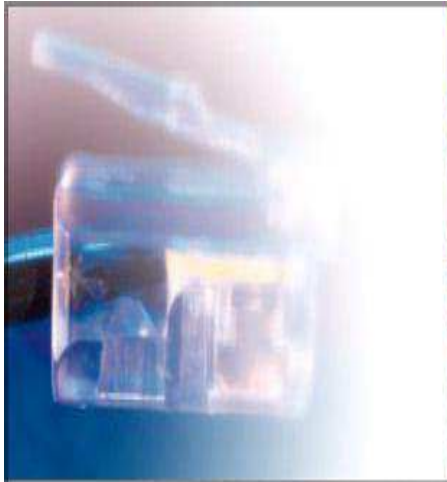


بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

شروع اللہ تعالیٰ کے پاک نام سے جو بڑا مہربان اور نہایت رحم کرنے والا ہے

In the name of Allah, Most Gracious, Most Merciful



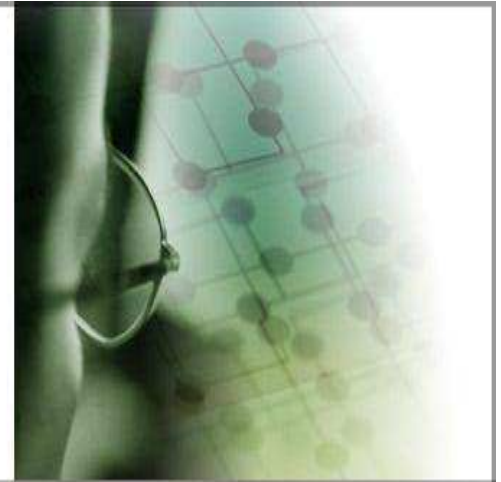
Copper



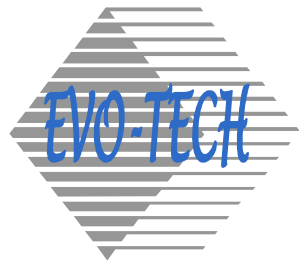
Fiber



Wireless



Services



## *EVOLUTION TECHNOLOGIES*

System Integrator & Solution Provider

■ Telecom ■ Wireless ■ Optical Fiber ■ Networks & IT ■ UPS & Solar System ■ Training



*Building...*

*Telecom & Datacom Network Infrastructure*



## Our Background:



***“EVOLUTION TECHNOLOGIES”*** (EVO-TECH) founded as an I.T. & Network Training Institute in year 2000, in Karachi, Pakistan.

- Got Training Partnership with **NED Engg University**, Karachi in 2002.
- Started to provide Networks & I.T. solutions in 2008 as well as continuing I.T. training services.
- In year **2010**, Reformed as registered **“Solution Provider”** company for Datacom, Telecom and Power backup systems for industries.
- We are a Registered company having **NTN & GST** certification from FBR-Pakistan as well as also registered in Sindh-**SRB** and Balochistan- **BRA**.
- Alhamdo-Lillah we are Growing smoothly, yearly.

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## Our Major Customers – Direct Clients



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## Our Major Customers – Indirect Clients



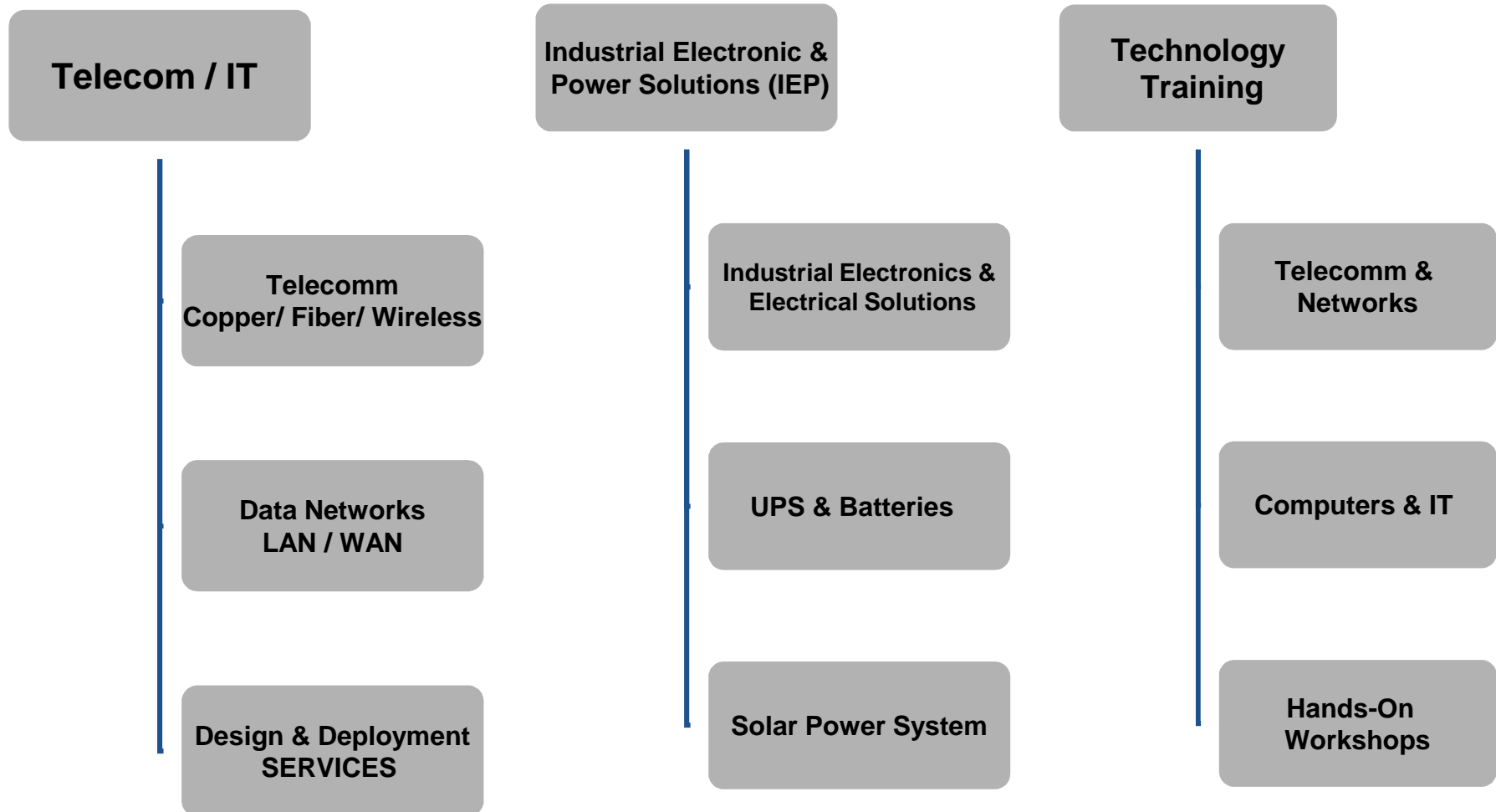
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## What do we provide:

- Wireless PTP & PTMP **Microwave Link** Solutions (Long Haul & RAN).
- Smart Wireless LANs Solutions (WiFi).
- Last Mile Transmission Solutions (POTS/ ADSL/ **MetroEthernet/ E1/ E3/ PRI**).
- **PTP Layer-2 Data Pipe Connectivity** Solutions – Over Fiber / Over MW / Over Hybrid.
- **Core Transmission/Transport** Network Design & Deployment Solutions (IP & SDH/PDH).
- Core/Transport “**Switching**” and “**Routing**” Solutions with Smart **IP-traffic shaping & IP-traffic management**.
- **Optical Fiber Network** (GPON/ EPON/ FTTx) **Infrastructure** Design & Deployment Solutions and Optical- Fiber Termination, OTDR based Testing & Analyzing Services.
- Copper Datacom & Voice Networks - **Structured Cabling Infrastructure** for (IT Racks, NOC, Datacenter, IBS) .
- Smart & **Intelligent Security & Surveillance** (CCTV/IP-Cameras/ IP-Thermal/ MS-Cameras/ IVMS) Designing, Deployment & Maintenance Solutions.
- **Industrial Electricals** Solutions & **SCADA** Communication Solutions (RTU Switching/MC).
- Power Backup Solutions (**UPS / Solar Power System** / Dry Batteries).
- Engineering & Technical **Outsource Services & SLAs**.
- Technology Consultancy & **Trainings**.



## Major Business Segments



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## The Products/Brands We Deal-in



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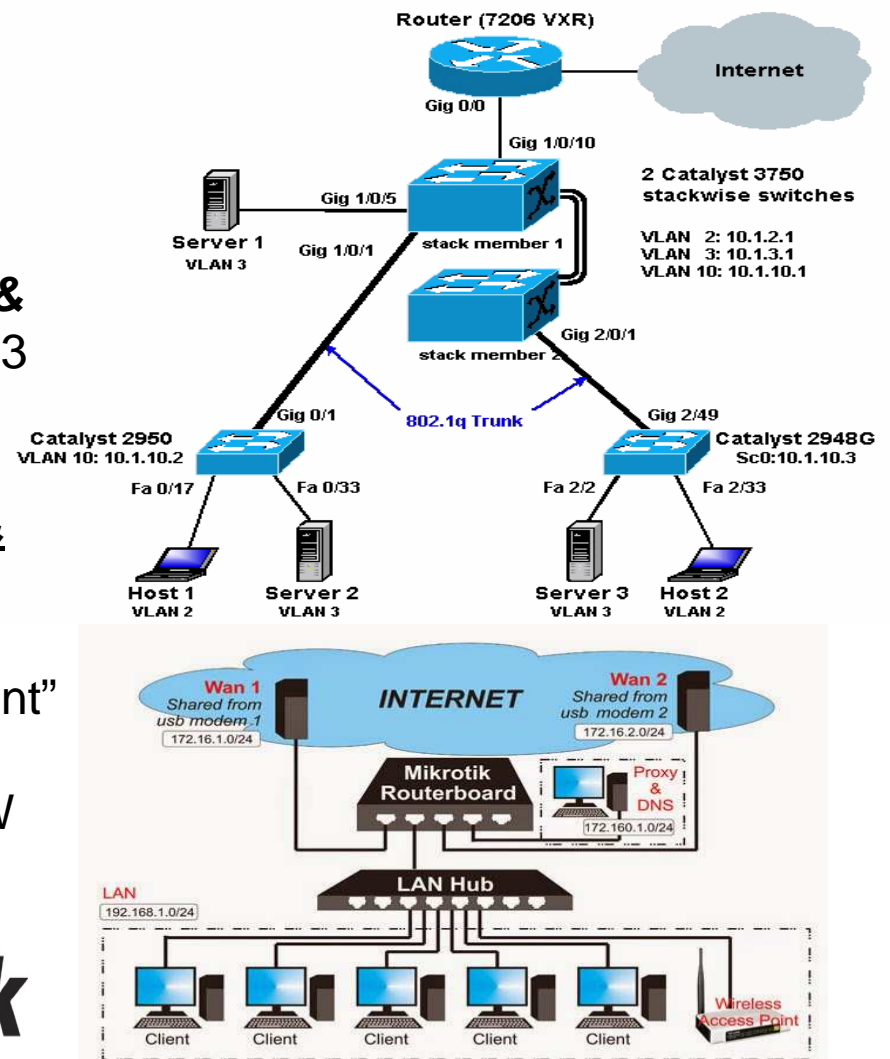


## Core Network IP/TDM Network Routing and Switching Solutions:

**EVOLUTION TECHNOLOGIES** as reseller/partner to **Cisco, Juniper, FortiNet & MikroTik**, is able to provide Layer-2 & Layer-3 Switching/Routing solutions.

## Network Traffic Shaping (Load-Balancing) & Bandwidth Management Solutions:

**EVOLUTION TECHNOLOGIES** also provides “Smart/Intelligent Traffic Management” solutions for IP/TDM network Traffic and Bandwidth problems, using your existing\* HW resources.



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Official MikroTik



## PTP Microwave Wireless Links & WLAN (WiFi) Network Solutions:

**EVOLUTION TECHNOLOGIES** as reseller/partner to **UBiQUITi** and **Redline** Com is able to provide wireless indoor LANs & outdoor P2P Layer-2 Data/Voice network connectivity solutions.

## Short Distance Wireless Links & WiFi:

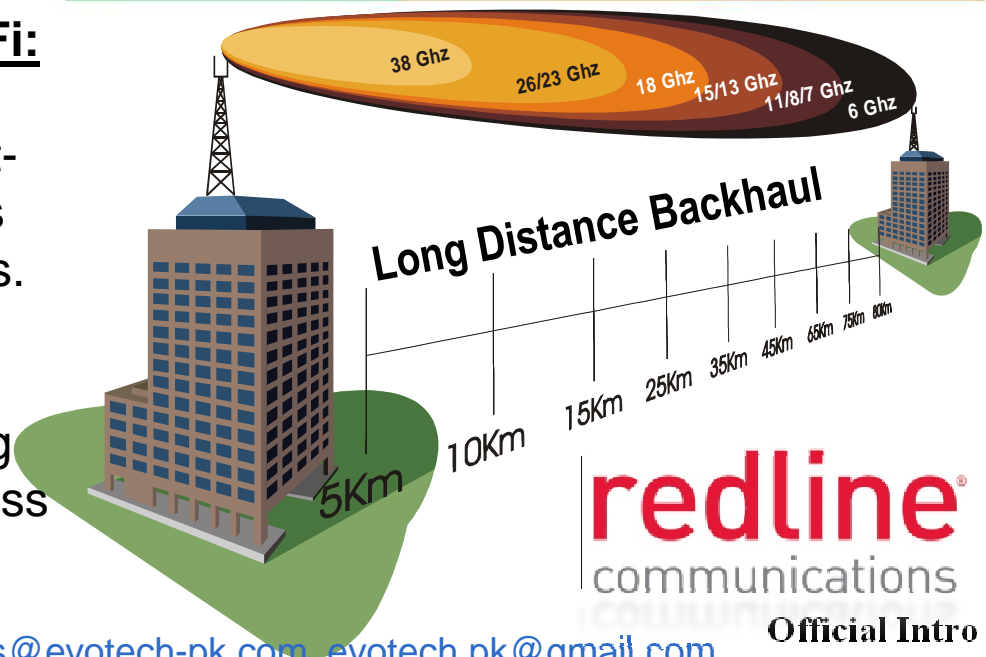
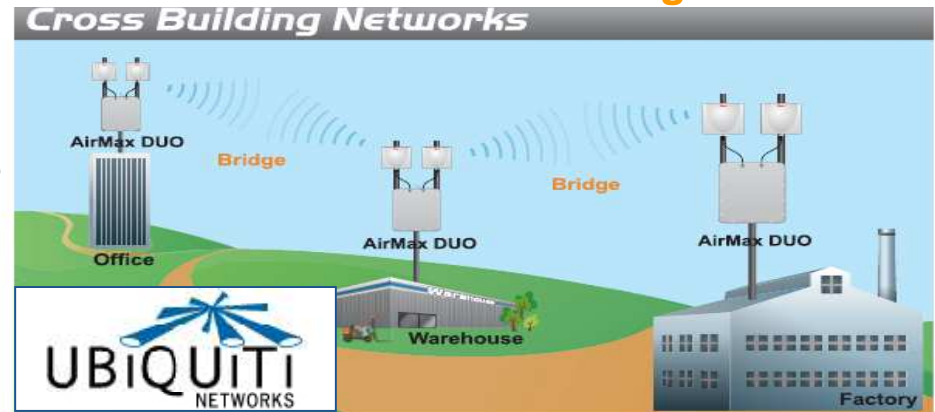
**UBiQUITi** a leading manufacturers of Wireless Access Infrastructure and last-mile transmission equipment as well as **Smart WLAN (WiFi) Network Solutions.**

## Long Distance MW Wireless Links:

**Redline** Communications is the leading provider of advanced broadband wireless (Microwave) access and long backhaul products & services.

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## Short-distance Wireless Bridges/Links





## MUX / DeMux & Media/Protocol Conversion Solutions:

**EVOLUTION TECHNOLOGIES** has partnership with different advance media converter (active & passive) manufacturers for Last Mile Transmission Solutions.

### ❑ Optical Systems – Media Converters:

- Optical MUXs for PDH/SDH & WDM systems.
- Fiber to Electrical media converters (M/C).
- Metro Ethernet (ME) Optical Mux.

### ❑ Connectivity Extension & Multiplexers:

- Fiber to Ethernet media converters
- Ethernet to E1/E3 media converters
- DS3 to E1 media converters
- STM-1 to E1 Mux & Demux
- STM-1 extenders
- SDH over IP / IP over SDH systems
- Serial (RS-323) to Ethernet media converters



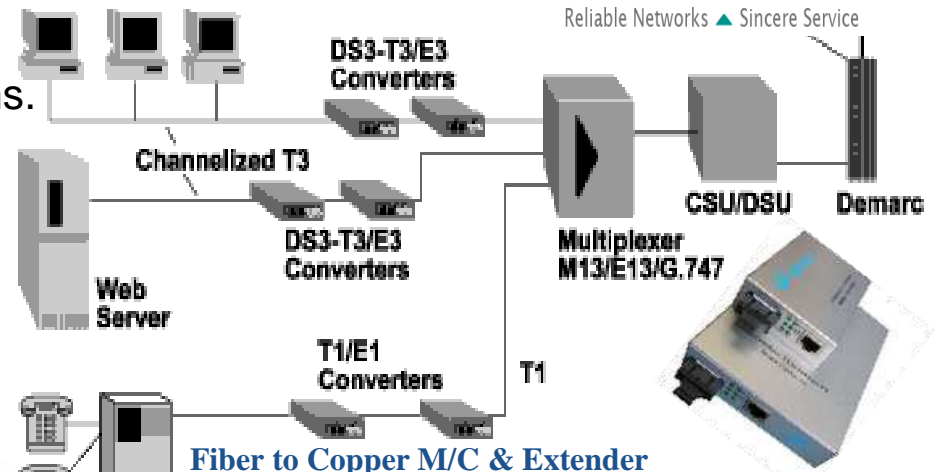
STM-1 Extender

E1 & E3 M/C Extender



**MOXA**

Reliable Networks ▲ Sincere Service



**Huahuan**  
北京华环电子股份有限公司  
BEIJING HUAGUAN ELECTRONICS CO., LTD.

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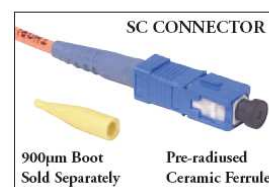
## Optical Fiber Products: Fiber Cable, Fiber Accessories & Fiber Services:



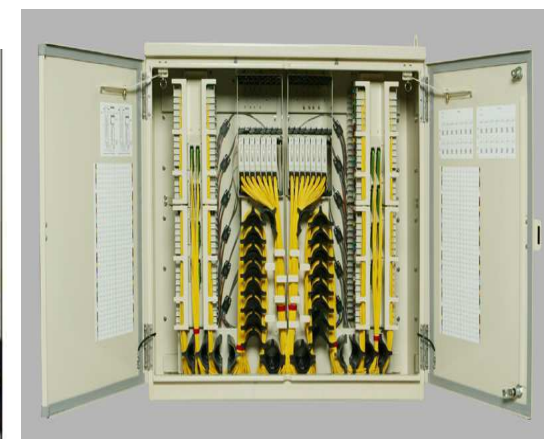
*EVOLUTION TECHNOLOGIES* provides:

- ☐ Optical Fiber Cable (Indoor/ Outdoor) Single-mode, Multi-mode.
- ☐ Carrier Class Fiber Management Solutions
- ☐ Optical Distribution Frames – ODF, Rack mount ODF, Wallmount ODF.
- ☐ Fiber Patch-cords and Fiber Pig-tails
- ☐ Optical Fiber Joint Enclosures.
- ☐ Fiber Splice & Tool Kit.
- ☐ Fiber Splicing Machine and Cleavers.
- ☐ Fiber Testing Tools (OTDR, OPM, OPS).

### SC Fiber Connectors:



### FC/APC Angled Fiber



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## Optical Fiber Technical Services & Repair and Maintenance Services:

*EVOLUTION TECHNOLOGIES* is Expert in:

- Optical Fiber Cable Laying (Indoor/ Outdoor/ Buried) and Standard Cable management services.
- Optical Fiber Splicing services for Cable joints.
- Optical Fiber Splicing services for cable Termination into ODF/ONU as per ITU/IEC Std.
- Optical Fiber cable OTDR based Standard Testing Services with Certified Reporting.
- **Repair & Maintenance services of Optical Equipment** such as OTDR, Splicing-machine, etc...



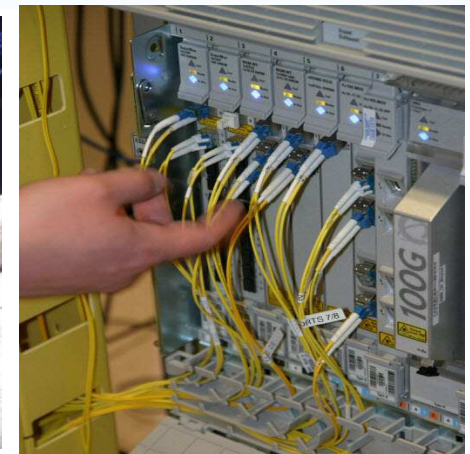
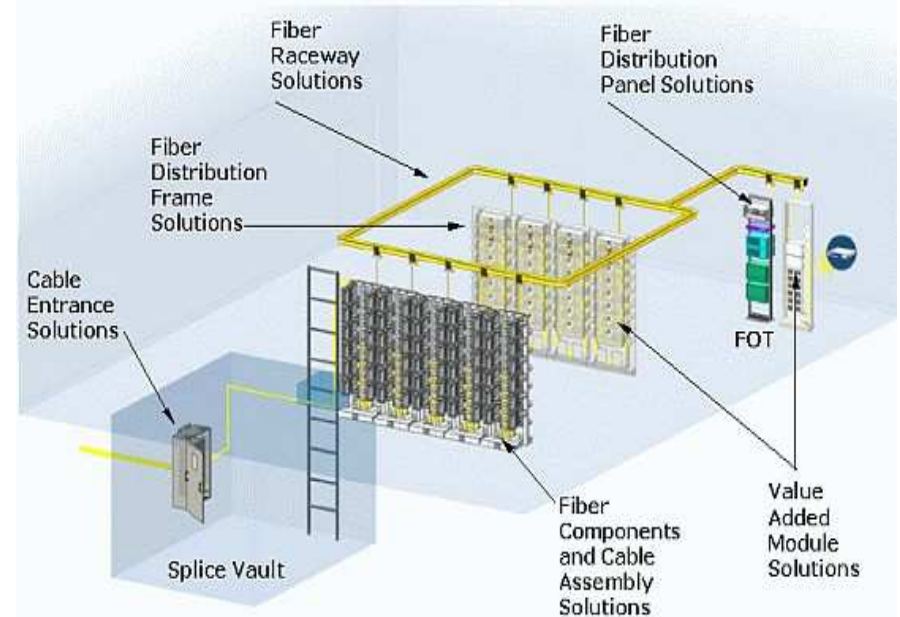
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## Optical Fiber Network Infrastructure Design & Deployment Services:

- ❑ Site Surveys, Analysis and Planning.
- ❑ Optical Fiber (Core / Transmission) Network Designing & Deployment.
- ❑ Structured Fiber Cabling & Termination for Campus or Buildings (indoor).
- ❑ Outdoor Fiber Cable laying (buried) & Jointing/Termination services.



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## Copper (UTP/STP) & Coaxial Cable, Products, Accessories & Services:



### *EVOLUTION TECHNOLOGIES* Provides:

- ❑ UTP/STP Cat-6 & Cat-6A Cables (Indoor/Outdoor)
- ❑ Carrier Class UTP/STP Cat-6A Management Solutions.
- ❑ Datacom Patch-panels and Cable Managers.
- ❑ UTP/STP Cat-6 & Cat-6A Patch-cords & Connectors/IO jack.
- ❑ Coaxial Cable (Indoor/Outdoor).
- ❑ Coaxial Cable Connectors (all BNC type)
- ❑ PCM/Telephony Multi-pair Cable for PABX
- ❑ Telecom Cabinet & Racks (4U to 42U)



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## Standard Copper/UTP/STP Structured Cabling & Termination Services (Infrastructure Services)

- ☐ Site Surveys, Analysis and Planning.
- ☐ Copper Network Designing & Implementation.
- ☐ Structured Cabling & Termination for Passive Infrastructure, NOC or Data Center.
- ☐ Structured Cabling & Termination for PABX, PDH/SDH and other Voice & Data solutions.
- ☐ Layer-1 cable Testing & Certified Reporting services by **Fluke DTX** or **JDSU**.



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## IDS, Thermal/IP, CCTV/IP Cameras Security Solution: New Deployment & Maintenance Services...

- ❑ Supply of Branded of **Thermal/IP, CCTV/IP**, Fixed, PTZ Cameras, DVR, Hybrid DVR, NVR, and I-VMS (Analytical Intelligent SW).
- ❑ Design **IDS, Intelligent Security & Surveillance** System with Analytical (DRI) Video Processing & Actions.
- ❑ Site Surveys, Analysis, Planning & Designing.
- ❑ Copper/ Optical-Fiber based CCTV/IP Camera Network Designing & Implementation.
- ❑ Maintenance (PM) Services for entire network.
- ❑ Service Level Agreement (SLA) with Rsdnt Engr.



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# SCADA System Connectivity/Switching Solutions: MOXA®

Reliable Networks ▲ Sincere Service

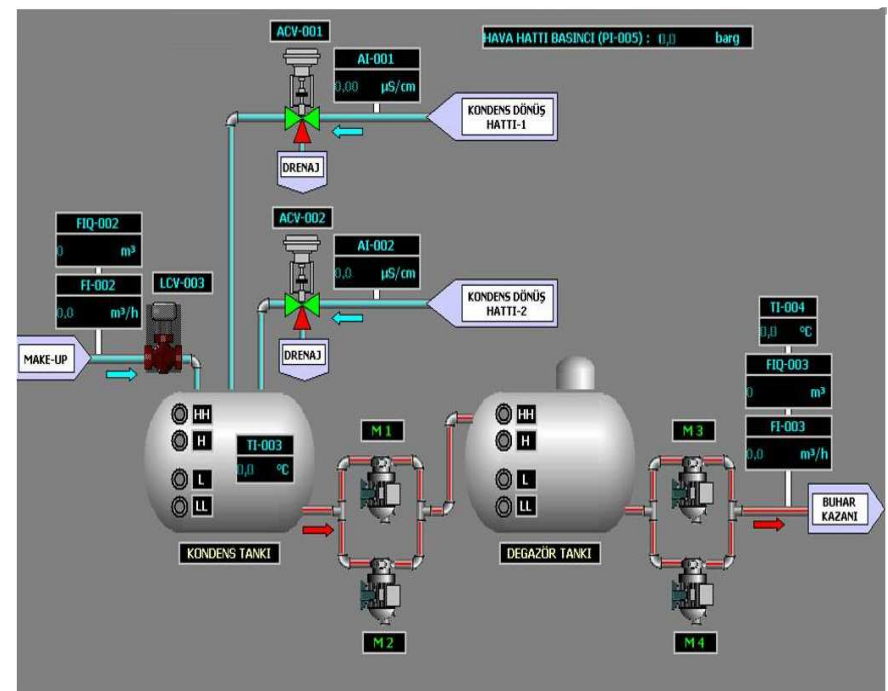
There are three main elements of a SCADA system:

- 1- RTU's (Remote Telemetry Units)
- 2- Communications / Connectivity
- 3- HMI (Human Machine Interface) SW



**EVOLUTION TECHNOLOGIES** provides all type of **Connectivity (Fiber/Wireless) Solution** for SCADA system, also deals for RTUs **Switching & Media-Converters** segments for Plant site as well as remote RTUs (Wellhead) sites.

Transmission solutions via **Copper Cables**, **Optical Fiber**, or by use of **RF/MW links**.



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## Solar Power Solutions:

*EVOLUTION TECHNOLOGIES* is also a Solar Power solution provider offering engineered, smart, customized stand-alone Solar Power Systems.

We **design** and **deploy** comprehensive Solar solution products that are capable of delivering a large range of Solar power system for DC/AC power live & backup systems.

(we design and deploy 1KW-100KW system)



FIX - GROUND



FIX - ROOF



Solar Indoor Units (CC&Inverter)

**All Ranges of Customized Solar Power Solutions**



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## Telecom & Industrial Power Solutions:

*EVOLUTION TECHNOLOGIES* is also a total Power solutions provider, offering one of the industry's DC & Backup power systems.

We design, develop customized DC & backup power systems as per demand/need of our client, including **Telecom Rectifiers, UPS and AVR** of all ratings as well.

We also deal in different brands (China, Taiwan and Europe) of **Dry-Batteries**, in all Amps rating.



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## Skilled Technical Services... Our Major Product



emails: [sales@evotech-pk.com](mailto:sales@evotech-pk.com), [presales@evotech-pk.com](mailto:presales@evotech-pk.com) [evotech.pk@gmail.com](mailto:evotech.pk@gmail.com)

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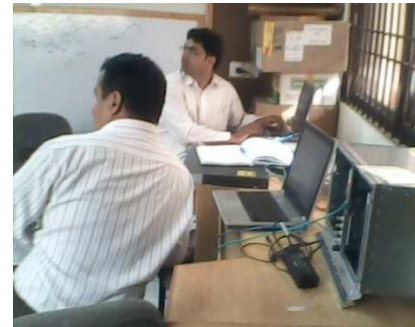


## The Technical Department

### Project Management / Consultancy

We have Qualified & Skilled Technical Teams for each field/technology:

- ☐ Telecom PDH/SDH systems.
- ☐ Optical (Fiber) communication.
- ☐ Copper cabling solutions.
- ☐ RF & Microwave Wireless links.
- ☐ IT Infrastructure & Systems.
- ☐ Fire Alarm System.
- ☐ Industrial Electronics & Power.
- ☐ UPS & Solar power systems.



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## Engg. & Tech Services Portfolio:

### □ Telecom & Datacom Technical Services:

- Solution Design & Implementation.
- Telecom & Datacom System Installation & Implementation
- PABX, PDH, SDH and Optical Fiber systems.
- Structured Cabling, DDF & MDF Installation.
- Core and Access Network for Wireless and Fixed Line Networks.



### □ RF/MW Technical Services (PTP / PTMP):

- **RF/MW Link Installation, Commissioning.**
- RF/MW System Integration with other systems.
- Tower erection & maintenance services for wireless link.



### □ NOC & System Support Services:

- **NOC/Racks Revamping & Maintenance services**
- Network Infrastructure implementation services.
- System level support services.

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# Skilled Managed Services



## ACCESS NETWORK MANAGEMENT

**Local Management (UCST)  
Network Management  
(UNEM, DTNMS)**



**3<sup>rd</sup> Party Managers**  
e.g. Micromuse Netcool,  
Nortel Preside,  
SNMP systems

### ► Managed Multiservice Access Nodes ► POP, Street Cabinet, or Basement



**UMUX1200**



**UMUX 900**



**UMUX1500**

### ► Managed Multiservices Access Devices ► Customer Premises, SOHO, or SME



**MUSIC700λ**



**MUSIC100 & 200**



**iCAB 100**



**NTU**



**UMUX1200**



**NAE**



**TUNOR  
& OPTIMUX**





## Service Level Agreements ( SLAs )

Since 2009 we are engaged in delivering technical support services to corporate sector. Hardware maintenance services include rectification of faults, repair and replacement of Hardware, preventive maintenance services, back-up and other technical support mention in the hardware agreements.

- Gold, Silver, Standard SLA classes
- Unlimited number of complaint Calls / Visits
- Parts / Equipment replacement & backup availability
- Quick response time
- Preventive maintenance to continue your business
- Software / Firmware support
- Highly skilled engineers teams (visitors / resident)
- High class services, at Low cost

*Its all about continuing your business any way*

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## Professional / Corporate Trainings:

Since 2000 we have been delivering Emerging & professional Training services to individuals and corporate sectors. We are the pioneer in Computer Networks & Telecom trainings.

We have also been conducting many IT/Networks training programs in NED University of Engg. & Tech. Karachi.

There are 1000s of students & professional already in market, who have been trained by EVO-TECH.

*If you really want “change”  
in your organization’s culture*

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## Professional / Corporate Trainings:

- We Design and conduct professional & Advance Technical Training
- Short term and module based training courses
- High skilled engineers Trainers teams (visitors / Permanent)
- High class Training services, at economical charges
- All Major courses/trainings including:
  - Advance IT and Datacom
  - Telecommunication
  - Wireless Networks
  - Industrial Electronics
  - Power Solutions / Solar Power Systems

*If you really want “change”*

*in your organization's culture*

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# Our Presence:

Corporate (Head) Office – Shahrah-e-Faisal, Karachi

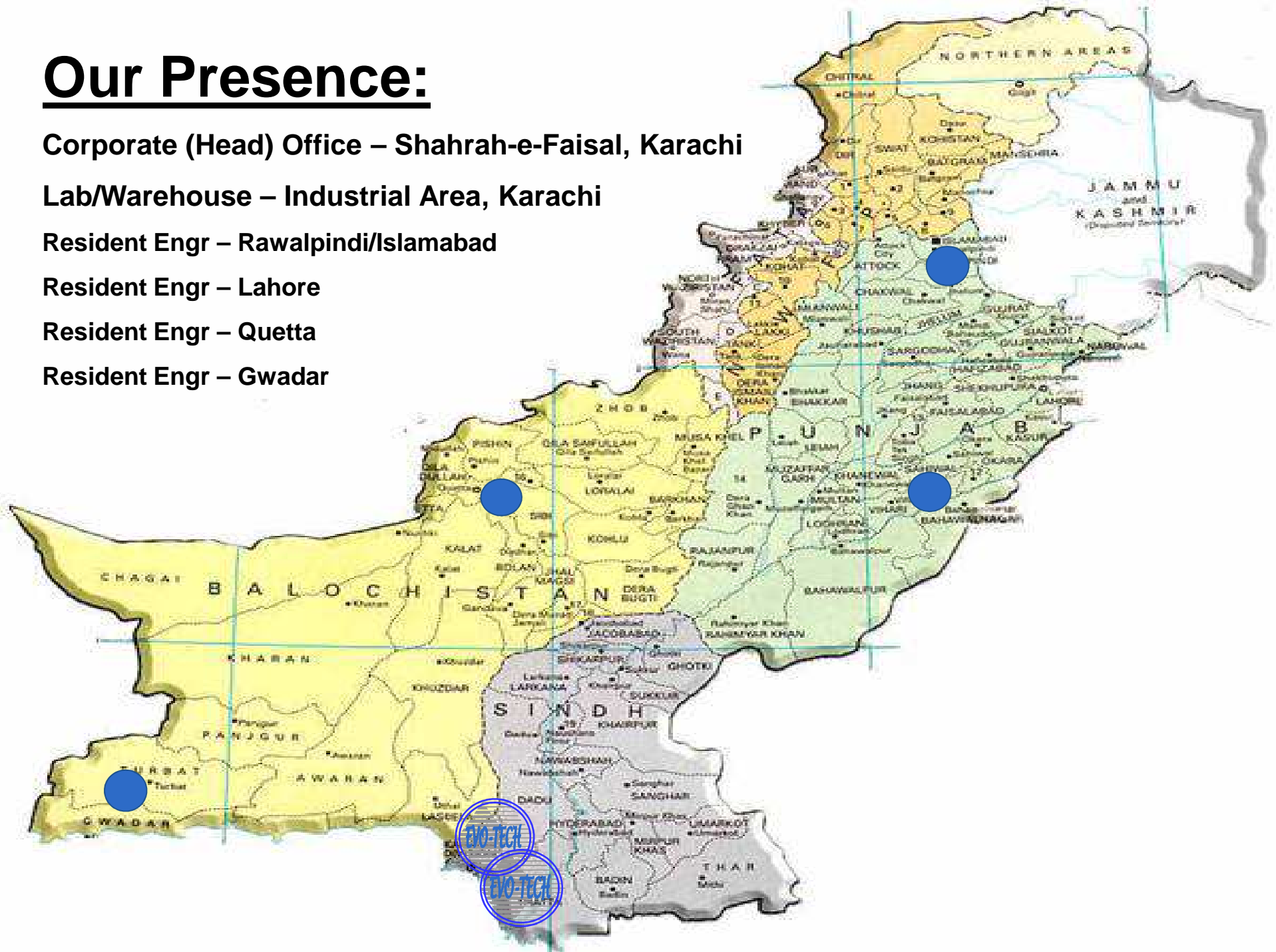
Lab/Warehouse – Industrial Area, Karachi

Resident Engr – Rawalpindi/Islamabad

Resident Engr – Lahore

Resident Engr – Quetta

Resident Engr – Gwadar





# THANKS

  
**EVOLUTION**  
TECHNOLOGIES

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