project Phase III+, IV & V (200 sites)
- Operations and Maintenance BTS/BSS Sites Non – Telco complete scope – Telenor C-2 Region (1600+ sites)
- BTS Site Construction for Mobilink & CMPAK
- **UZBEKISTAN PROJECTS:**
- BTS Site construction for Bartec – NSN/UCCELL Project (200 Sites)
- Telecom equipment complete installation BTS site for Bartec – NSN/UCCELL Project (200 Sites)
- BTS SWAP – Dual Band Revision for Bartec – NSN/UCCELL Project (100 Sites)
- MSC/BSC Core sites dismantling and installation – NSN/UCCELL Project
- MSC/BSC Core Power Installation Project – NSN/Ucell
- MGW Installation Project – NSN/Ucell
- HiT Installation Project – NSN/Ucell
- LOS For BTS Sites ZTE/Ucell
- **AFGHANISTAN PROJECTS:**
- Optimization and network auditing for Roshen Telecom
- Operating Pay phones for Roshen Telecom all over Afghanistan
- BTS Roll Out throughout Afghanistan for Roshen Telecom
- Supply of Mobile Phone Hand sets and accessories throughout Afghanistan through Rabita's distribution network, approx. 7600 distribution points
- **MALDIVES PROJECTS:**
- Network Auditing and business planning consulting for Wataniya – Qatar Telecom (QTEL)
- Supply of Handsets and fixed wireless terminals to Wataniya
- Supply of BTS allied passive equipment

Companies under Extreme Group

- Extreme Engineering Solution (Pvt) Ltd.
- Extreme Engineering Systems (Pvt) Ltd.
- Eminence Systems (Pvt) Ltd.
- Vision Holding FZC, Sharjah-UAW
- SANI Telekom, Tashkent-Uzbekistan.
- Extreme Engineering Solutions, Riyadh-KSA
- HBS-Afghanistan
- Liaquat Ali Contractors Islamabad Pakistan.
- Rustam Extreme Engineering Solution, Dubai-UAE

GROUP REVENUE 5 BILLION+ 2010



Business Divisions

a) Infrastructure Development



EES is providing one window solution from Project Management to Resource Identification, Site Acquisition, and Site Construction to Site Hand over and full infrastructure development under one umbrella to cater the aggressive time lines set by any operator to roll out a successful network deployment in the cellular industry of Pakistan. Following are the state of the art products & services undertaken by EES:

- BTS, BSS, MSC Site Civil Construction and Rectification.
- Fabrication, Supply & Erection of Telecommunication Towers as per industry standards with our Joint Venture Fabrication Facility i.e. FABRELINE
- **(PRODUCTS OUTSOURCED – SERVICES INHOUSE)**
 - Air Conditioners
 - Standby Generators
 - Prefabricated Shelters
- Installation & Commissioning of indoor & Outdoor BTS sites equipment



● Civil Works

EES has entered in civil works with a great opportunity and we feel proud to take initiative. We have all the machinery, tools and man power for the civil works to meet our target in time and we try to meet our target before time. Because efficiency and commitment creates the different in competition.



○ HVAC Control Systems

EES has been a leader in the development of engineering services in Pakistan. With its ever-growing staff led by a group of permanent, experienced key personnel, EES has successfully performed far reaching engineering services for a multitude of jobs, large and small. EES is providing quality services for HVAC/Mechanical Works in Pakistan.

EES is a well-qualified and experienced engineering firm in performing the required Services and have its manpower capacity and its accumulated experience is one of the biggest engineering firms in Pakistan and is in a unique position to provide all the required engineering services like Designing, Procurement & Installation of HVAC/Mechanical Works under one roof.



Specialties of HVAC Systems

- To reduce to a very large extent the energy required to heat the building (Low energy house“)
- To reduce considerably the size of and thus the capital expenditure on the heating system for the building
- To reduce considerably the size of and thus the capital expenditure on the cooling system for the building (if necessary)



■ EES Forefront

- EES has achieved the recognition and awarded for being the best subcontractor on Siemens-Telenor project now known as NSN-Telenor (Nokia Siemens Networks).
- EES has successfully completed more than 350 Self Support telecommunication towers of all types i.e. rooftop, Greenfield etc. for mobile operator Telenor, Mobilink and Warid telecom, all over the country along with additional work on 200 sites in Hyderabad & interior Sindh Region with NSN-Telenor.
- With fiscal year 2005-06 revenues of USD \$2 million, EES has emerged to be fastest growing entity to help its customer's design, build, logistics, and telecom products through a network of facilities covering most areas of Pakistan.
- Rectification of BTS sites for NSN –Pakistan in South and central region.
- Other than the private sector, EES has worked in public sector with PTCL constructing Self Support and Guyed Mast Towers.
- EES has also been laying optic fibre cable numerous time connecting cities through exchanges.
- Renovation Works for Core Locations like MSCs, MGWs. Work related to Cleaning, Raise Floor Balancing, Unscheduled cleaning of tower and site area, (rooftop, MSC Hall, operation & Control room etc. regarding readiness of cleanness, removal of bird nests, hazard material and other hampering rubbish and/or dirt from Site as required. Fault rectification by repairing or replacing air-condition/ Fresh Air Unit part, as per manufacturer's guideline and manual, as per requirement. Fault repairing/rectification of UPS / inverter, Unscheduled Repairing/replacement of smoke detector, fire panel board, power supplies, backup batteries, control & environmental PCB as per condition.

b. Telecom Solutions



■ Optical Fibre Network Services

EES is also working as a consulting engineering firm specializing in the field of Fiber networks .EES provides planning, engineering and project management services for Fiber transmission networks, broadband wireless access networks, network management systems and broadcast facilities. EES has earned an international reputation for excellence in both engineering and Fiber Optics project management like

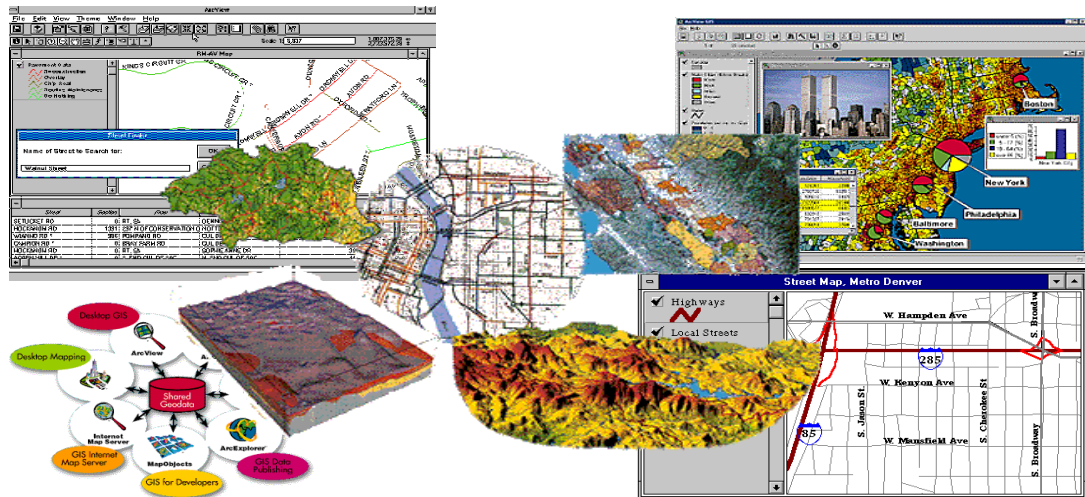
- Optical Fiber Network Planning.
- Survey, Designing.
- Computerization
- Cable Lying.
- Fusion Splicing.
- Testing.
- SDH/DWDM Commissioning.
- Drum Testing.



EES has highly skilled Professional Engineers who have worked not only in Pakistan but have worked internationally. EES has fully equipped itself to meet the future demands of the most modern communication network including Copper and Fibre Optic.

Engineering Division offers Network Planning, Survey, System Designing, Computerization, and Automatic Generation of BOQs from the drawing plans and Consultancy, etc.

- EES worked as an active partner in services with KHL and constructed 5400Km of largest Optic Fiber Long Haul Network of Warid / Wateen Telecom all across Pakistan in 14 months with its Joint venture Partner's KHL, including Drum Testing of Optical Fiber.
- Supply of Optical Fiber Equipment to various Telecom Companies.
- Optical Fiber Network Planning, Survey, Designing and Computerization of LAFCO Project with KHL for FWO.



- Consultancy for ROW for Wateen Telecom Long Haul Optical Transmission Network Project for Wateen Telecom /KHL.
- Network Survey, Engineering, Planning, Designing and Computerization of Fibre Optic Cable of 178,000 Lines and approximately 1,800 km for both Access and Junction Network awarded to Huawei Technologies for OFAN Phase II Project of PTCL (Southern Region) including Karachi, Hyderabad and Quetta.
- Carrying out on-going extension works of Metro Project in Karachi and Rawalpindi / Islamabad.
- Survey and Planning of fibre To The Home (FTTH) Project of Motorola/Verizon USA for 9 districts of Jeddah, Riyadh and Dammam, Saudi Arabia in coordination with Unicom ,Pakistan

■ Telecom Management



Having vast experience of top management in the Telecom Solutions we have developed an in-house strength of bringing famous global telecom active

and passive equipment suppliers under our banner to provide one window solutions to our customers including supply chain management, installation & commissioning on site.

- Leveraging on the latest technology and know-how, working with hundreds of customers nationwide, EES's focus is on providing cost-effective network solutions to network operators and service providers in following areas: enterprise, security, military, home and local access.
- In today's rapidly changing business environment, an effective, high quality and reliable system of communication is your key to success. New communication technologies can make your company more efficient, improve customer service and enrich your bottom line.
- EES is uniquely positioned not only to identify your specific needs, but to solve all your telecommunications problems with state-of-the-art services.
- EES is proud to offer a wide range of services, solutions & Equipment both for Data/Telecom Infrastructures, which we believe, offer the best value and service in their field. We also understand that all clients' needs are not the same, which is why if you cannot see exactly what you're looking for, our sales team will gladly guide you through all the options available and tailor a solution to better fit for customers.
- EES also provides Network Consulting, Network Access and transmission systems for fibre optic/copper cables & wireless.



■ Optical networks

Optical multiplexing (DWDM), fibre optic transmission and multiservice access solutions.

■ Data Communication

Local area networks, wide area networks and virtual private networks

■ Test and measurement

Wireless, optical fibre & copper testing measurement solutions

■ Telecom accessories

DDF & MDF solutions, cables & connectors, RF, optical and copper accessories, telecom exchange equipment, Telephone Cable Accessories (Jointing kits, UY Connectors, Fuses), HBA Cards, Patch Cords, switches & Relays.

■ Power Systems

Power backup systems, Uninterrupted Power Supplies, rectifiers & batteries, Generators, line conditioners.



■ Security/CCTV Surveillance

Security solutions using top of the line equipment for CCTV Surveillance infrastructure. Security devices like metal detectors, walk through gates, road blockers etc.



c. OPERATIONS & MAINTENANCE



■ Operation & Maintenance @network

This division of EES is involved in execution and maintenance of systems, equipment and components of telecommunication networks.

At EES, our key focus is our Customers' Business Success. We understand our customers need to increase revenue, decrease costs and improve productivity. With our expertise in design, installation, maintenance and management of wired and wireless communication networks and applications, the possibilities are limitless.



■ **What every customer should know about EES O&M Service!**

To insure optimal equipment performance EES O&M specialists perform assessment of the equipment condition, spot test the equipment's and logs the critical data points (temperature, pressures and electrical) over time.

- EES Network Operations Centre (NOC) monitors and supports over 1250 BTS, BSC and MSC sites all over Pakistan.
- NOC is operational 24 hours a day x 7 days a week x 365 days a year.
- Multiple mobile operators are supported to service a wide range of client needs.
- Systems are monitored and action taken often before the client is even aware that there is a problem.
- Trouble ticket management with detailed information every step of the way.
- Web-based reporting provides clients with secure access to view the performance of their monitored equipment, the status of current equipment and trouble tickets.
- Pro-active maintenance and support helps minimize downtime.
- Equipment replacements with guaranteed response times for equipment failures.

- Certified technicians are available in all cities all over Pakistan.
- Solid relationship with client helps minimize service issues.
- Service Level Agreement (SLA) – committed assurance.

■ Preventive Maintenance

At EES, our goal is to improve reliability and increase equipment life. Our risk reduction strategy helps our customers ensure their equipment runs efficiently, functions properly and does not fail prematurely. On a monthly, weekly or bi-annual basis, we can provide scheduled preventive maintenance depending on service level agreement. Many of today's mobile operators in Pakistan enjoy our full coverage service contracts, which include labour, parts and material as well as emergency service. We work closely with our customers to optimize performance and minimize the downtime of the following equipment.

- Diesel/Patrol power generators
- Scheduled fuelling of generator set
- Distribution Panels
- Air-conditioners
- Battery/Rectifiers
- Sequence controllers
- Line conditioner
- Fire Panel & sensors
- Fuel Tank Leakage
- Grounding
- Civil works



■ Corrective Maintenance

Effectively maintaining critical network components is vital to any business's success. Implementing an immediate, prepared response is material to the mission of every enterprise. We understand what

downtime means to our customers business so we strive to deliver our quickest response and our technicians try hard to cut down:-

- Inspection time - The time required by the technicians to check the equipment in order to detect the breakdown reason
- Repairing time - The time required by the technicians to repair/troubleshoot the equipment.
- Maintenance dead time - Time lost by the technicians while repairing the equipment/solving the problem, from the time they start doing it until the moment they finish the corrective task.

With our national coverage 24x7x365 support, our customers know they are always connected, with one reliable source...EES. We are in the business of making our customers successful. It is our commitment to ensure their business has a competitive advantage with leading technology. At EES, we sell success without boundaries.

EES professionals provide and implement advanced corrective management tools to maintain the total network. This helps our customer's service and correct infrastructure problems as soon they develop—or even before—so they remain completely transparent to end users.

EES has developed state of the art corrective techniques that mainly are:-

- 24/7 Customer Support
- Rapid Repair & replace
- Spares and stock management.
- Emergency Support



Quality Policy & Control

We have committed ourselves to provide efficient and reliable data communication services to our customers that equal the highest standard in the industry. Our aim is to contribute in the economic growth of our country through advancement to information technology.

- **HSEQ Policy**
- EES recognizes its responsibility as a provider of quality products/services. To this end, EES has developed and documented a quality management system. The quality system not less than the international standard ISO 9001:2008 as certified.

- Review of material certificates, supplier inspection records, compliance certificates, and any other relevant documentation delivered with the product.
- Random sampling based on statistical technique specified.
- Visual inspection to detect any damage or other visible problems.
- Performing measurements and testing against specified site requirements as required for Services.
- Recording the sample size, actual measurements, and inspection test results on the Inspection/Test & Audit Report and verified from customer after installations.



Key Quality control points are as under:

Quality Key Control Points			
Category	Quality Criteria	QA Methods	Quality Responsibility
Corrective Maintenance	Alarm/ problem escalation time	NOC reports/ OMC verification/ feedback	project team
Corrective Maintenance	CM Team response to escalated problems	Acknowledgement from ATL, NOC reports, customer feedback, quality audit	Project team
Critical Processes	Critical path analysis of processes and minimizing delays	Planning & Control, Strong follow-up and timely escalation	Project Team, Project Manager

Workmanship	skill level of workers	Trainings & skill development, Recognition & reward	Project team, HR
Data Analysis	Correct reporting techniques, data integrity & security	Quality audits for reports, customer feedback	Project Director & Management, NOC
Preventive Maintenance	workmen skills, tools, problem diagnosing applications availability and effective utilization	Quality audits, HSEQ based surveys, Team building	Project manager & Team, HR
Strategy	strategizing and keeping middle management confidence	Trainings & skill development, Recognition & reward	Project Director & Management, HR
Escalations & Customer Support	escalation of support to customer and customer trust and satisfaction	Levels of escalation defined, redundancy plan, focus on quality and customer satisfaction	Project team, Project Management

Major Functional Areas

■ Procurement

EES purchases all products and services that have an effect on the quality of services, from sources, which are assessed and approved on the basis of their ability to meet the requirements of quality, specification and the conditions of contract.

EES evaluates and selects its equipment/material vendors on the basis of their ability to meet equipment vendors and Quality requirements. We prefer vendors who have the ability to provide equipment, spare parts and material from original equipment manufacturer.

Equipment/Material vender's established track record of satisfactory past performance with EES for at least one year.

■ **Business Development Department**

EES Business development focuses towards marketing, sales, and development strategies for the company. We have a team of Professionals who are devoted to the business development and maintaining company's success.

Our team is there to highlight opportunities in the industry in order to expand current markets and bring in more revenues. Apart from BD work they keep company up-to-date on current industry trends and what business competitors are working on.

■ **Project Management Office**

EES has a seasoned Project management Office. Our experience has allowed us to build a team of Project Managers who have vast expertise with abilities to organize the projects and achieve project goals. They not only adapt company's strategies to remain competitive but all do their best to complete the projects within given timelines.

■ **Finance and Accounts**

EES Finance and Accounts department manages its money, business functions and is involved in planning, organizing, auditing, accounting for and controlling finances and producing company's financial statements.

■ **Product Development Department**

EES has recently structured a Product Development Department whose main aim is to analyse business requirements, monitor market trends and induct products which are required for company's business

growth. They also look into products pricing, custom tariff, Taxes, duties and legal requirements. Our Department aim is also focus to look into competitor business, managing all products in product line and perform product testing on various process.



Services Portfolio

- Managed Services (Non Telco & Non Telco).
- Operations and Maintenance of Core Locations with Manning.
- Operation and Maintenance of MGWs, Offices and Call Centres.
- Support and Maintenance of ACs, UPSs, LVC and IT.
- Installation & Commissioning of BSCs & BTS Sites
- Swapped, Wireless and TI services.
- Civil Site Roll-outs and Infrastructure Roll-out.
- DG Overhauling services.
- In-house Backup DG provision on demand.
- Logistics and Warehousing of Spares.
- Drive Testing Services.
- Dish Bracing, Antenna Height and RRU Expansion Services.

- BTS Site construction Services.
- Telecom equipment complete installation Services.
- BTS SWAP – Dual Band Revision Services.
- MSC/BSC Core sites dismantling and installation Services.
- MSC/BSC Core Power Installation and re-conditioning services.
- HiT Installation Services.
- LOS For BTS Sites
- Optimization and network auditing and business planning.
- **Multi-vendor, Multi-technology Wire line and Wireless networks**

Solutions Including:


- Transport, IP, Access Networks, Broadband, LAN,WAN, FTTx, RF
- Complete Telecom& Electronics Test Equipment
- Solar, Industrial Power Backup Solutions
- Installation & Commissioning Services.
- LAN Deployment
- Data Centres Monitoring & Deployment.
- Wired &Wireless Connectivity.
- Video Surveillance Deployment & Services.
- Conventional Alarm System
- Advance Intelligent Fire Alarm System
- Automatic Total Gas Flooding System (FM-200, Novec 1230,Co2)
- Site Electrical Power
- Environmental Controls i.e. Humidity, Temperature & Dust Particles Monitoring
- **TRANSMISSION SERVICES**
 - Network Planning
 - Detailed Network Design
 - Link Budgeting
 - Installation & Implementation
 - Operation & Maintenance

- GSM Transmission System Interconnectivity between BTS to BSC to MSC to PSTN
- Fixed Line Networks, Access and Core Network using Optical, Copper and Radio Systems
- **Optical Fibre Services like:**
 - Laying, Termination, Patching, Splicing, End-to-End Connectivity, Jointing etc.



Product Portfolio

EES represent world re-know global brands in Pakistan with diversified Product line as follows:

	<p>MAN Diesel & Turbo products cover four main areas:</p> <p>Turbomachinery Products , encompassing train capabilities, compressors, turbines and turbochargers.</p> <p>Reactors and Apparatus area, that is, the design, construction and assembly of constituent elements.</p> <p>The fourth area, green technology , has to do with the development of technologies to reduce emissions and increase efficiency.</p>
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	<p>We are developing green solutions for all our products.</p>
	<p>Redline Communications is the creator of powerful wide-area wireless networks for the most challenging locations and mission-critical applications. Redline networks are used by oil and gas companies to manage onshore and offshore assets, by militaries for secure battlefield communications, by municipalities to remotely monitor infrastructure, and by telecom service providers to deliver premium services.</p>
	<p>Midtronics believes in better battery management. Customers count on Midtronics to apply our extensive technical expertise and deliver customized battery management solutions to:</p> <ul style="list-style-type: none"> ▪ Reduce risk ▪ Improve reliability ▪ Minimize downtime ▪ Maximize return on investment
	<p>AEG Power Solutions' vision is leading innovative power management in the green energy revolution. Always leading through innovation, we aim to continually deliver improvements to power solutions across the globe.</p> <p>Our customers range from traditional power generation, oil, gas and petrochemical companies through to cutting edge renewable energy plants and polysilicon manufacturers.</p> <ul style="list-style-type: none"> ▪ Renewable Energy Solutions ▪ Energy Efficiency Solutions ▪ Power Services ▪ Smart Grid

	<p>Axis is the market leader in network video and a driving force behind the shift from analog to digital video surveillance, which paves the way for a more secure, smarter and safer world. Axis offers network video solutions for professional installations featuring products and solutions that are based on innovative and open technical platforms.</p> <p>Product Portfolio is based on analog to digital video surveillance, network video solutions and much more.</p>
	<p>Aztech is a dynamic international group with key activities in Electronics Design & Manufacturing, LED Lighting, Materials Supply, Marine Logistics and Food Supply.</p> <p>Aztech have successfully designed a solid line-up of ODM products in ADSL, home networking and wireless arenas.</p> <p>The Group is also involved in the design and manufacture of high quality, energy-saving LED lighting products with AZ e-lite With the tagline "Light Up with LED!, AZ e-lite has rolled out a range of LED lighting products and clinched several contracts to provide LED lighting at commercial buildings, public facilities, schools and condominiums in Singapore, Hong Kong and other countries.</p>
	<p>Remotek Corporation specializes in Research, Design and Production of radio coverage solutions for all types of mobile radio network, RF components and the provision of relevant services. It has become a leading force in the field of cellular repeater R&D, manufacturing and coverage systems for service providers of mobile communication globally.</p>

	<p>HIOKI is present in all industries and segments to provide people worldwide safe and comfortable lifestyles.</p> <p>HIOKI electrical measuring instruments are used in a broad range of industries and fields, from maintenance and inspection of electrical work and equipment to testing of electronic components used in smartphones and computers and development of electric vehicles and solar power generation technologies.</p>
 <p>深圳市伊林思科技有限公司 Shenzhen E-Lins Technology Co., Limited</p>	<p>E-Lins is based on the M2M field (Machine to Machine, Man to Machine), developed full expansion of 4G/3G/2G mobile cellular device.</p> <p>E-Lins mobile data products are widely used in more than 50 countries and regions, and more than twenty industrial fields, such as power control, water schedule, traffic, oil field, weather forecast, environmental protection, street lamp control, post, bank, CCTV, security surveillance, and many other areas.</p>
	<p>Fibridge products include:</p> <ul style="list-style-type: none"> ▪ 10/100M Managed Media Converter ▪ 10/100/1000M Managed Media Converter Ethernet AccessLink ▪ V.35 / E1 / Ethernet Protocol Converter ▪ 100M Optical & 10/100M Ethernet over 1/4/8E1 Protocol Converter ▪ TDM over IP Converter ▪ E1/V.35 Fiber Modem ▪ RS232/RS485 Fiber
	<ul style="list-style-type: none"> ▪ Complete RF Solutions, TMA Solutions. ▪ Communication ▪ Test & Measurement ▪ Automotive ▪ Medical & Industries

	<ul style="list-style-type: none"> ▪ Custom Machining ▪ Fiber Optics & Cabling ▪ magneticUSB
	<ul style="list-style-type: none"> • Mobile Backhaul <ul style="list-style-type: none"> ○ Mobile Backhaul ○ Fixed-Mobile Convergence ○ Business Services • Packet Optical <ul style="list-style-type: none"> ○ Mobile Backhaul ○ Metro Optical ○ Business Services • Services • LTE Backhaul Solution
	<ul style="list-style-type: none"> • Fiber Patch Cord • Fiber Pigtail • Fiber optic cable • Fiber Adapter • Fiber Attenuator • Fiber Optic Splitter • Splice Joint Closure • Fiber Termination Box • Fiber Distribution Box • FTTH products • Other Products
	<ul style="list-style-type: none"> • FTTB Fiber To The Business/Building • FTTC Fiber To The Curb • FTTE Fiber To The Most Economical Point • FTTN Fiber To The Node • FTTO Fiber To The Outlet • FTTL Fiber To The Loop

	<p>Shuangliang Eco-Energy Systems Co. Ltd is a Chinese company. In China, Shuangliang ranks first in Absorption Chillers industry and has now transpired as the supplier of high quality chillers in the world. With more than 25 years of experience in chillers manufacturing, Shuangliang offers world leading technical support for each type of product.</p>
	<p>Dunham Bush is one of the world's top commercial air-conditioning manufacturers who have long been committed to offering creative solutions whilst meeting customer's requirements for over its 100+ years' history in HVAC-R. The Company offers a complete range of HVAC-R products comprising of large chillers, unitary, airside systems, ice tanks, cooling towers and much more to residences, commercial buildings and industrial facilities.</p>
	<p>For over 40 years, Midea Group has developed into a leading manufacturer and exporter in China, covering a comprehensive line of heating and air-conditioning systems, home appliances, lighting, motors, compressors and other industrial components. With around 180,000 employees all over the world and a vast distribution and worldwide partnership network, it aims to serve customers worldwide with a unique comprehensive line of high standard products. Currently, Midea is no.1 exporter of Central Air-Conditioning system in China.</p>
	<p>With manufacturing facilities in Italy and Austria, Euroclima specializes in the production and worldwide distribution of state-of-the-art air-conditioning and ventilation systems. Euroclima meets its customers' needs through innovation, quality and comprehensive service that it provides. It has a well-distributed network of sales and service all over Europe, Asia,</p>

	Middle East and Northern Africa.
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Apart from above EES also represents:



EES MEP Engineering

The Engineering Department at EES provides both pre-sales and post-sales support to its customers. Pre-Sales support comprises of handling your day-to-day technical queries, Tender bids, costing etc. On the other hand, post-sales support is provided in the form of engineering Calculations, preparing layout and P&ID installations support etc. Our Engineers study your requirement provide cost

analysis layout, test and commission the equipment purchased for its optimal performance. Our installation engineers will hold pre-sales installation contract meetings with you, sketch installation drawings and prepare pre-commissioning reports.

The department comprises of experienced engineers who are available to provide technical back up to valued customers in terms of, transient response study, technical support, equipment layout planning.

Once the sale is concluded we provide assistance in selection of site, selection of accessories electrical line diagram installation and installation supervision, assistance & installation of heat recovery equipment & commissioning.

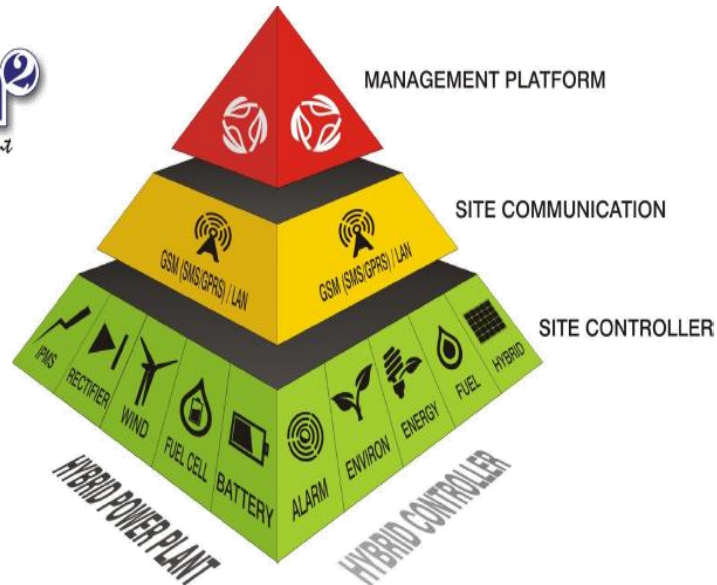
- **Supporting Sales in day to day engineering queries.**
- **Tendering of Trunkey Projects.**
- **Development of Vendors in local Market to meet.**
- **Recommendations /Standards.**
- **Proper sizing of equipment.**
- **Installation Support.**
- **Submission of monthly reports to end user.**
- **Generate reports for the engineering design and execution teams.**
- **Tracking through one week look ahead schedule.**
- **Document controlling throughout the project.**

EES Value Addition for OPEX Reduction

Solution proposed for complete site infrastructure and asset management with remote NMS for 5700 sites – Telenor Network

- Alarm Monitoring
- Environmental Monitoring & Control
- Energy Management & Control
- Fuel Management

- Hybrid Control
- Integrated Power Management
- Remote Network Management

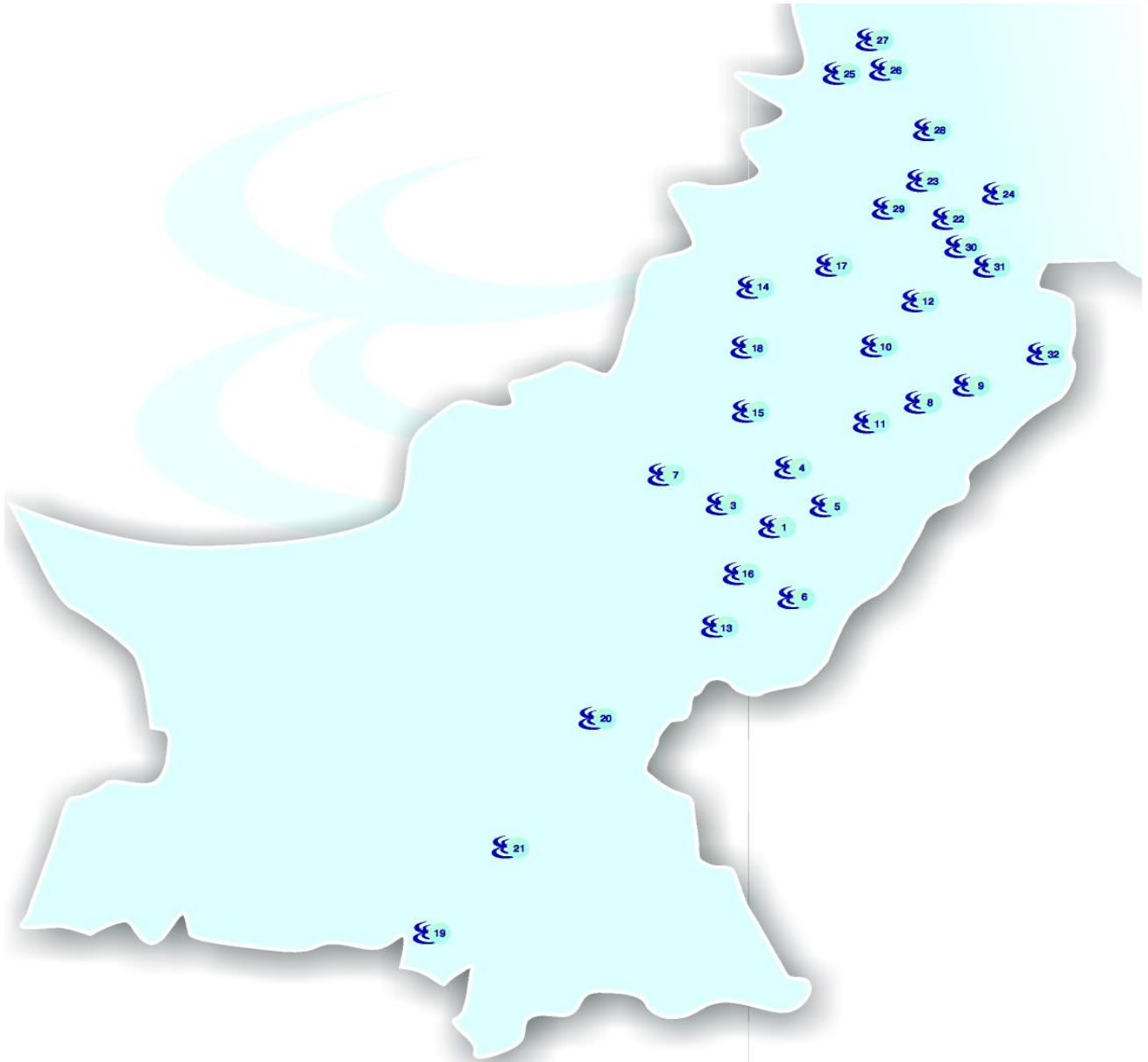


Main Control Unit



Nation Wide Company Presence

48 Offices Nationwide



World Wide Presence

