

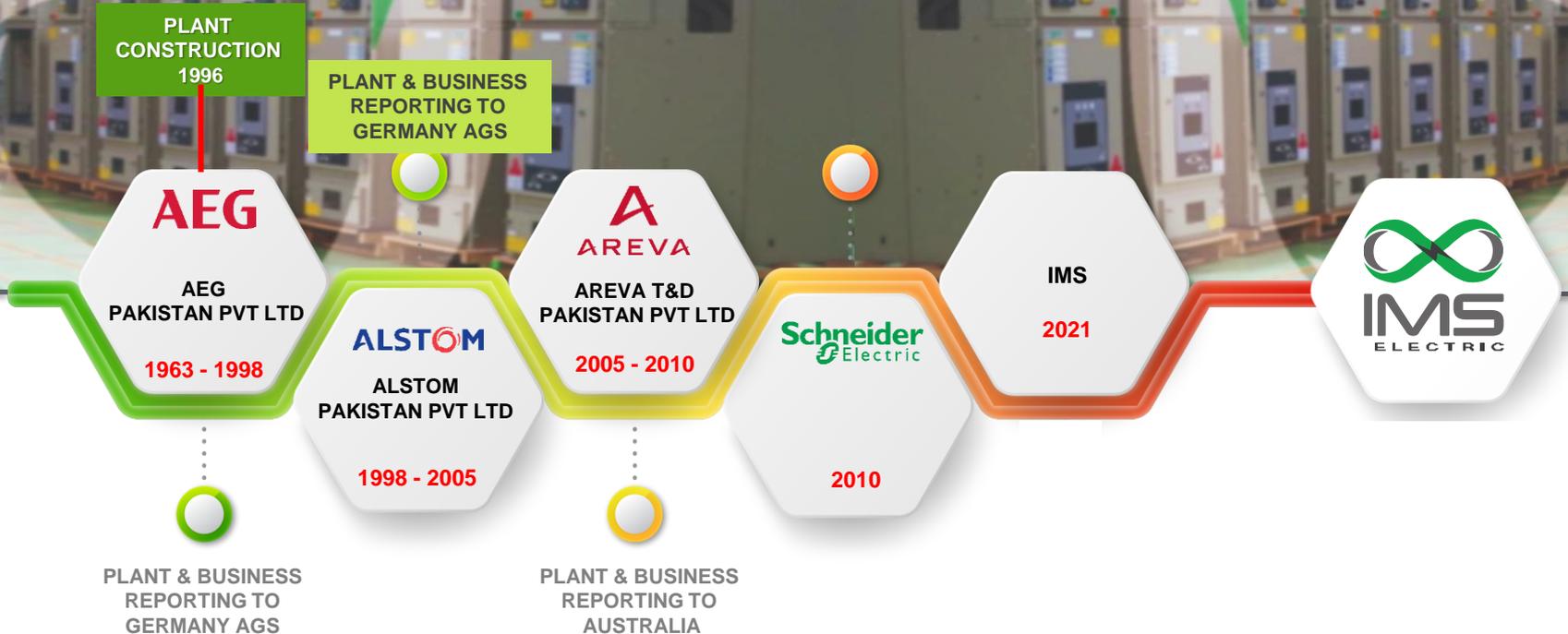


POWER SYSTEMS

www.ims-electric.com

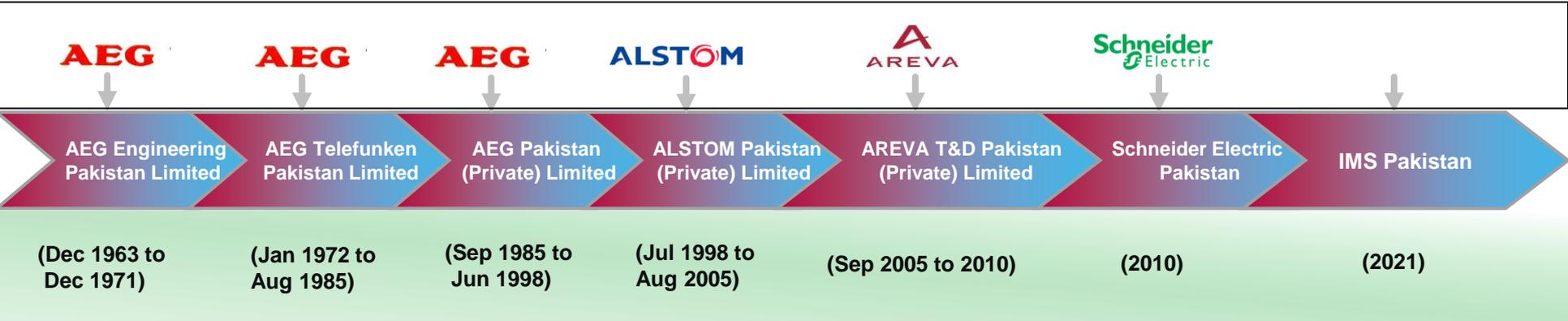


FOR MORE THAN 35 YEARS, SCHNEIDER ELECTRIC & ITS LEGACY CONTINUES TO SERVE THE PAKISTAN MARKET BY PROVIDING INTEGRATED SOLUTIONS IN SAFE ENERGY MANAGEMENT, RELIABLE, EFFICIENT, PRODUCTIVE AND GREEN.



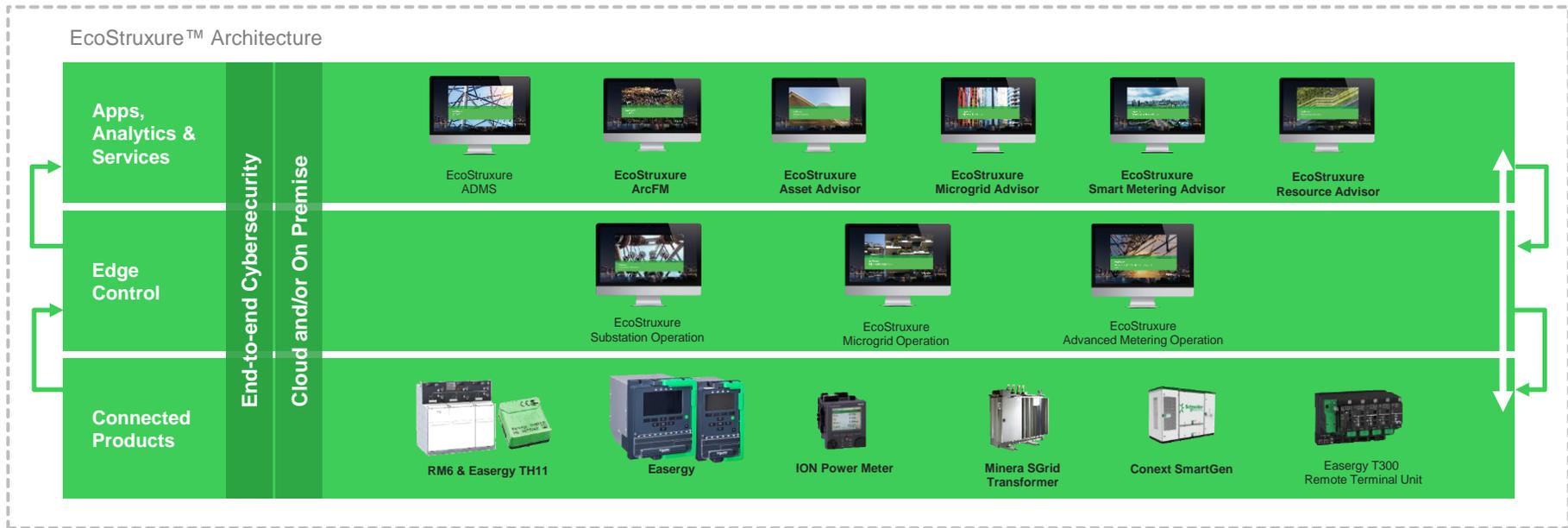
Historical Information

Change of Legal Name:



Current Legal Name	:	IMS Electric Formerly Schneider Electric Pakistan
Date of incorporation	:	20.12.1963
Commercial Registrar No.	:	K-01527 Karachi
Legal Form	:	Private Limited Company
Fiscal Year End	:	31st December

EcoStruxure™ Architecture



Connected devices, real-time control & open software, analytics & services

Portfolio

- Designing and manufacturing of Medium Voltage Switchboards 17.5kV, 95 kV BIL, 2500A, 40 kA types PIX, WKK, RK
- Designing and manufacturing of Low Voltage withdrawable and fixed type Motor Control Centers, Distribution Switchboards and Power Distribution Panels Types Blokset D,Mf,Ms,Mw2
- Designing and manufacturing of Relay Protection and Control Panels for Grid Stations, AC/DC Panels
- Designing and manufacturing of Kiosks complete with MV, trafo and LV sections for outdoor use
- Projects encompassing all requirements for a Distribution System of industrial and infrastructure Projects
- Service of HV, MV Systems including operation and maintenance and spares



TECHNICAL SPECIFICATIONS

- Rated voltage: upto 17.5 kV
- Rated current: upto 4000A
- BIL upto 95 kV
- Short Circuit: 40 kA
- Dim (mm): H: 2130 mm, D: 1405
W: 650 – 1000 mm

FEATURES

- KEMA tested
- Indoor type
- Metalclad
- Internal withdrawability
- Robust construction
- Zinc coated sheets
- Internal arc withstand
- Back to wall mounting
- Digital control and protection
- All operation with doors or covers closed
- Earthing-switch with making capacity, visible position
- All the mechanical interlocking according to IEC standards



Type PIX

Medium Voltage Switchgear Metalclad upto 17.5 kV



TECHNICAL SPECIFICATION

Rated Current:	
Main Horizontal Busbar:	upto 6300A
Vertical Busbar:	upto 3200A
Fault level rating of Busbar:	
Rated short time current:	upto 100 kA for 1Sec
Standards:	IEC 60439-1
• Protection class of Enclosure	IP 20 / 31 / 42 / 54
• Forms	1 / 2b / 3b / 4
• Seismic / Earthquake resistance	UBC/CBC, zone 4, floor & roof
• Internal arc withstand	IEC 61641 – 85 KA /0.3 s and AS 3439-1, 85 KA
• Dim: (mm) Width 500, 700, 900,1200	Height 2200

Type Blokset



Blokset
High dependability
low voltage switchboards

FEATURES

- Fully compartmentalized Design (up to form 4)
- Fixed, Plug-in and Withdrawable arrangement
- Ease in replacement of draw out units
- Interchangeability of similar rated draw out units
- Cable termination access from front and rear
- Ensures safety and protection to operating personnel
- High protection against chemically aggressive environments



Ring Main Unit

RM6 (China & France)



FBX (China)



Combinations:

- Load break switch
- Fuse type
- SF6 Breaker (200 A, 630 A)
- Mechanical Endurance: M1

Combinations:

- Load break switch
- Fuse type
- Vacuum Breaker (200 A, 630 A)
- Mechanical endurance: M2



	12 kV	
	FBX	RM6
In	630 A	630 A
Ik	25 kA	25 kA
IAC	25 kA 1s	20 kA 1s

	17 kV	
	FBX	RM6
In	630 A	630 A
Ik	21 kA	21 kA
IAC	21 kA 1s	20 kA 1s

	24 kV	
	FBX	RM6
In	630 A	630 A
Ik	20 kA	20 kA
IAC	20 kA 1s	20 kA 1s

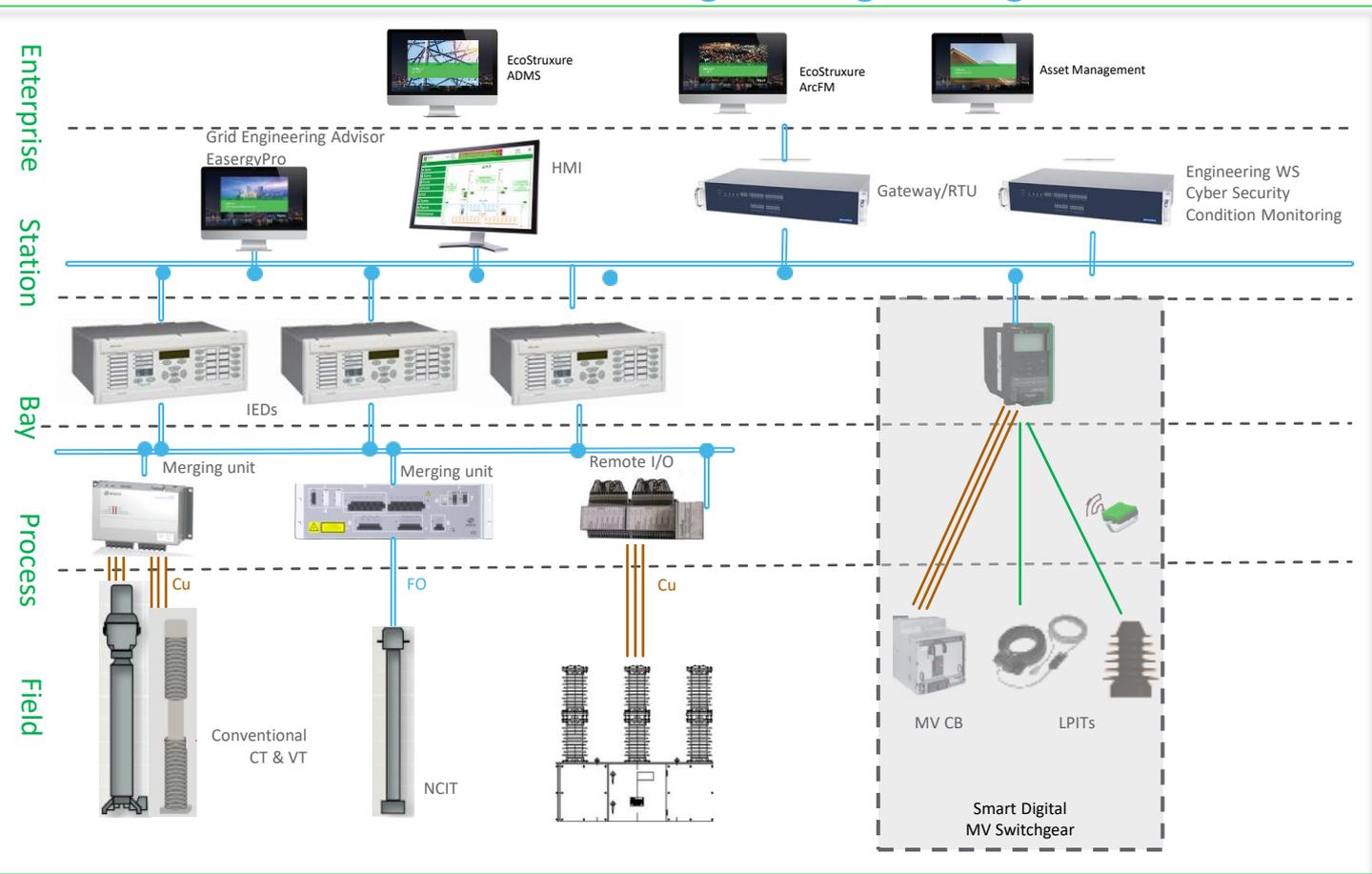
Dry Type Transformers

- Option for Copper/ Aluminum windings
- Air Natural (AN)
- Air Forced (AF) to increase rated power by up to 40%
- 15-20% expensive than conventional Oil Type
- Saving costs on civil works, oil drainage pipe and pits to compensate initial cost
- Maintenance free
- Environment friendly
- Ratings: 500kVA – 3500kVA
- COO: France & China



EcoStruxure Substation Operations

Architecture built on Ease of Use, Engineering & Integration



Delivering

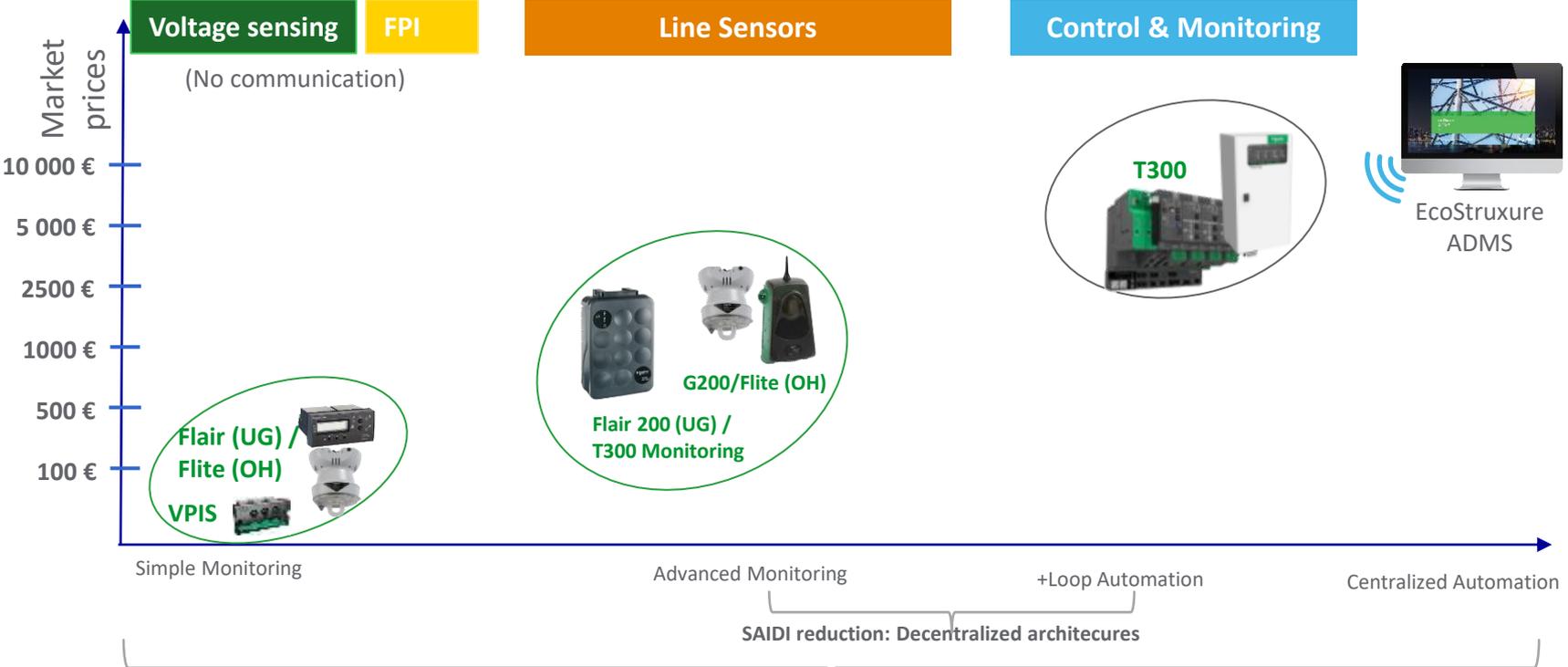
Safety & Security
People safety
Resilience - Compliance

Efficiency
Reduced TCO
Operational Efficiency

Reliability
Availability
Quality of Supply

Feeder Automation Components

Building blocks from Centralized to Decentralized Solutions



End-End IOT integration with ADMS drives centralized reliability & efficiency solution

TECHNICAL SPECIFICATION

- Protection Class Of Enclosure IP42 (up to IP54 on request)
- Dim: (mm) As per Customer Requirements (Customized Solution)
- BIL: upto 95 kV

FEATURES

- Outdoor Transformer Kiosk substation With Segregated Transformer, MV and LV Compartments.

Outdoor KIOSKS



Deploy Customized Solutions for Every Segment



Oil & Gas

- › Smart O&G field solutions
- › E-House
- › Energy management & control systems
- › Pipeline management
- › Motor management
- › Downstream apps
- › Services
- › Integrated security



Electro-sensitive

- › Turnkey electrical systems
- › Power quality management
- › Microgrids
- › Energy management
- › Advanced services
- › Security of people & assets
- › Solutions for healthcare
- › Solutions for data centers

Electrical Utilities

- › Renewable integration
- › Weather forecasting
- › Network management
- › Smart metering
- › Demand response
- › Smart Generation
- › Micro Grids, Storage
- › Virtual power plants
- › Advanced applications
- › Asset management



Electro-intensive

- › Solution for Commercial & Industrial buildings
- › Turnkey electrical systems
- › Mobile substations
- › E-House
- › Explosion proof system
- › Compensation and filtering systems
- › Energy management
- › Advanced services
- › Security of people & assets
- › Solution for Mining



Getz Astola Project



> Scope

Supply, Installation, testing and commissioning of MV Panels, LV Panels, DB's, Dry type transformers, BTD, VFD's, Power Supply System, Energy analysis & monitoring, Cabling, Earthing, and Operation & Maintenance.

- | | |
|----------------|------------------------------|
| ➤ Owner | Getz Pharma |
| > Project type | Substations Electrical Works |
| > Site | Karachi |
| ➤ Segment | Pharmaceuticals/Industry |
| > Year | 2017 |

FFBL BIN QASIM



> Scope

Supply, Installation, testing and commissioning of MV Panels, LV Panels, DB's, Dry type transformers, Cabling & Cable Trays

- | | |
|----------------|--------------------|
| > Owner | Fauji Fertilizers |
| ➤ Project type | CPP Admin Block |
| > Site | Karachi |
| ➤ Segment | Chemicals/Industry |
| > Year | 2017 |

SNGPL ePLMS SCADA Project



> Scope

SE Telvent and SEPK have participated in the bid mutually, SE Telvent quoted complete software part along with complete engineering of project, they provided the quote on cost+6% and also provided the BOQ required to run the system whereas SEPK scope of work consist of complete hardware required in the project, SEPK procured the same and installed and configured it in the field.



- | | |
|----------------|--|
| > Owner | SNGPL |
| > Project type | Replacement and expansion of SCADA system on existing transmission network |
| > Site | Punjab |
| ➤ Segment | Oil & Gas |
| > Year | 2017 |

CHEVRON TERMINAL



> Scope

Supply, Installation, testing and commissioning of MV Panels, LV Panels, Generators, transformers, Earthing , Cable Tray, Power cables and Instrumentation.

- > Owner Chevron Pakistan
- > Project type Complete Electrification Work
- > Site Karachi
- Segment Oil & Gas
- > Year 2016

Packages Mall



> Scope

Supply, Installation, testing and commissioning of MV Panels, LV Panels, DB's, Dry type transformers, BTB, RMU, VFD's, Conditioned Power Supply System, Energy analysis & monitoring, Earthing, and Operation & Maintenance.

> Owner	Packages Pvt. Ltd.
➤ Project type	Substations
> Site	Lahore
➤ Segment	Building
> Year	2015

Nishat Emporium Mall



> Scope

Supply, Installation, testing and commissioning of MV Panels, LV Panels, DB's, Dry type transformers, BT, RMU, VFD's, Conditioned Power Supply System, Energy analysis & monitoring, Earthing, and Operation & Maintenance.

- | | |
|----------------|---|
| > Owner | Nishat Group |
| > Project type | Substations & Basement Electrical Works |
| > Site | Lahore |
| > Segment | Building |
| > Year | 2015 |

MCB IT Tower



> Scope

Supply, Installation, testing and commissioning of MV Panels, LV Panels, DBs, transformers, Light Fixtures, Fire Alarm system, Point wiring, Earthing & Lighting protection, Cable Tray, Lighting Control system, Public Address system and Power cables

- > Owner MCB
- > Project type Complete Electrification Work
- > Site Lahore
- > Segment Building
- > Year 2013

EPRF II Refinery



> Scope

Supply, Installation, testing and commissioning of MV Panels, LV Panels, Generators, transformers, Explosion proof lighting, Earthing , Cable Tray, Power cables and Instrumentation.



> Owner	EPRF
> Project type	Complete Electrification Work
> Site	Karachi
> Segment	Oil & Gas
> Year	2012

Dolmen City



> Scope

Supply, Installation, testing and commissioning of MV Panels, LV Panels, Dry type transformers, Earthing, Cable Tray and Power cables.

> Owner	Dolmen Group
> Project type	Electrification Works
> Site	Clifton, Karachi
➤ Segment	Building
> Year	2011

Our Clientele



GE Energy



growth through energy





POWER SYSTEMS

www.ims-electric.com

