

ELKOM[®]



About Us

ELKOM was established, primarily for the manufacture of corrugated finwall which, being an integral part of the transformer tank, is the essence of heat dissipation for oil cooled transformers.

Way back in 1996, Mr. Simon Yee, the founding proprietor, led a small team of engineers and technical craftsmen, developed and custom-built the required machineries in-house, the cost-effectiveness of which justified the project's viability.

Since then, with advancements in its machineries and commitment of its workforce, ELKOM finwalls has come of age to become a global brand.

In 2007, ELKOM embarked on tank fabrication, in response to the trend of transformer manufacturers out-sourcing this department. Yet again, the acceptance from customers the world over is proudly resounding.

Incrementally but surely, ELKOM is continually widening its coverage as a supportive department to the transformer manufacturing arena. Accelerated by infusion of proven engineers and technical experts in transformer and transformer accessories into the ELKOM Family, the company has expanded the product range to include porcelain bushings, off-circuit tap-changers, epoxy bushings and epoxy monoblocks.

Today, propelled by a dedicated team, ELKOM is home for high quality products in accordance to international norms. Having stamped its foot prints on every continent, the ELKOM brand is recognized the world over.



ELKOM[®]

Our Policy and Commitment

ELKOM's policy is to provide customers with Total Customer's Satisfaction on goods and services it provides. ELKOM focuses on items it can efficiently and reliably deliver, thus perpetuating the distinctive signature, in terms of quality and reliability, and at cost effective prices. Concurrent with the company's good governance, ELKOM is managed and certified in compliance with the ISO 9001:2000 Quality Management System by internationally renowned Llyod's Register Quality Assurance Poised on a recently just-completed purposed-built, 28.000 square meter factory complex and operated by a motivated and energized team of skilled and experienced personnel to meet customers' needs - this is ELKOM's commitment.

Our Mission

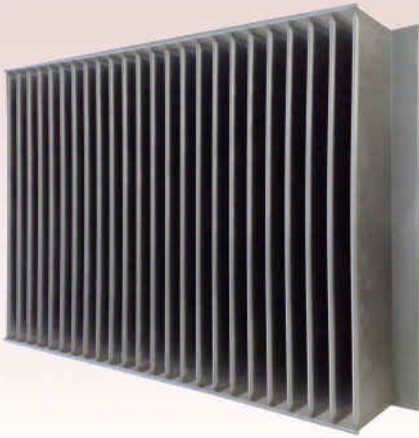
Increasing the efficiency and performance of our employees, suppliers and our customers. Focusing on innovation in every process. Recruiting talented and devoted individuals by offering them attractive and peaceful working environment. Business ethics, environmental awareness and long-term relations are center of our activities.

Our Values

- Responsibility
- Respect
- Determination



ELKOM[®]



FINWALLS

Finwalls are designed to be used in the transformer tanks up to 10 MVA to let the cooling fluid to complete a circulation pattern and to be cooled by transferring heat through the fins to the ambient air.

- Material: Cold rolled steel according to EN 10130
- Fin Width: 400 mm to 1600 mm
- Fin Height: 40 mm to 400 mm
- Fin Pitch: 40 mm to 100 mm
- Edge Bending: $\theta = 45, 90, 180$ and 270 degrees
- Embossing: Available upon customer request
- Stiffener: Available in $\Phi 8$ mm
- Quality Control: Leakage control by UV light against penetrant dye



FINWALL TANKS

Finwall tanks are manufactured according to customer designs and relevant welding procedures.

- Maximum fin height is 1600 mm
- Maximum dimensions are 4000 mm x 4000 mm x 4000 mm
- Maximum total weight is 7500 Kg
- Shot-blasted according to surface quality Sa 2½
- Surface treatment according to ISO 12944; C3, C4, C5I and C5I+M
- All finwall tanks are subject to visual controls, paint thickness controls, tightness and leakage test under pressure according to customer specifications



FLATWALL TANKS

Flatwall tanks are manufactured according to customer designs and relevant welding procedures.

ELKOM[®]

HV EPOXY-RESIN PLUG-IN BUSHINGS



Type : EPS 24/250U-250K
Standard : EN 50180
Voltage : 24kV
Current : 250A



Type : EPS 36/250
Standard : EN 50180
Voltage : 36kV
Current : 250A



Type : EPS 36/400
Standard : EN 50180
Voltage : 36kV
Current : 400A

Type : EPS 36/630
Standard : EN 50180
Voltage : 36kV
Current : 630A

LV EPOXY-RESIN MONOBLOCKS



Type : MNB-800/1400/1700
Standard : BS 2562 - EN 50336
Voltage : 1.1kV
Current : 800A - 1400A - 1700A



Type : MNB-2100/2500
Standard : BS 2562 - EN 50336
Voltage : 1.1kV
Current : 2100A - 2500A

Type : MNB-3000
Standard : BS 2562 - EN 50336
Voltage : 1.1kV
Current : 3000A

ELKOM[®]

LV PORCELAIN BUSHINGS



Type : LV 250A BUSHINGS
Standard : DIN42530 - EN50386 - DIN42539
Voltage : 1kV - 3kV
Current : 250A



Type : LV 630A BUSHINGS
Standard : DIN42530 - EN50386 - DIN42539
Voltage : 1kV - 3kV
Current : 630A



Type : LV 1000/1250A BUSHINGS
Standard : DIN42530 - EN50386 - DIN42539
Voltage : 1kV - 3kV
Current : 1000A - 1250A



Type : LV 1800/2000A BUSHINGS
Standard : DIN42530 - EN50386 - DIN42539
Voltage : 1kV - 3kV
Current : 1800A - 2000A



Type : LV 3150A BUSHINGS
Standard : DIN42530 - EN50386 - DIN42539
Voltage : 1kV - 3kV
Current : 3150A



Type : LV 4000/5000A BUSHINGS
Standard : EN50386
Voltage : 1kV
Current : 4000A - 5000A



Type : LV 4500A BUSHINGS
Standard : ELKOM DESIGN
Voltage : 1kV - 3kV
Current : 4500A



Type : LV 6500A BUSHINGS
Standard : ELKOM DESIGN
Voltage : 1kV - 3kV
Current : 6500A



Type : LV BS 850A BUSHINGS
Standard : ELKOM DESIGN
Voltage : 1kV - 3kV
Current : 850A



Type : LV BS 1600A BUSHINGS
Standard : ELKOM DESIGN
Voltage : 1kV - 3kV
Current : 1600A



Type : LV BS 2500A BUSHINGS
Standard : ELKOM DESIGN
Voltage : 1kV - 3kV
Current : 2500A



Type : LV IRAM BUSHINGS
Standard : IRAM2250
Voltage : 1kV
Current : 250A-630A-1000A-2000A-3150A

ELKOM[®]

HV PORCELAIN BUSHINGS



Type : HV 250A BUSHINGS
Standard : DIN42531
Voltage : 10kV - 20kV - 30kV
Current : 250A



Type : HV 630A BUSHINGS
Standard : DIN42532
Voltage : 10kV - 20kV - 30kV
Current : 630A



Type : HV 1000/1250A BUSHINGS
Standard : DIN42533
Voltage : 10kV - 20kV - 30kV
Current : 1000A - 1250A



Type : HV 2000A BUSHINGS
Standard : DIN42533
Voltage : 10kV - 20kV - 30kV
Current : 2000A



Type : HV 3150A BUSHINGS
Standard : DIN42533
Voltage : 10kV - 20kV - 30kV
Current : 3150A



Type : HV 4500A BUSHINGS
Standard : ELKOM DESIGN
Voltage : 10kV - 20kV - 30kV
Current : 4500A



Type : HV 52kV BUSHINGS
Standard : DIN42534
Voltage : 52kV
Current : 1000A - 2000A - 3150A



Type : HV 250A CABLE BOX BUSHINGS
Standard : BS2562
Voltage : 12kV
Current : 250A



Type : HV IRAM 250A BUSHINGS
Standard : IRAM2250
Voltage : 15kV
Current : 250A



Type : HV IRAM 100A BUSHINGS
Standard : IRAM2250
Voltage : 38kV
Current : 100A

ELKOM[®]

TAP CHANGERS



Type	: EHR
Standard	: IEC 60214
Voltage	: 20kV - 30kV
Current	: 10A - 30A - 63A
Number of Positions	: 2 to 7
Connection	: Delta, Star, Series-Parallel Common Output Per Phase
Material	: Bakelite contact holders, plastic or aluminium knobs.

THERMOMETERS



Type	: BTC-16
Description	: Bimetal Thermometer
Standard	: DIN 16160-P2
Connection Size	: R1"
Measuring Range	: 10° - 120°C
Electrical Contact	: Min. - Max. Contacts
Protection Class	: IP 54

Type	: BT0-16
Description	: Bimetal Thermometer
Standard	: DIN 16160-P2
Connection Size	: R1"
Measuring Range	: 10° - 120°C
Electrical Contact	: Without Contact



Type	: RT75 - RT100
Description	: Circular Bimetal Thermometer
Nominal Size	: Ø75mm - Ø100mm
Connection Size	: G1" (Vertical/Horizontal)
Measuring Range	: 0° - 120°C
Electrical Contact	: Without Contact

ELKOM[®]

PRESSURE SAFETY VALVES



Type : PRD-50
Connection Size : R2"
Pressure Setting Range : 0.25 - 0.70 kg/cm²



Type : PRD-25
Connection Size : R1"
Pressure Setting Range : 0.25 - 0.70 kg/cm²



Type : PRD-10
Connection Size : R 1/2" 14NPT
Pressure Setting Range : 5 - 10 psig

OIL LEVEL INDICATORS



Type : OLI-D
Connection Size : R1" - R1 1/4" - R1 1/2" - R2"



Type : OLI-C
Connection Size : R1"

ELKOM[®]

MOISTURE HOLDERS



Type : MH - 0.15 Kg
Transformer Oil Capacity : 600Kg



Type : MH - 0.5 / 1 Kg FORM A
Standard : DIN 42567
Transformer Oil Capacity : 1800Kg (MH-0.5) - 3600Kg (MH-1)



Type : MH - 0.5 / 1 Kg FORM B
Standard : DIN 42567
Transformer Oil Capacity : 1800Kg (MH-0.5) - 3600Kg (MH-1)



Type : MH - 0.5 / 1 Kg FORM C
Transformer Oil Capacity : 1800Kg (MH-0.5) - 3600Kg (MH-1)



Type : MH - 1.2 / 2.4 / 3.6 / 4.8 Kg
Standard : DIN 42562
Transformer Oil Capacity : 4500Kg to 18000Kg

ELKOM[®]

THROTTLE VALVES



Type : NW 80
Standard : DIN 42560

OIL DRAINING DEVICES



Type : NW 22 - NW 31 - NW 40
Standard : DIN 42551
Transformer Capacity : <800kVA (NW22)
<1600kVA (NW31)
>1600kVA (NW40)

THERMOMETER CASES



Type : TEP
Standard : DIN 42554
Connection Size : R1" - R¾" - R½"

BALL VALVES



Type : DN 25
Connection Size : G1"
Working Temperature : -10 to 120°C

ELKOM[®]



Lloyd's Register
LRQA

CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

Elkom Sdn Bhd (271815-D)
Lot PT32696, Kawasan Perindustrian Sungai Purun
Jalan Bangi Lama Batu 1 ½
43500 Semenyih, Selangor
Malaysia

has been approved by Lloyd's Register Quality Assurance
to the following Quality Management System Standards:

ISO 9001:2008
EN ISO 9001:2008
BS EN ISO 9001:2008
MS ISO 9001:2008

The Quality Management System is applicable to:

Manufacture of power and distribution transformer accessories.
Manufacture of corrugated finwall and tank for oil-cooled transformer.

Approval
Certificate No: KLR 0404000

Original Approval: 27 August 2003

Current Certificate: 07 January 2016

Certificate Expiry: 14 September 2018

Issued by: Lloyd's Register of Shipping (M) Bhd
for and on behalf of Lloyd's Register Quality Assurance Ltd.

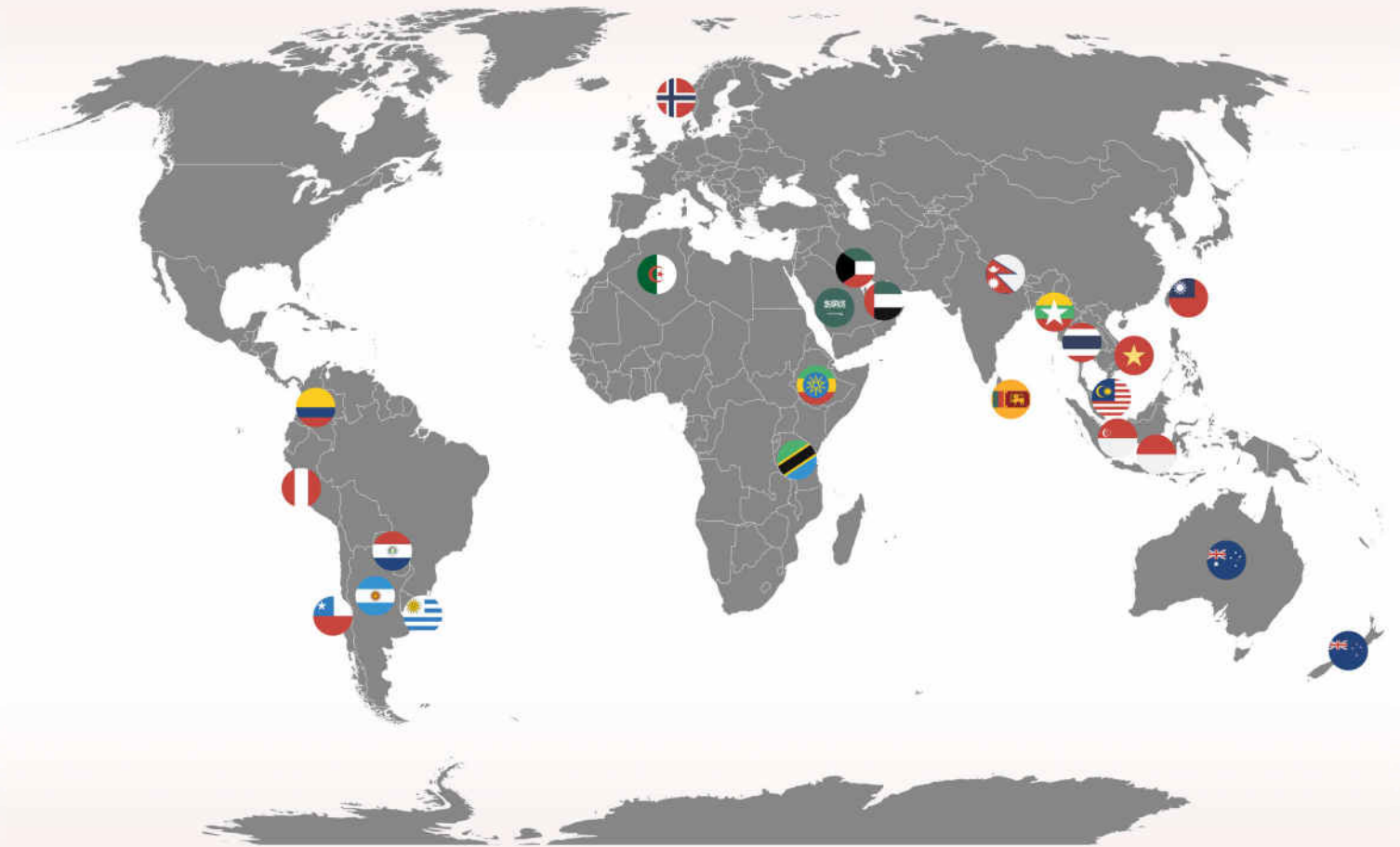


Lloyd's Register of Shipping (M) Bhd (111008-K), Suite 21-04, Level 21, Menara Tan & Tan, 207 Jln Tun Razak, 50400 Kuala Lumpur, Malaysia
For and on behalf of Lloyd's Register Quality Assurance Ltd., 1 Trinity Park, Bickenhill Lane, Birmingham, B37 7ES, United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries, including Lloyd's Register Quality Assurance Limited (LRQA), and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

ELKOM[®]

Our Customers Worldwide



Contact Persons

South America Region
Mattia Orlando
mattia@elkom.com.my

Middle East, Europe and Africa Regions
Ayse Cakti Canakcilarli
ayse@elkom.com.my

Far East and Asia Regions
Robin Yee
robin.yee@elkom.com.my

ELKOM[®]

Our Partners



ELKOM SDN. BHD. (271815-D)
GST NO: 002102853632

Lot PT 32696, Kawasan Perindustrian Sungai Purun, Jalan Bangi Lama Batu 1 1/2,
43500 Semenyih, Selangor Darul Ehsan, Malaysia
Tel : +6-03-8727 1488, 8727 1489 Fax : +6-03-8727 1487
Email : elkom@elkom.com.my, info@elkom.com.my Website : www.elkom.com.my



CERTIFICATE No. KLR 0404000

ELKOM[®]