

COMPANY PROFILE



INTRODUCTION

Ron Grant founded Grant Electrical Industries Pty Ltd in 1931. With rapid growth during the 50's and 60's the company comprised the following divisions. Grant Electrical Switchboards, Grant Electrical Contractors, Grant Elevators, Grant Transformers, Grant Bosch. In 1992 the business was broken into Grant Transformer and Elevator Sales. Grant Transformers continued to grow and provide a range of all types of dry and epoxy transformers for industrial needs as well as specially designed DC systems.

Grant Transformers provides solutions to electrical problems involving transformers, reactors, chokes and DC supplies with over a combined 100 years of experience still being used as the highest level of technical transformer advice. IT based design procedures are employed, ensuring that customer product requirements or specifications are fully met prior to commencing manufacture. This process also permits the designer to optimize important product features. The company adopts strict quality management protocol with formal ISO 9001, ISO 14001 and ISO 45001 certification in place. Grant provide details of a variety of standard type ferro-magnetic products which we manufacture or are able to supply. The factory encompasses full winding, assembly, termination, impregnation and testing capabilities. For ratings outside local manufacture, Grant Transformers supply transformers out of our China and Euro factory to IEC/AS standards under Grant license with annual quality audits and reviews undertaken. This allows a diverse and comprehensive customer offering.

Grant Transformers has a sister company in NSW allowing support across West to East Coasts of Australia. Associated company Antipodes Power Solutions provides broad spectrum Industrial Grade Power Conditioning, Statom/PFC and BESS/ Inverter Solutions.

QUALIFICATIONS



ANNIVERSARY

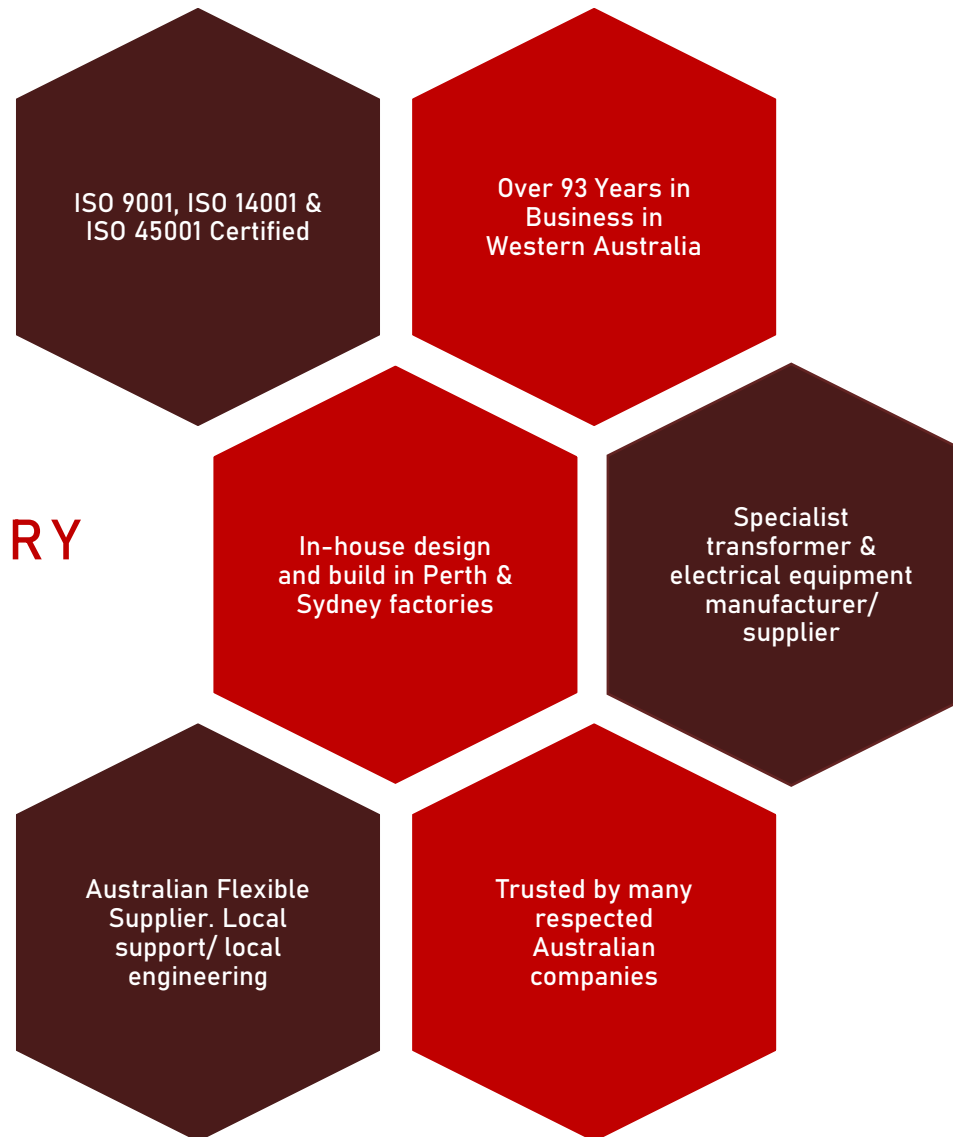


Global-Mark.com.au®



QUICK OVERVIEW

TRANSFORMING INDUSTRY



VISION | MISSION



Our mission is to be part of a better future for our customers and employees by understanding and solving our customers' needs and problems



Our mission is to identify customer's electrical problems and develop solutions. We do this while continuously improving and developing our skills in communication and learning. We believe the result of this will have a better tomorrow

OUR VALUES

Customer focused

Value added solution benefits everyone

If we help our customers do well, then we will do well

What goes around comes around

Teamwork

Work as a team to understand and solve our customers transformer problem and provide excellent customer care

Innovation

Value innovation and creativity and improve everything we do

Integrity

Honor commitments

Do what we say and say what we do – creates respect

Responsibility

Be accountable for our actions and our future

Customers

Quality
Price
Delivery
Support
Communications

Employees

Security
Incentives
Satisfaction
Support
Growth

Shareholders

Equity Plan
GM/ PBIT
Growth
Sustainability
ROI

Community

Fair employment
Social giveback
Environmentally conscious
Zero discrimination

WE ACHIEVE OUR GOALS THROUGH FOCUS ON STAKEHOLDERS

Government

Tax
Employment
Skills Development

Media & Press

Transparent
Honest reporting
Monthly updates
Advertising

Finance Inst

Interest
Secure loans
Credit Management

Suppliers

Payment
Support
Relationship
Communication



HOW WE HELP YOU

1

Trusted local Australian company who are transformer experts in AS60076.1, AS2374, AS61558, MEPS compliance. Know that you will get the right standards delivered

2

Local transformer electrical design engineers you can speak to who, deeply understand transformer theory and practical applications

3

Local capability to execute routine testing and special tests to AS such as noise level and temperature rise testing

4

A company who can offer local witness testing in Australia to AS standards

5

Local transformer mechanical engineers who understand AS standards and can design bespoke solutions

6

The ability to resolve unforeseen changes on transformers in Australia in a timely fashion

7

Library of existing type test certificates that can be referenced for local compliance

8

A track record or accountability and integrity. Local reference checks available across Australia

9

Local factory visits and tours and capability in NSW and WA facilities



COMPANY POLICY

Quality Policy

Grant Transformers is committed to providing exceptional service in the manufacture and supply of transformers and electrical equipment.

Our quality objectives are satisfied clients, applicable requirements and continual improvement. To ensure these objectives are achieved, we have established and will maintain a quality management system which complies with AS/NZS ISO 9001:2018. Through our training programs, all employees have gained a sound understanding of this policy, our management system and are empowered to deliver service excellence. We will achieve our objectives through our focus, our commitment, and our training.

Work Health & Safety Policy

Grant Transformers is committed to leading the industry in minimising the impact of its activities on the environment. Minimise waste by evaluating operations and ensuring they are as efficient as possible.

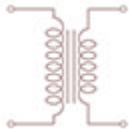
- Minimise toxic emissions through the selection and use of its fleet and the source of its power requirement.
- Actively promote recycling both internally and amongst its customers and suppliers.
- Source and promote a product range to minimise the environmental impact of both production and distribution.
- Meet or exceed all the environmental legislation that relates to the Company.



Marco Da Silva
Chief Executive Officer



End to End Solutions



Australia Transformer
Manufacturing
10VA to 500kVA
Dry/VPI, open and
enclosed with various
input and output
voltages. Design and
Supply up to 100MVA
up to 275KV



DC Products (Battery
Chargers, Battery
Storage and Power
Conditioners and
Supplies)
A variety of transformer
based and switch mode
type power supplies
from 1.5VDC to 1000VDC.



Research &
Development
Service offerings
including
assessing and
designing bespoke
AC and DC
solutions.



Supply Chain
Management
Packaging, deliveries
and collections
undertaken on all our
products for
enhanced service
offerings.



AUSTRALIAN FACILITY



OVERSEAS FACILITY



PRODUCT LIST

- Isolation, Control, Traction, Signal and Auxiliary Transformers
- DC Power Supplies (Unregulated Low Hz)
- Transformers – Power & Distribution (Oil filled ONAN Type)
- Transformers – Dry Type Cast Resin Encapsulated & VPI
- Ring Main Units/ HV Isolators
- Bunded Kiosk Transformers to IP64
- Mini Substations



PRODUCT LIST

- Transformers - Potential & Instrument (Dry and Resin Encapsulated)
- Chokes, Reactors, LC Sinewave Filters
- Neutral Earthing Resistors
- Transformer Refurbishments
- Earthing Transformers
- KNAN FM FR3 Eco Friendly Type Transformers
- CT's and VT's



Larger Transformer Examples

1250kVA 11000//415 Oil Cooled Distribution Transformer with infrared window



15MVA 33000//11000 Oil Cooled Power Transformer



Bespoke Transformer Examples

Outdoor Dry Type Cast Resin 2.6MVA 11000/3300V
Dyn11 AN/AF IP44+Neutral Earthing Resistor (NER)

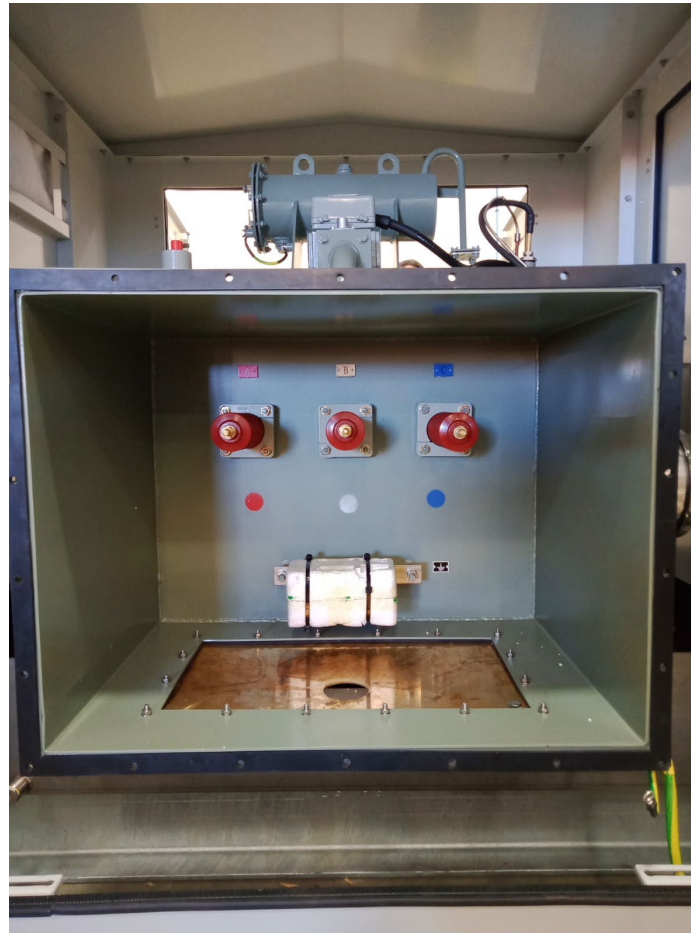


100kVA 11kV 100A 10s KNAN ZnO Earthing
Transformer with Enhanced Protection

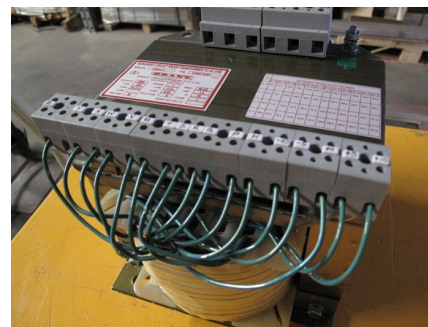
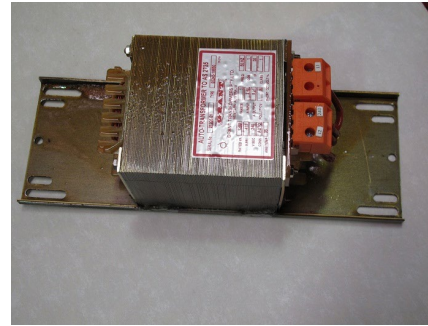


Kiosk Transformer Examples

Bespoke Transformer Kiosk Solutions with Neutral Earthing Resistors, RMU's etc....



General Transformer Examples



11kV/22kV/33kV SF6 Indoor Type

RMU Product Examples

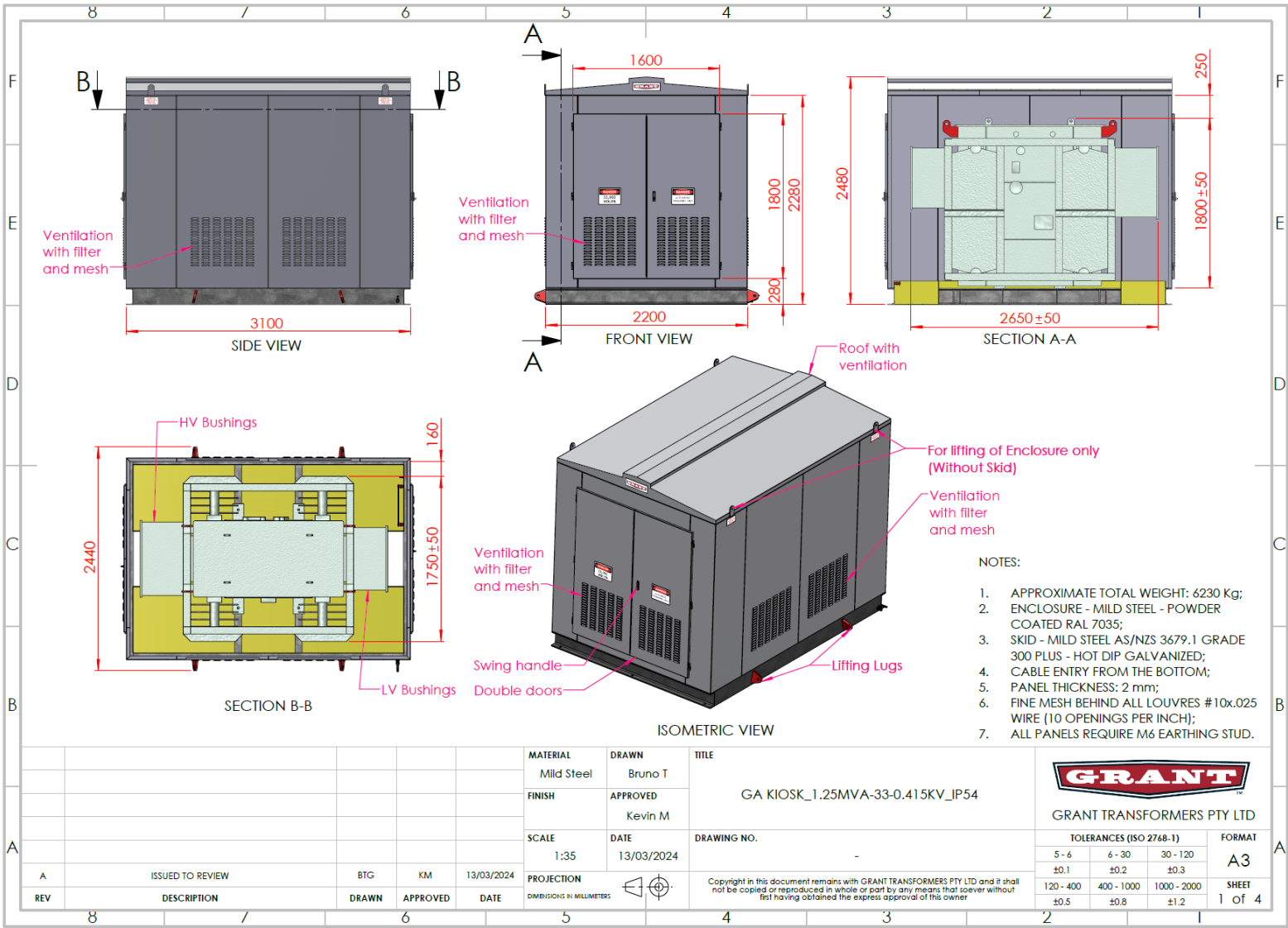


Smart RMU Outdoor Type

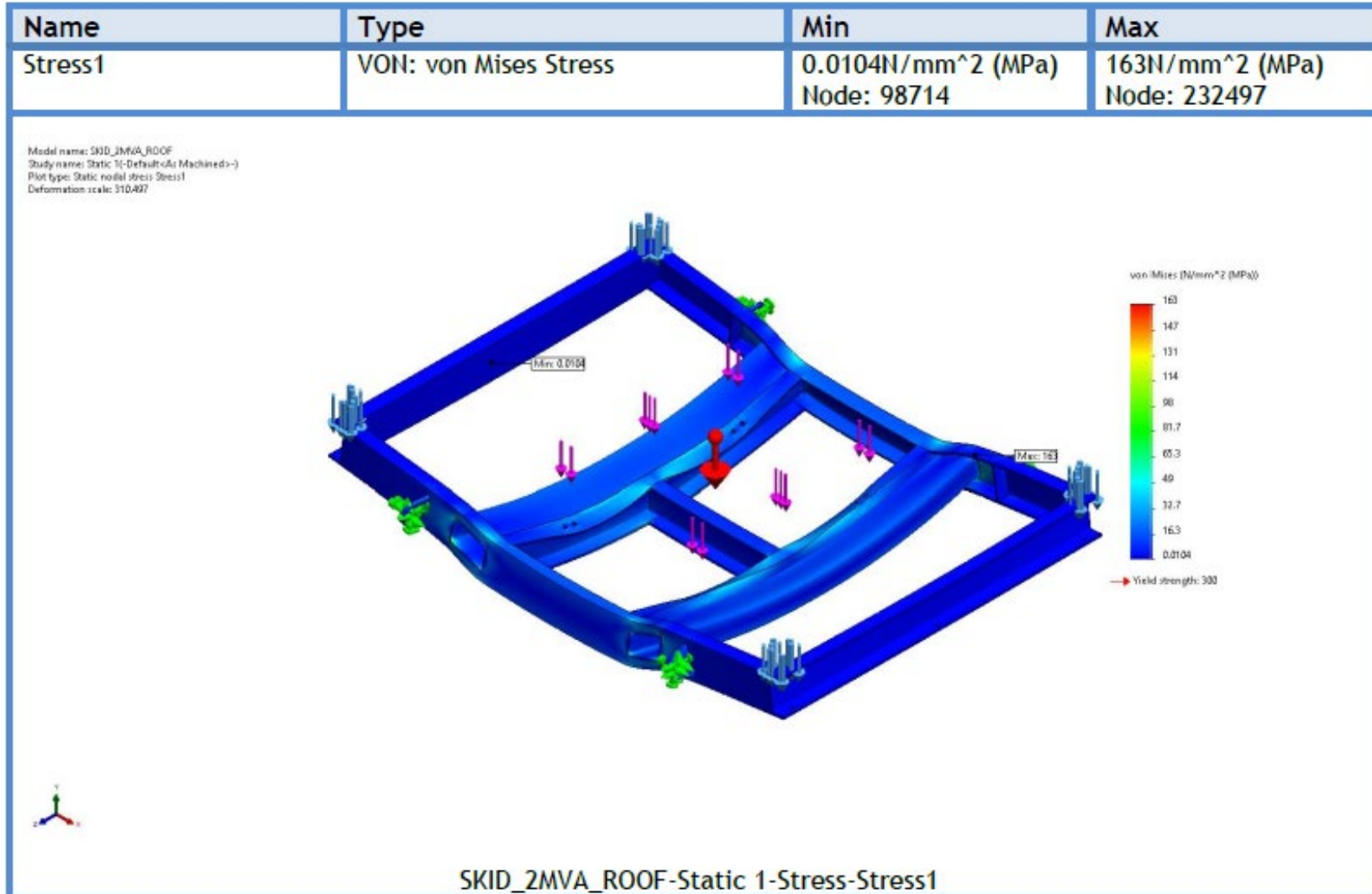
Outdoor Special RMU Example



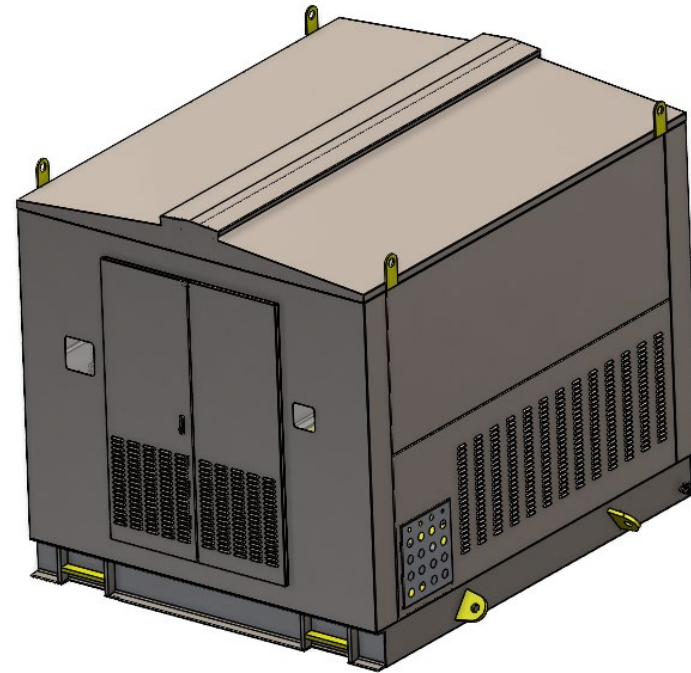
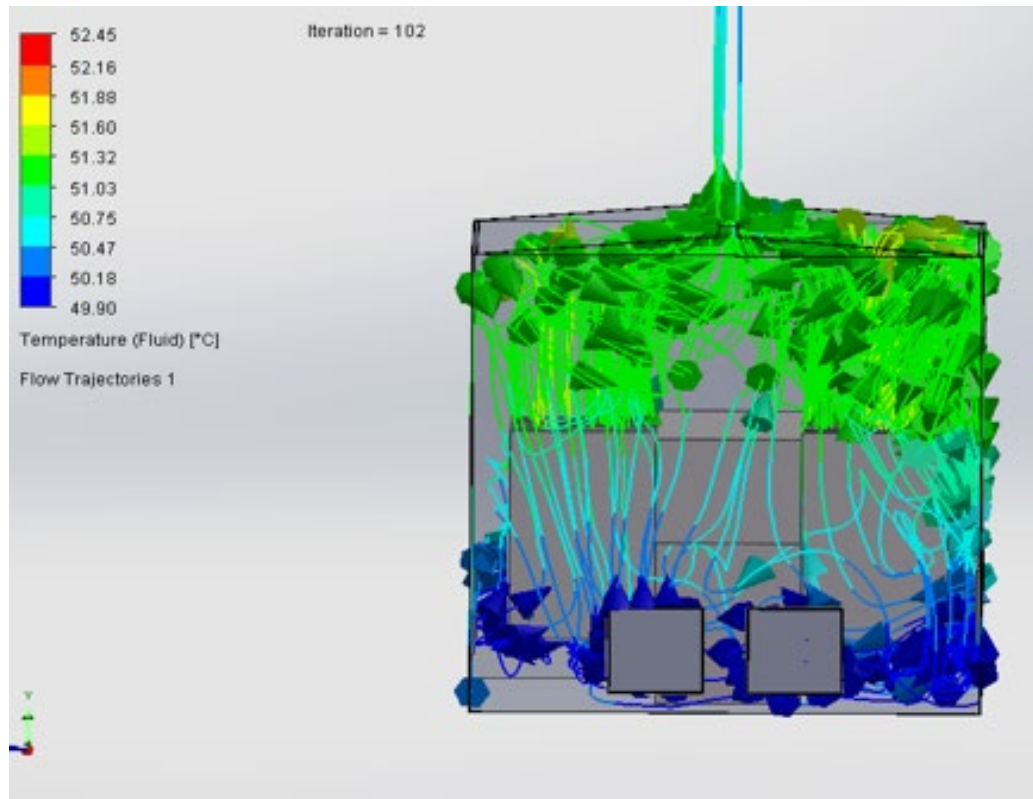
PROFESSIONAL SERVICES
(KIOSK DESIGNS)



PROFESSIONAL SERVICES (LIFTING ANALYSIS/STATIC SIMULATION)



PROFESSIONAL SERVICES (HEAT RISE/ FLOW SIMULATION)



ROUTINE TESTING

1. Measurement of winding resistance
2. Measurement of voltage ratio and check of phase displacement
3. Measurement of short-circuit impedance and loss
4. Measurement of no-load loss and current
5. Dielectric routine tests
6. Tests on on-load tap-changers, where appropriate
7. Leak testing with pressure for liquid-immersed transformers(tightness test)
8. Tightness tests and pressure tests for tanks for gas-filled transformers
9. Check of the ratio and polarity of built-in current transformers
10. Check of core and frame insulation for liquid immersed transformers with core



TYPE TESTING (EXTERNAL CERTIFIED LAB)

1. Temperature-rise type test
2. Dielectric type tests
3. Determination of sound level for each method of cooling for which a guaranteed sound level is specified
4. Measurement of the power taken by the fan and liquid pump motors
5. Measurement of no-load loss and current at 90% and 110% of rated voltage

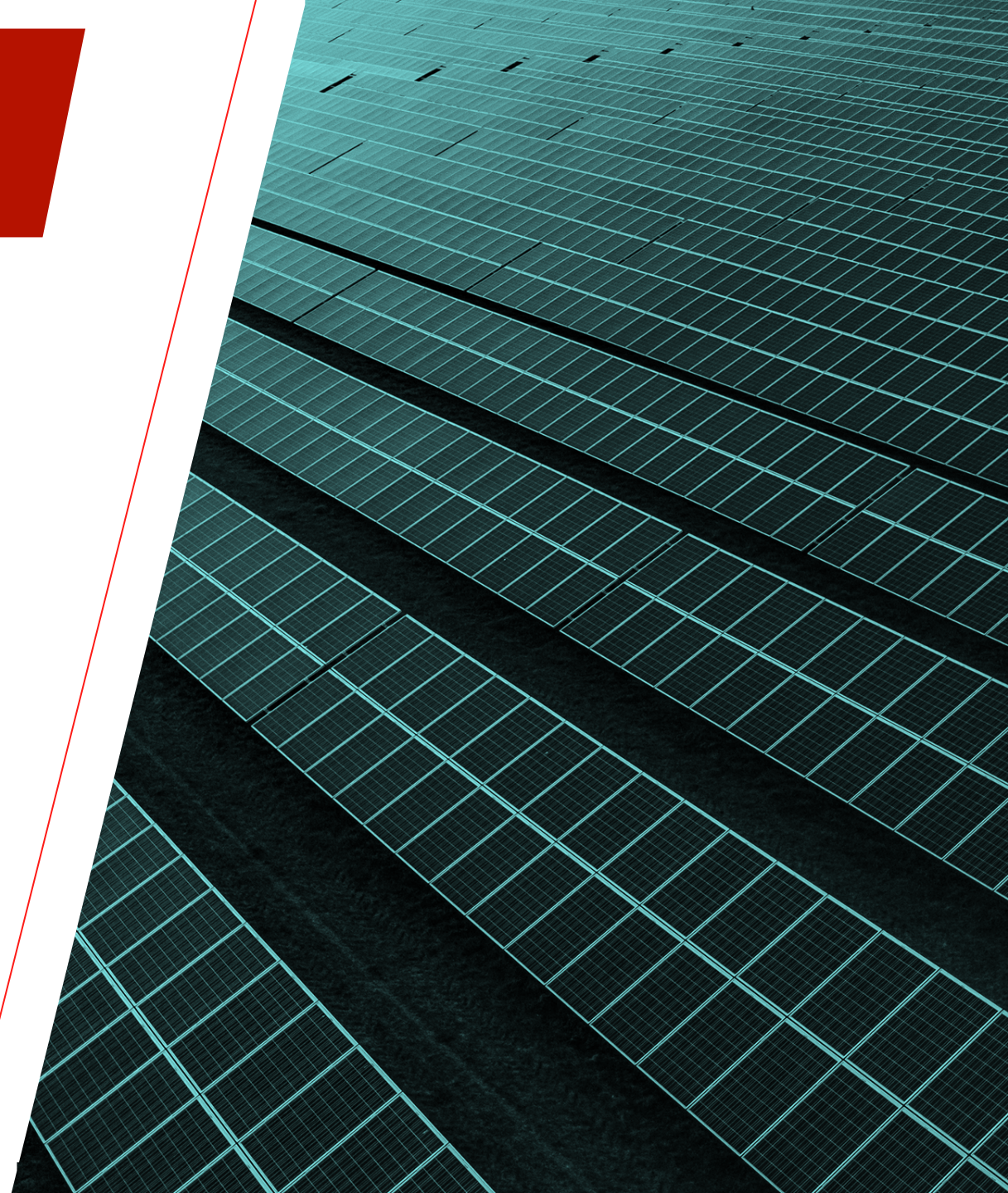
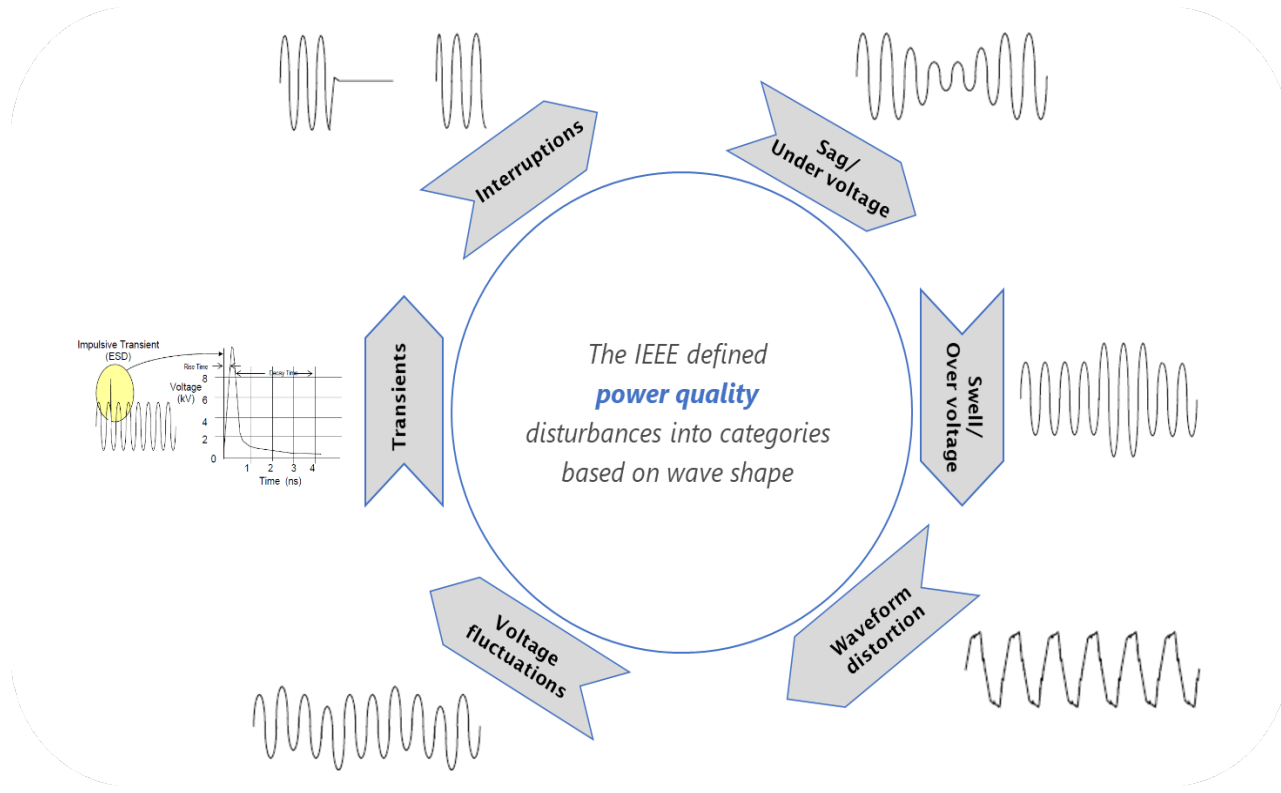


SPECIAL TESTING

1. Dielectric special tests
 2. Winding hot-spot temperature-rise measurement
 3. Determination of capacitances windings-to-earth, and between windings
 4. Measurement of dissipation factor($\tan\delta$) of the insulation system capacitances
 5. Determination of transient voltage transfer characteristics
 6. Measurement of zero-sequence impedance(s) on three-phase transformers
7. Short-circuit withstand test
 8. Measurement of D.C insulation resistance each winding to earth and between windings
 9. Vacuum deflection test on liquid immersed transformers
 10. Pressure deflection test on liquid immersed transformers
 11. Vacuum tightness test on site on liquid immersed transformers



ANTIPODES POWER



PRODUCT LIST

LV/ MV/ HV Statcom's (Dynamic Power Factor Correction/ PFC)
Upto 132kV and 50MVAR (indoor/ outdoor)

LV/ MV/HV Capacitor Banks and Energy Storage
Lead Acid, Traction, Lithium-ion

Ring Main Units (RMU's)
11kV, 22kV and 33kV (indoor/outdoor)

Auto Reclosers
11kV, 22kV and 33kV (indoor/outdoor) (pole mount/ ground mount)

Automatic Voltage Stabilisers/ Voltage Regulators
1kVA to 5MVA (240VAC or 415VAC)

Static Frequency Converters
50Hz, 60Hz, 400Hz up to 4MVA

Static Switches
1kVA to 800kVA (240VAC or 415VAC) * Special voltages as well

Power Attenuation and EMI Suppression
10Amps to 1000Amps

Active RCD Earth Fault Management Filter Systems/ LV Anti-Arching Technology
1kVA to 800kVA 240V and 415V



THANK YOU

Thank you for your time. Feel free to
contact us or visit our premises at
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