



RADYA INTERNATIONAL

INTRODUCTION

RADYA International is a trading wing of KFB Group & its primary activity is trading of electromechanical products and services related to electrical power. The company's strategy is to forge partnerships with reputed International manufacturers of Power Generation, Transmission and Distribution equipment and to function as an agent / distributor for these products in Saudi Arabia.

OUR PRODUCTS

LV PANELS & COMPONENTS

- AIR CIRCUIT BREAKER (ACB)
- MOULD CASE CIRCUIT BREAKER (MCCB)
- MINIATURE CIRCUIT BREAKER (MCB)
- CONTRACTORS, OVERLOAD RELAY
- MOTOR PROTECTORS
- SOFT STARTERS
- DRIVES
- PILOT DEVICES
- IEC TYPE TESTED LV SWITCHBOARDS
- LOAD CENTER ENCLOSED CB, ROW TYPE TESTED PANEL



MOULDED CASE CIRCUIT BREAKER



AIR CIRCUIT BREAKER



MINIATURE CIRCUIT BREAKER



**ENCLOSED
MCCB**



**LOAD
CENTER**

SAFETY SWITCHES (DISCONNECTED SWITCHES)

- SAFETY SWITCHES – 240V / 600V, INDOOR/OUTDOOR
- FUSIBLE & NON FUSIBLE.
- NEMA1, NEMA3R, NEMA12 & NEMA 4X.
- 2P, 3P, 4P & 6POLE.
- AS PER UL & IEC SPECIFICATION.



TRANSFORMERS

Power Transformers :

- CAST RESIN DRY TYPE POWER TRANSFORMERS
4000/25000 kVA - 52 Kv

Distribution Transformer:

- CAST RESIN DRY TYPE DISTRIBUTION TRANSFORMERS
50/3150 kVA - 36 kV



BUSWAY



- **KEY FEATURES OF BUSWAY**

- COPPER OR ALUMINIUM CONDUCTORS WITH SILVER OR TIN PLATED JOINT SURFACES
- EXTRUDED ALUMINIUM HOUSING : LIGHTWEIGHT , YET ABLE-TO-WITHSTAND HIGH FAULT CURRENTS.
- WIDE RANGE OF FITTINGS AND PLUG-IN TAP OFFS UTILIZING CURRENT LIMITING BREAKERS.
- AVAILABLE IN OPTIONS OF 3W, 4W WITH 50% E, 100% E UTILIZING THE BODY & 200% NEUTRAL FOR PROJECTS WITH HIGH HARMONIC LOADS.
- APPROVED BY USE BY ALL MAJOR ELECTRICITY BODIES IN THE KSA.
- RANGE BETWEEN 225A - 6300A COPPER BUSWAYS & 225A - 4000A ALUMINIUM BUSWAYS.
- MEETS THE REQUIREMENTS OF NEMA, UL857, IEEE, ANSI, IEC STANDARDS.



METERS, CTS

- ELECTROMECHANICAL KWH METERS
- DIGITAL KWH METERS
- INDUSTRIAL AND COMMERCIAL MFM
- ANALOG PANEL MOUNTING METERS
- DIGITAL METERS
- LV CURRENT TRANSFORMERS (CTs)



EM... Series
Three-Phase Meter
KEMA APPROVED



شركة مصنع الشرق الأوسط للعدادات الكهربائية
Middle East Electric Meter Factory Co.



METER BOXES

- FIBER GLASS POLYESTER REINFORCED BOXES SUPPLIED WITH DIRECT CONNECTED OR CT OPERATED, ELECTROMAGNETIC OR DIGITAL KWH METER WITH MCCBs, IN SINGLE, DOUBLE OR QUADRAPLE CONFIGURATION.



EARTHING & LIGHTNING PROTECTION

Earthing Protection:

An effective earthing system is a fundamental requirement of any modern structure or system for operational and/or safety of a structure, the equipment contained within it and its occupants are compromised. Earthing components are manufactured to meet exacting British, European and International standards to ensure robust, long lasting performance in even the hardest soil condition. All components are designed to withstand mechanical damage and the thermal and electromechanically stresses from the earth fault and leakage currents expected currents expected within an installation.

- Conductors
- Earth rods
- Earth Clamps

Lightening Protection:

We supply high quality lightning protection products by using our knowledge, yearlong experience & innovative ideas. Use of modern technology to develop and manufacture a lightning protection that sets new standards of the safety of individual life and property.

- Air Termination Rods
- Conductor Fasteners
- Earth Bars
- Conductors



SECTIONALIZER

- A **Sectionalizer** is a current monitoring device which automatically isolates faulted sections of electrical distribution systems. It self-contained, circuit-opening device & generally used in conjunction with other protective devices such as Auto-Recloser or circuit breakers. It does not interrupt fault current. Each Sectionalizer detects and counts fault.
- Voltage/Current Rating: 13.8kv & 33kv. 400A
- BIL: 110kv & 200kv Creepage: 552 & 1320mm
- Pole Mounted Type with Controller.
- According to Standard/Specification: SEC 33-SDMS-02 , IEC 60437, ANSI-C37.63



AUTO-RECLOSERS

- **Auto-Reclosers** are used on overhead distribution systems to detect and interrupt momentary Line faults. A circuit breaker equipped with a mechanism that can automatically close the breaker after it has been opened due to a fault and possesses the ability to reset itself after a very short period of time. They just reset themselves as soon as they trip over to break the circuit. It's a type of Protective relay for overhead Line Network.
- Voltage/Current Rating: 13.8kv & 33kv. 560A
- BIL & Creepage: 95kv to 200kv upto 1320mm
- Pole Mounted Type with Controller.
- According to Standard/Specification: SEC 33-SDMS-01 , IEC 60255, ANSI-C37.60



FUSE CUTOUTS

- **Medium Voltage Fuse Cutouts** Designed according to IEC or ANSI standards for each application and are suitable for the protection of distribution transformers (current and non- current limiting), voltage transformers (current limiting only), capacitor banks (current limiting and expulsion).etc...
- Voltage Rating: 13.8kv & 33kv
- Current Rating: 100A, & 200A
- BIL: 95kv to 200kv Creepage: 660 to 1320
- According to Standard/Specification: SEC 34-SDMS-01, IEC 60282-2



POWER CABLES

- MEDIUM VOLTAGE CABLES FOR VOLTAGE GRADE 3.6/6/7.2KV TO 18/30/36KV ($U_o/U/U_m$) AS PER IEC 60502-2 & ANY OTHER INTERNATIONAL SPECIFICATION, COPPER & ALUMINIUM CONDUCTOR FROM 25SQMM TO 1000SQMM.
- BUILDING WIRES & CABLES.
- XLPE/PVC INSULATED LV 0.6/1KV ELECTRICAL POWER & CONTROL CABLES.
- LSF CABLES & FLAME RETARDANT CABLES.
- LEAD SHEATED CABLES.



POWER CABLES

- FLEXIBLE PANEL WIRES AS PER BS6231, 600/1000V, 105DEGC, AVAILABLE IN VARIOUS COLOURS.
- THHN BUILDING WIRES, PVC COVERED WITH A TOUGH PROTECTIVE NYLON, UL LISTED AS PER UL 83, OIL RESISTANT & SUN RESISTANT AS PER UL, 600V & AVAILABLE IN VARIOUS COLOURS.
- TWO CORE & 3CORE, FLEXIBLE CABLE AS PER BS 50525-2-11, 300/500V, PVC INSULATED & PVC OVERSHEATHED.



THHN WIRES



FLEXIBLE CABLE

ENCLOSURES

- WALL MOUNTED ENCLOSURES.
- FLOOR STANDING ENCLOSURES.
- STAINLESS STEEL ENCLOSURES.
- EMC SHIELDED ENCLOSURES.
- EX-PROOF ENCLOSURES.
- ELECTRONIC SYSTEM CABINETS.
- CONSOLE SYSTEMS.
- DISTRIBUTION SYSTEMS.
- AIR CONDITIONING SYSTEMS.



• WALL MOUNTED



FLOOR STANDING



STAINLESS STEEL

EMT PIPE & FITTINGS

- **EMT PIPE.**

STEEL AS PER ASTM A653, HOT DIP GALVANIZED, CONFORM TO UL 797 & SUPPLIED IN 3.05MTRS LENGTH. AVAILABLE SIZES $\frac{1}{2}$ ", $\frac{3}{4}$ ", 1", 1 $\frac{1}{4}$ ", 1 $\frac{1}{2}$ " & 2".



- **EMT FITTINGS**

DIE CAST & STEEL SET SCREW & COMPRESSION CONNECTORS.
DIE CAST & STEEL SCREW & COMPRESSION TYPE COUPLINGS.
ONE & TWO HOLES STRAPS.
STEEL BOXES.



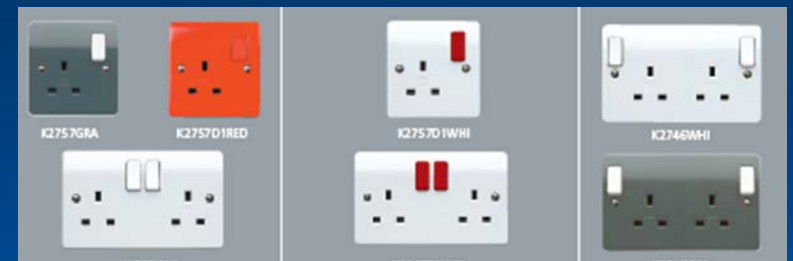
EMT PIPE



EMT BEND



WIRING DEVICES



- (1) MODULAR – GRID PLUS.
- (2) LIGHTING CONTROLS – HIGH POWER DIMMER.
- (3) BOXES & ANCILLARY PRODUCTS.
- (4) SURFACE – METALCLAD PLUS.
- (5) PORTABLE POWER – DURAPLUG, PLUGS & ADAPTORS.
- (6) INGRESS PROTECTED – MASTERSEAL PLUS, COMMANDO SAFETY SWITCH, COMMANDO PLUG & SOCKETS.



PVC CONDUITS & ACCESSORIES

- **PVC CONDUITS.**
- **TUBE CONDUIT ACCESSORIES.**
- **TUBE CIRCULAR & JUNCTION BOXES.**
- **TUBE SUNDRIES.**
- **TUBE SWITCH & SOCKET BOXES.**
- **TRUNKING SYSTEMS.**
- **EGA MINI TRUNKING & ACCESSORIES.**
- **EGA STANDARD GUAGE TRUNKING & PVC UNDERFLOOR DUCTING.**



Fuses & Disconnecter

FUSES, DISCONNECTORS, FUSE BASE LV NV/NH, MV 13.8KV & 36KV VV



NV/NH

- LOW VOLTAGE NH KNIFE-BLADE FUSE LINKS
- FUSE BASES
- ACCESSORIES
- LOW VOLTAGE FUSE-RAILS
- STRIP TYPE FUSE-SWITCH-DISCONNECTORS
- NV DISCONNECTORS WITH FUSES
- UNIVERSAL EARTHING AND SHORT CIRCUITING DEVICE

VV

HIGH VOLTAGE FUSE-LINKS:

- HIGH BREAKING CAPACITY
- RELIABLE SEALING SYSTEM AGAINST HUMIDITY IRRUPTION
- NO AGEING EFFECTS
- AVAILIBTY OF NON-STANDARD DIMENSIONS

OPGW DESIGN & STANDARDS

- **OPGW** (Optical Ground Wire) is a dual functioning cable, as it is commonly referred to, serves as a ground wire and a telecommunications link at the same time, as overhead optical fiber cable. We are offering according to SEC/NGSA SDMS/TMSS Standard.
- **Design & Construction**
- Stainless steel tube OPGW: stainless steel tube is hermetically sealed by seamless welding. The tube is filled with water resistant gel. This tube provides complete protection to the fibers from longitudinal and lateral water/moisture ingress. The interstices in between the stainless steel tube and the metallic wires are filled with anti-corrosive grease for protection from corrosion.
- It has made such many new technical records as large cross-section, big cores, large capacity, long span, ice resistance, sand, lighting resistance and ultra-high voltage
- **Reference Standards**
- The products meet international standards such as IEC60794 and IEEE1138, and can be manufactured according to customers' requirements / standards like NBR, BS, TMSS, and SDMS & so on.



CAPACITORS

MV Capacitors and banks for power factor correction is generally composed of several single-phase or three-phase unit capacitors assembled and interconnected to produce high power. They provide the reactive power needed by electrical motors. **MV capacitor banks** are designed for systems such as industrial, commercial, and utility power systems involving motors, feeder circuits etc. Enable power factor targets of the utilities to be met. Capacitors are also a key component in various filter solutions that reduce harmonic content.

Capacitor Bank : 200KVAR, 300KVAR, 600KVAR, 900KVAR, 1.2MVAR,

Voltage/Current Rating: 15kv & 36kv

BIL: 110kv & 200kv Creepage: 1320

According to Standard/Specification: SEC 43-SDMS-01, IEC 60871-1



INSULATORS

The **Insulators** used for MV & HV Power Distribution & Transmission lines are made from **Porcelain**, Glass & composite polymer materials. It used in Overhead Distribution & Transmission to prevent unwanted flow of current to the earth from its supporting points. Porcelain is the most frequently used material for insulators.

Accordance with international standards.

- Line Post Type, Suspension/Disc Type, Standoff Type.
- specifications, SEC 15-SDMS-01, ANSI-C29.1
- Voltage: 13.8KV & 35KV, Disc 292mm, Post, 1320mm,
- ***Composite Insulator 11KV~132kV***
- ***Pin/Post & Suspension Insulator***



OVERHEAD LINE ACCESSORIES

- Overhead Line Fittings
- The MV & HV Overhead Line Accessories are used to Install conductor with Tower/Poles. A wide range of Fittings are available as per Network Line & client's required specifications.
- SEC Specification: 20-SDMS-02.
- ITEMS: Suspension, Tension, Deadend Clamps, & String, PG Connectors.
- Anchor Rods, Guy Grip, Armour Rods & Ties, Anchor Shackle, Clevis Eye Extension.
- Pole Band, Eye Bolt & Nuts. Compression Sleeve, Stay Wire..etc..
- Medium voltage accessories upto 36KV Distribution Network
- High voltage accessories upto 380KV Transmission Lines.
- SEC Specification: 20-SDMS-02,



CABLE ACCESSORIES

1) Power Cable Terminations

- Our range of terminations and plug-in connectors for cables up to 42kV
- Heat Shrink
- Cold Shrink
- Pre-Moulded
- Termination Accessories
- Cable Loops



2) Power Cable Joint Kits

- Our range of joints for cables up to 42kV
- Heat Shrink
- Cold Shrink
- Pre-Moulded



3) Tubing Tapes

4) Moulded Component

5) Wraparound Sleeves



UL ATS

Broadest selection of ULT 1008 Listed automatic transfer switches in the market, which deliver a host of features and benefits to meet your application needs, including:

- Contactor and circuit breaker construction • Open-delayed, open-in-phase and closed transition switching
- Bypass isolation type
- Three tiers of automatic transfer switch controllers
- Integrated service entrance option • Field adaptable design
- Industry-leading UL 1008 Listed withstand close-on ratings
- Easy integration into switchboards and motor control centers
- Three-source switching solutions



TRANSFORMER OIL

Transformer oil



OUR PROJECT'S

SL.NO.	PROJECT NAME
01	AL-DARB HOSPITAL
02	GENERAL HOSPITAL 300 BD-AL-MEQAT
03	AL SALAM HOSPITAL
04	MAKKAH GENERAL HOSPITAL-500BED
05	KAP3-SECURITY PLANNING UNDER DEVELOPMENT AGENCY
06	CONST. OF FAMILY ACCOMODATION,UNIT FOR STAFF

SL.NO	PROJECT NAME
07	RIYADH BANK PRIMARY DATA CENTER
08	CONSTRUCTION OF SEWAGE TREATMENT PLANT(SAUDI ARAMCO)
09	KING FAHAD MEDICAL CITY 9PPNNCC) RIYADH
10	ROWAD PLASTIC FACTORY
11	MODA PROJECT-HARIK
12	AKH TOWER

SL.NO	PROJECT NAME
13	500 BED PROTOTYPE HOSPITAL - JIZZAN
14	COCHLEAR IMPLANT UNIT KING FAHD MEDICAL CITY
15	ROYAL SAUDI AIR FORCE RIYADH
16	SAUDI BRITISH DEFENCE CO-OPERATION PROGRAMME
17	KING FAISAL AIR ACCADEMY(KFAA)RIYADH
18	SAUDI BRITISH DEFENCE CO-OPERATION PROGRAMME-TABUK

SL.NO	PROJECT NAME
19	FINISHES & ELECTRO MECHANICAL OF PSSC.OPC
20	NAJRAN UNIVERSITY
21	AL QASSIM CONFERENCE CENTER
22	CONSTRUCTION OF SECONDARY INFRASTRUCTURE & VILLAS IN -JALMUDA DISTRICT -JUBAIL
23	REJAL ALMAA HOSPITAL
24	MARAFIC

SL.NO	PROJECT NAME
25	GYNECOLOGY AND PEDIATRIC HOSPITALJEDDAH 400 BED.
26	KING ABDULLAH SPORTS CITY
27	UNIVERSITY HOSPITAL
28	STRATEGIC PROJECT
29	UNIVERSITY OF DAMMAM
30	MINISTRY OF HIGHER EDUCATION

SL.NO	PROJECT NAME
31	STRATEGIC PROJECTS
32	CONSTRUCTION OF SECONDARY INFRA STRUCTURED & VILLAS IN- JALMUDA DISTRICT-JUBAIL
33	COCHLEAR IMPLANT UNIT KING FAHD MEDICAL CITY
34	MOI KAP2
35	TABOUK HOTEL
36	DAHARAN AL JANOUB HOSPITAL

OUR VALUED CUSTOMER'S

SL.N O.	CUSTOMER NAME
01	ARAMCO
02	SEC
03	AL-FOUZAN
04	TASNEE
05	MARAFIQ
06	NESMA & PARTNERS

SL. NO.	CUSTOMER NAME
07	RASHID TRA & CONT.
08	ABV ROCK
09	AL –ARRAB CON.
10	BEIJING EMIRATES
11	FAWAZ AL-HOKAIR
12	LATIFIA

SL.NO.	CUSTOMER NAME
13	SSEM
14	NCC
15	AL-SHARIF HOLDING
16	HAIF & COMPANY
17	AL-RAISSY CONTRACTING
18	PA COST CONTRACTING
19	SAUDI SERVICES & SOLUTION CO.
20	ABDULLAH SAYEED
21	ASAMCO CONTRACTING

OUR PARTNERS



Powering Business Worldwide



OUR CONTACT

RADYA
INTERNATIONAL

TEL: 00966 11 4966667

FAX: 00966 11 4917919