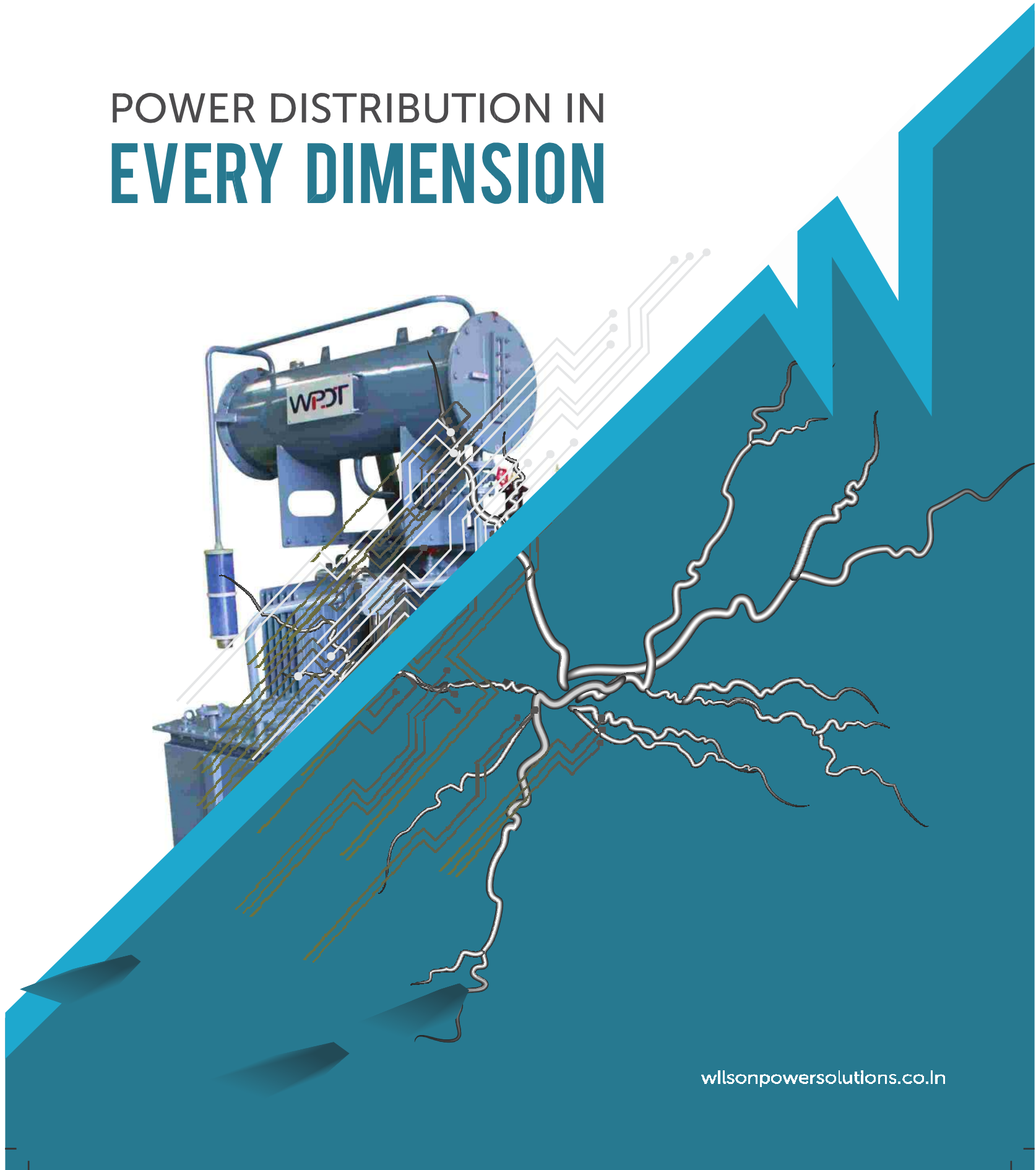


POWER DISTRIBUTION IN **EVERY DIMENSION**



WARRANTY

Our Transformer comes with Industry leading 18 Months Warranty.



ABOUT US

As one of the Independent Transformer Manufacturers In India, we are an expertlse In dellvering engineered Power Dstrlbution Solultions for many organizations across a wide range of sectors and provldng a personal and professional service. We are dedicated to help our customers to find the best Power Dstrlbution Solution for their Individual needs, we are passionate about our expert knowledge and commltted to gvlng advice with our customers' best Interests at heart.

VISION

To be a family company with a conscience providing Innovative, sustainable energy Infrastructure solutions.

MISSION

We are committed to growing our business by continuing to dellver customer driven, tailored solutions and outstanding levels of service, whilst Investing In the development of new and Improved power dstrlbution products and services.

AWARDS & ACCREDITATIONS



GROWING THROUGH THE YEARS



RICHARD WILSON

Started the company rewiring cars and providing general electrical contracting.

Richard Wilson buy and sell electric motors and starting equipment.

1946

195'S

WHY WILSON ?.



High Quality Insulation Paper



High Corrosive Resistant Paint



72 Years Old Heritage



On-Time Delivery



Validation of Design In different NABL Accredited Lab



Stringent Quality Check



Expanding Global Footprint

MOISTURE FREE WINDING ROOM



ACCURATE TEST BAY



MODERN FABRICATION MACHINES



CORE STACKING TABLE



ROBUST PLASMA CUTTING MACHINE



CONTROLLED BLASTING/ PAINT BOOTH



- Advance & Accurate Measurement By Multipurpose Winding Analyzer "Tettex" 2293.
- Perfect and Faster Core Building by 'BF' Italy Core Stacking Table.

- Heavy Duty Strip Winding Machines
- Automatic Foil / Wire Winding Machines
- Standby Air Drying Oven & Vacuum Dry Oven
- Redundant Liquid Filtration & Filling
- Spacious Store Bay & Yard
- Digitized MIG / MAG Welding Machines
- Tough Stud Welding Machine
- Qualified and Certified Operators

Richard Wilson provide reconditioned pumps to the oil Industry. The company acquires two small properties and a storage facility in Stanningley, Pudsey.



LATE 1950'S & EARLY 1960'S

Sons of Richard Wilson, joined the business. They expanded the pump business into ministry contracts as well as the oil industry and are now doing some international work, extending the product profile to flameproof motors and equipment.

1973/4



The 3 day week and the sale of generators create a cash injection.

1973/4

DISTRIBUTION TRANSFORMERS

OPTIONS



Energy Saving Feature



Natural Ester Insulation Oil



Foil Winding



Corrugated Tank

STANDARD ACCESSORIES

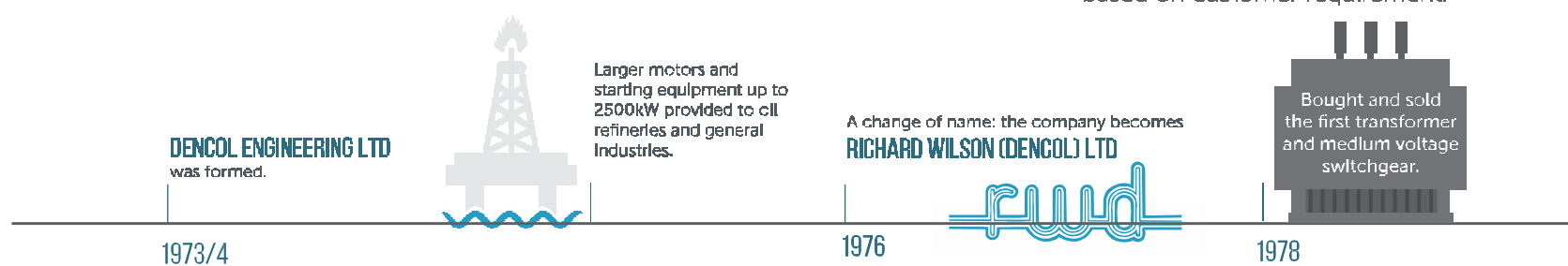
- HV Off-Circuit Tap Changer (+/-2.5% or +/-5.0% or +7.5%),
- HV Indoor Cable Box or Outdoor Bushing Terminals
- Tank Lifting Lugs & Jacking Pads
- LV Indoor Cable Box or Bus-Duct Adapter Box
- Conservator with Plain Oil-level Gauge (POG)
- Skid Base with Bi-directional Rollers
- LV Outdoor Bushing Terminal for Neutral Earthing
- Oil Drain & Filtration Valve

- Rating & Diagram Plate
- Thermometer Pocket
- Dehydrant Breather
- Earthing Terminals

SPECIAL ACCESSORIES

- DGPT Relay
- Air Cell Bag for Conservator
- Digital OTI & WTI with SCADA output
- Rapid Pressure Release Relay

Note : Above accessories will be provided based on customer requirement.



COMPARISON OF TRANSFORMER LOSSES (W)

KVA RATING	IS:2026 NORMAL (CBIP) TRANSFORMER	IS:1180 ENERGY EFFICIENT LEVEL-I TRANSFORMER
250	3,380	3,150
315	4,150	3,275
400	4,950	3,875
500	5,900	4,750
630	6,830	5,855
800	9,200	7,300
1250	13,900	10,750
1600	16,000	13,500
2000	21,300	17,000
2500	27,600	20,000

TYPICAL PAY-BACK CALCULATION

INVEST LITTLE MORE NOW & SAVE BIG SOONER OR LATER!

100% LOAD ON 1000KVA "NORMAL" VS "ENERGY EFFICIENT" TRANSFORMER

TRANSFORMER TYPE	TOTAL LOSSES (W)	ANNUAL ENERGY COST @ ₹8 / UNIT	PAY-BACK STARTS FROM
IS:2026 NORMAL TRANSFORMER	11,800	₹8,26,944.00	-
IS:1180 ENERGY EFFICIENT LEVEL-I TRANSFORMER	9,000	₹6,30,720.00	3rd Year
IS:1180 ENERGY EFFICIENT LEVEL-II TRANSFORMER	7,700	₹5,39,616.00	2nd Year
IS:1180 ENERGY EFFICIENT LEVEL-III TRANSFORMER	7,000	₹4,90,560.00	2nd Year

Calculation made are approximate assuming Transformer is at Full Load throughout the year. 11800W Losses Total. Loss for 1 Hour registered 11.8 Unit (or kWh). For 24 Hours it is 283.2 Unit. For 365 Days it is 1,03,568 Unit. And at 8/- per unit the cost is ₹8,26,944.00

Detailed Pay-Back Calculation can be furnished against customers' actual requirements

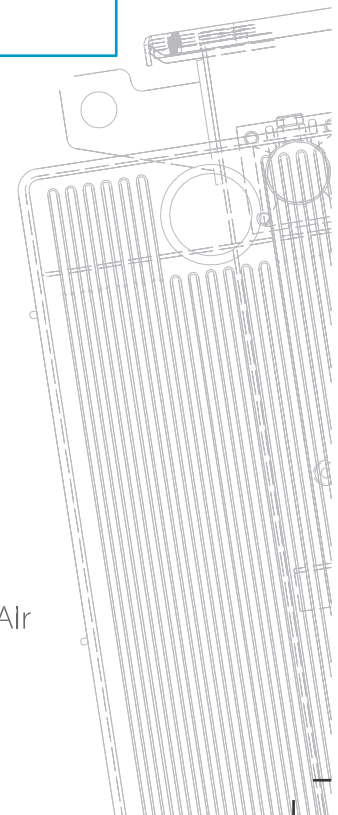
ESTER OIL

NATURAL / SYNTHETIC ESTER INSULATED OIL TRANSFORMERS

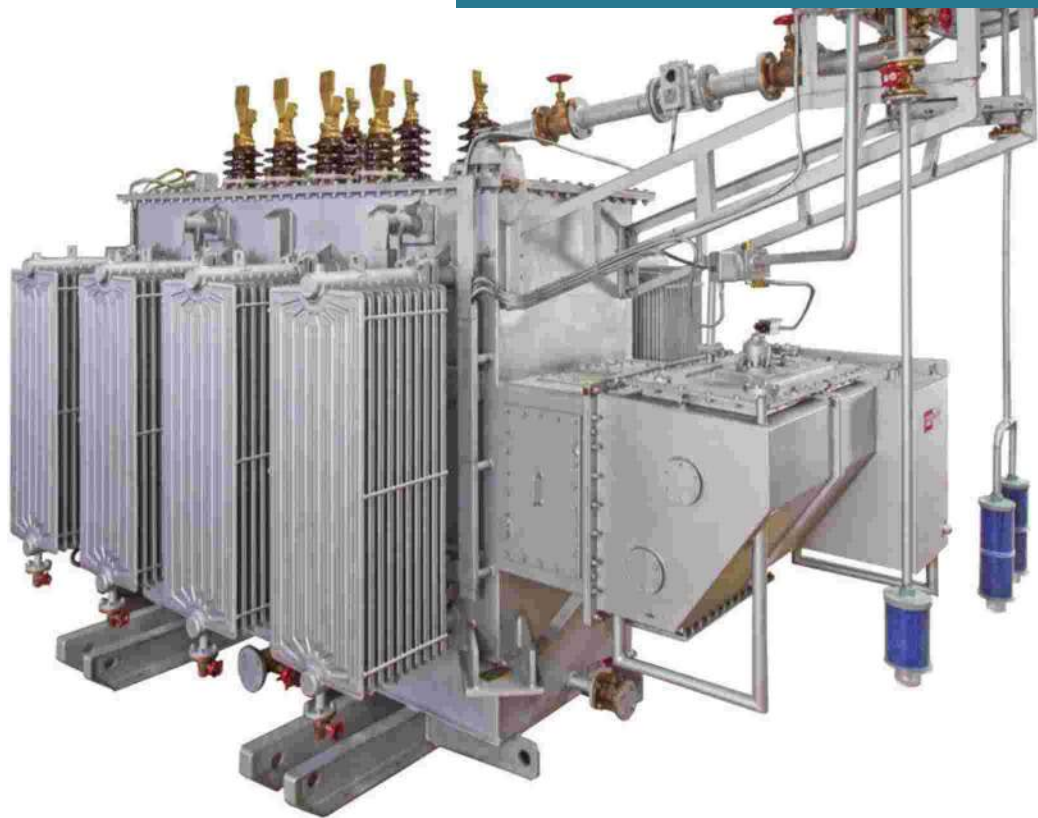


KEY BENEFITS

- Suitable For Indoor Installation
- Improved Fire Safety
- Extended Insulation Life
- Increased Loading Capacity.
- Non-toxic
- Biodegradable
- Non-Hazardous In Soil, Water & Air



POWER TRANSFORMERS



Power Transformers are made of Cold Rolled Grain Oriented (CRGO), Double Wound type, liquid filled. The reliability and efficiency of a power transformer has a major impact on the total cost of transmission over a long period of time. Our Power transformers are safe and ensures profitable benefits to customers. They are manufactured in accordance with national and International standards.

SPECIFICATION

Power Transformers are generally available in liquid filled type.

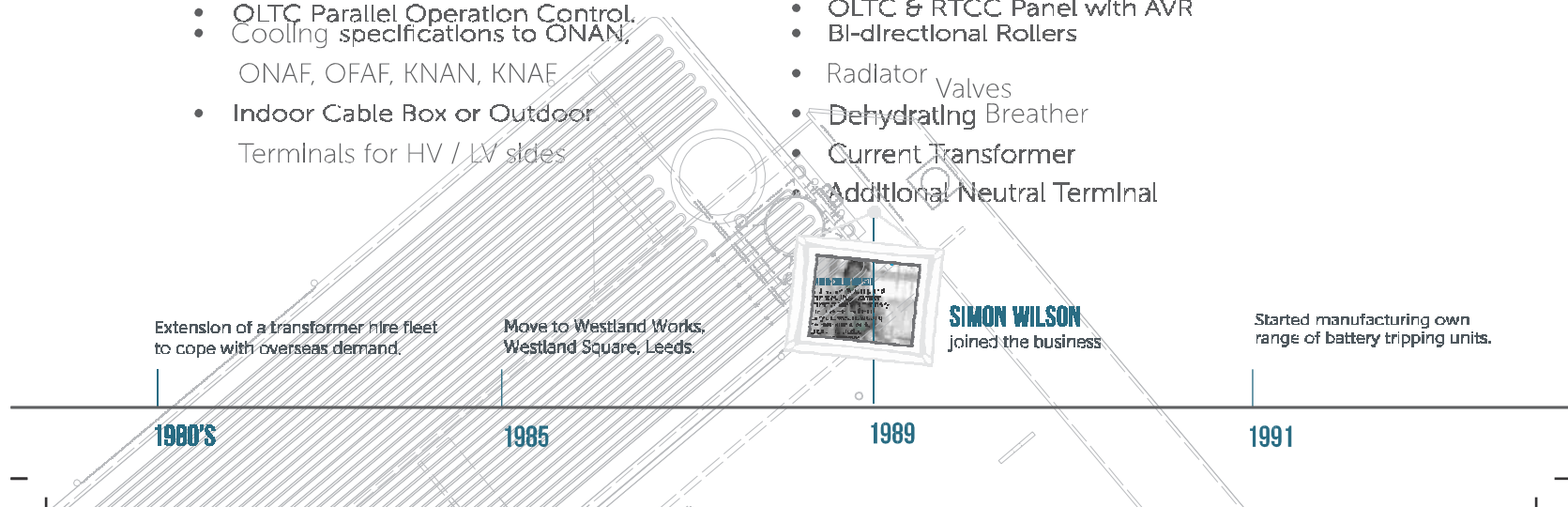
Basic specification comprises:

- Off-Circuit Tap Changer or Selector
- On-Load Tap Changer with Drive Mechanism
- Remote Tap Change Control Panel with AVR
- OLTC Parallel Operation Control
- Cooling specifications to ONAN, ONAF, OFAF, KNAN, KNAF
- Indoor Cable Box or Outdoor Terminals for HV / LV sides

ANCILLARY EQUIPMENT

Supplementary / Ancillary Equipment can be fitted as per requirements. Please see a typical list below:

- Oil Temperature Indicator (OTI)
- Winding Temperature Indicator (WTI)
- Magnetic Oil-level Gauge (MOG)
- Pressure Relief Device (PRD)
- Marshalling Box
- Forced Fan Cooling
- OLTC & RTCC Panel with AVR
- Bi-directional Rollers
- Radiator Valves
- Dehydrating Breather
- Current Transformer
- Additional Neutral Terminal



SPECIAL TRANSFORMERS



EARTHING TRANSFORMER

Transformer with Zig-Zag or Inter-Connected Star Winding.

Segments: Substations where large Unearthed Power Transmission Is Involved.



CONVERTER DUTY TRANSFORMER

Transformer with one or more Output Windings connected to the rectifier loads.

Segments: Industries with large DC Loads



K - RATED TRANSFORMER

Transformers for Harmonic Generating Loads

Segments: Industries with large VFD driven machineries



FURNACE TRANSFORMER

Designed to withstand repeated high Mechanical & Thermal Stresses by Furnace

Segments: Steel Plants, Rolling Mills & Non-Ferrous Metal Industries.



SOLAR TRANSFORMER

Transformer suit to withstand Voltages Excursions due to Pulsed Mode Inverter.

Segments: Renewable Solar Energy



WIND TURBINE TRANSFORMER

Compact Transformer suitable for Installation Inside Nacelle or Tower Base.

Segments: Renewable Wind Energy

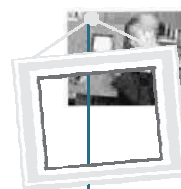
Employ overseas companies to manufacture distribution transformers.

1993/4

POWER AND DISTRIBUTION TRANSFORMERS LTD

Sold the first power transformer at 12/25MVA to Aggreko in Sri Lanka.

1996



ERIKA WILSON
joined the business.

1997

Manufactured a 30/40MVA at 90kV/15kV transformer in 13 weeks for a company in Chad.

Manufactured 4 reactors as the mainpower input to a Russian oil field.

DRY TYPE TRANSFORMERS

Dry-type Transformers are used to eliminate fire hazards, environmental contamination and maintenance. The Cooling ducts in the windings allows heat to be dissipated naturally into the air. In addition, Cooling Fans can be provided to operate when temperature exceed the set value made in the Temperature Monitor.



INDOOR APPLICATIONS



Shopping Complexes



Housing Complexes



Hospitals



Education Institute



Marriage / Party Hall

Anywhere that safe and dependable power are important

Started manufacturing low voltage ACB and pillar feeder cabinets.

2003

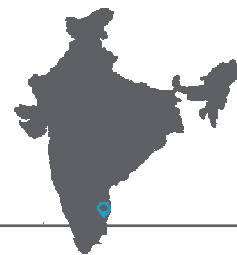
Designed and manufactured 6 X 30/40MVA, 132/33kV power transformers to NEPA Nigeria.

Manufactured containerised switch gear packages to Iraq.

2004/05

Opened design and tendering in India.

2006



COMPACT SUB-STATIONS

The Compact Sub-Station (CSS) is also known as Packaged Sub-Station (PSS). The Compact Sub-Station is a compact arrangement which replaces the conventional sub-station arrangement consisting of Pole Structure / Platform, Lightning Arresters, Load Break Switch / Vacuum Circuit Breaker, Transformer, Distribution Panel, etc. CSS is delivered as a single unit and can be near the load centre.

ADVANTAGES

- Cost Effective & Space Saving.
- No separate room is required.
- Fully compartmentalized design.
- Indoor & Outdoor Installation.
- Customized & Tailored Configuration.
- Aesthetical - suits the site topography.
- Requires less maintenance.
- Easy Installation & operation.
- Reduced Electrical Losses.
- A high degree of Safety
- Operational reliability.
- Lesser logistic cost.
- Avoids disruption in power supply.
- Delivered as a single unit

Established the manufacturing unit for capacity up to 36kV, 16MVA Transformer

Started Transformer Manufacturing and Exporting

2007

First **DUAL-RATIO TRANSFORMER** manufactured

ISO 9001:2000 Certification from LRQA within a year of Manufacturing

2008

Began the supply of Wind Mill Transformer against bulk order for Gamesa & Regen

2009

First **SCOTT CONNECTED TRANSFORMER** manufactured

2010



UNITIZED SUB-STATIONS

The Unit Sub-Station is used for feeding power from high voltage to low voltage in open cast mines, construction sites, metro cities, etc. It is compact in size, suitable for frequent shifting and can be used outdoor. The substation is installed and mounted on skid frame/wheels/channels and comes with lifting hooks.

APPLICATIONS



Shopping Complexes

First Large Transformer 7.5MVA manufactured
First Earthing Transformer manufactured

2011



Housing Complexes

First Triple-Ratio Transformer manufactured
8MVA, 33/11kVA Power Transformer for **TANTRANSCO** manufactured

2012



Hospitals

First 500kVA Multi-Ratio Transformer manufactured
First Converter-Duty Transformer manufactured

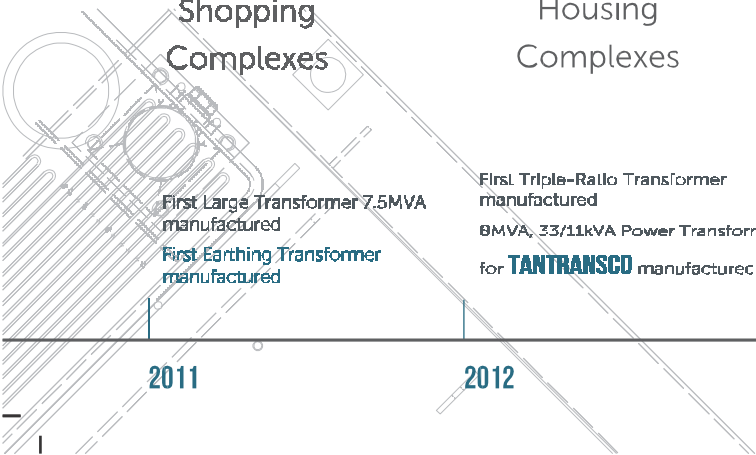
2013



Education Institute

Larger 12.5MVA, 33/11kV Transformer manufactured & exported to Nigeria.
First 500kVA, 11kV/433V USS Transformer manufactured & exported to Nigeria.

2014



SERVICES & SUPPORT

OUR SERVICES

WPDT Service Team support customers' requirements such as:

- Pre-sales Feasibility Studies
- Relocation Planning Assistance
- Pre-Commissioning & Control Scheme Tests
- Supervision during Erection and Commissioning
- Post Delivery Modification & System Upgrades

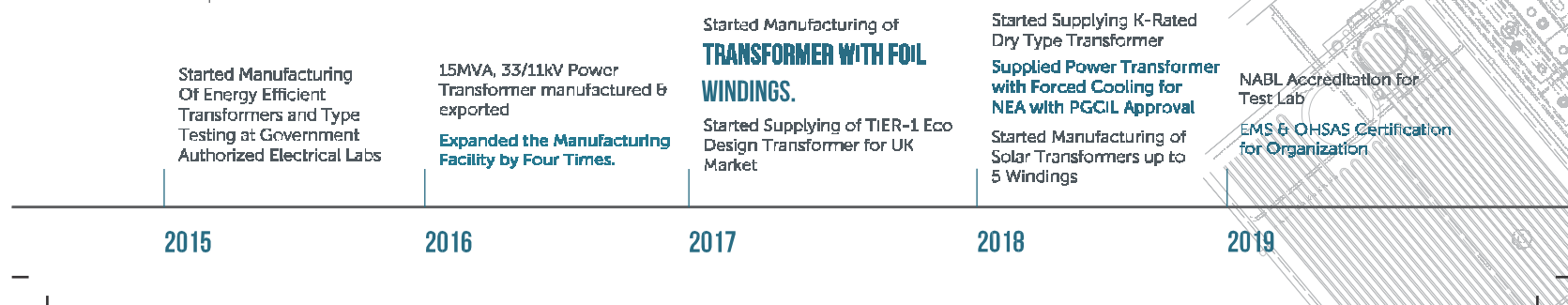
SUPPORT

CUSTOMER SERVICES

We aim to provide outstanding levels of customer service and endeavor to make dealing with us an easy and pleasant experience every time you contact us. Got a query? Please get in touch, we're here to help!

TECHNICAL SUPPORT

The Wilson Technical Support team is committed to help you with any technical problem that may face, trouble shooting where appropriate or escalating complex issues to relevant engineering teams.



CUSTOMERS & CLIENTS



Part of the Wilson Power Solutions Group

WILSON POWER AND DISTRIBUTION TECHNOLOGIES PVT. LTD.

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