

Profile Summary

- Strong academic background in Electrical Engineering
- Practical experience of working in a Transformer company and project management.
- Skilled at learning new concepts quickly, working well under pressure, and communicating ideas clearly and effectively
- Accustomed to living and working in a multi-cultural environment
- Strong work experiences in Testing and Commissioning of Sub-Station
- Energetic, honest, enthusiastic, team player and responsible.
- Final year project: GSM monitoring of tap changing transformer.

ALI ZAIN

SEC Approved
PEC Registered

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Total No of Experience: 7 Year's

CAREER HISTORY

XERVON SAUDI ARABIA L.L.C

(Formerly Known as ThyssenKrupp Xervon)

Testing and Commissioning Engineer (April 2015-Present)

Key Responsibilities:

Execution of Testing & Commissioning of Sub- Stations up to 380kV

Device testing of up to 380kv Switchgear

Design & Scheme Check of Protection & Control Systems

WORK EXPERIENCE

Testing and commissioning of all Electrical equipment from 13.8KV to 380 KV System.

- Inspection of control and relay panel, preparation of Test Report for Substation.
- Testing and commissioning of control & relay panel for Transformer, Bus Coupler, Bus-Transfer, and Line feeder.
- Testing and commissioning of control and protection system.
- Testing of Protective Relays for various needs.
- Over current and earth fault relays
- Knowledge of Transformer protection, Transformer Differential Protection & REF Protection, Bus Bar protection.
- Testing of CT, PT, Circuit breaker, switch gear and Power Transformer
- Operation of sub-station.
- Trouble shooting of all Electrical circuits, control and protection circuits.
- Co-ordination with client in As Built Scheme drawing submission, test report submission.
- Build cable schedule submission and all site activity to satisfy the customer.
- Testing and commissioning of ACCS, ABTS panel.
- Primary Injection and Bus-Bar Stability from 13.8kv to 380kv.
- Synchronization Scheme and Relay checking
- Configured Control Relays up to 380kv
- Commissioning of Under Voltage and Under Frequency panels
- GIS Scheme Check up to 380kv
- Transformer Stability
- CT ,VT Secondary loop Preparation and Testing
- VT Priority Scheme Check
- Breaker Failure Protection Panel Scheme Check
- ACDB, DCDB Panels Scheme Check
- Hydraulic Pump Motor Operation
- Lockout, CT Supervision, TCS relay
- Undervoltage Relay, Metrosil(non linear Resistor)
- VT fuse Failure Relay, Gauge Testing

- RTCC relay Testing and Panel Commissioning
- Rectification of NCR and Modification Work
- Testing of Simple Relays
- Load-Shedding Panel Commissioning
- SAS open and Close Loop
- Meter Test
- Surge Arrester Testing
- Capacitor Bank, Under Frequency Protection Relay Testing
- SF6 Purity, Leakage, Dew point Test
- Cable HI POT Test
- BUS-BAR Protection Scheme Check
- Contact Resistance Measurement Check
- Hi Speed Earth Switch Test
- Elster Energy Meter, PQM METER
- High Voltage Test
- Insulation Resistance Test
- AutoRecloser Relay and Scheme Check

RELAY TESTING:

ALSTOM:

- P546 Line Protection
- P142 Transformer, Bus Bar, Capacitor bank, Under/Over Voltage, Under Frequency Protection
- P443 Distance Protection
- P541 Synchro Check Relay
- P154 ACDB Protection
- KAVS100 Synchro Check Relay
- P141 OC/EF Relay

ABB IED's:

- RED670 Line Protection
- REL670 Distance Protection
- RET670 Transformer Protection
- REC670 BCU, ABTS, ACCS Control
- REF615 Feeder Protection
- REF620 Feeder Protection
- REM615 Motor Protection

SEL:

- SEL487E Transformer Protection
- SEL487V Capacitor Protection
- SEL387 Current Differential
- SEL751 Feeder Protection

General Electric (GE):

- F650 Feeder Protection
- C70 Capacitor Bank Protection

ZIV:

- IRV Feeder Protection

Schneider:

- P642 Transformer Protection

MR:

- TAPCON260 RTCC RELAY

ALLEN BRADLEY:

- 857 FEEDER AND MOTOR PROTECTION

PROJECTS

April-2015 to Present work in

- Duba Green Power Plant (KSA First Ever Solar Power Plant)
- 115/13.8KV 20BD MARDOUMAH JUBAIL
- 115/13.8KV JCP(Jubail Commercial Port) JUBAIL
- 380/230KV Ju'aima Extension
- 132/13.8KV BANNI NAJJAR MADINAH MUNAWARA
- 380/230KV Ju'aima Substation(Near Jubail)
- 380KV Shuqaiq Steam Power Plant(Shuqaiq)
- 380/132/13.8kV Sub-Station Sultana (Riyadh)
- 380/132/33kV Sub-Station Al Kharj-2(Al-Kharaj)
- 380/230/115/13.8kV Sub-Station Doha(Al-Khobar)
- 115/13.8KV 4B 2ndDIE(Dammam Industrial Estate)
- Aramco SAOO Project (Shudgem)

Hand's on Equipment and Software

- MICOM AGILE
- PCM 600
- MICOM STUDIO
- DIGSI
- SEL AcSEerator
- ZIVERCOM
- ENERVISTA 650
- ENERVISTA UR
- ARTES
- FREJA WIN
- Freja300, Freja306
- SF6 Percentage Volume Measuring Device(Dilo Make)
- Severker 760
- Omicron CT Analyzer
- Omicron CPC100
- TM 1600, TM 200
- Primary Injection Kit ODEN
- MicroOhm Meter
- Megger MT515
- Magnus
- B10E

Power link Company Pakistan

Electrical Engineer (From 12-11-2011 to 15-03-2015)

Key Responsibilities: Designing & Testing

TESTING

- Distribution Transformer Design
- Distribution Transformer Testing
- Transformer Repairing
- Manage Equipment Delivery
- Co-ordination between client and main contractor

Educational Attainment

B.Sc. Electrical Engineering (Percentage 74.25%)

UET Lahore (2007-2011)

Intermediate Pre-Engineering (Percentage 82.36%)

The Educators College, Gujranwala (2005-2007)

Matriculation (Percentage 70%)

BISE Gujranwala (2003-2005)

Reference : Reference will be provided on Demand

