

Tyree has a comprehensive range of transformer products to support the needs of a range of industries including; mining, industrial, mineral processing, utilities, rail transport, renewable energy, defense style kiosks and commercial sectors.



Pole Mounts



Ground Mounts



Regformer



Mining Substations



Water



Defence



Power Transformers



Mobile Substations



Traction

Customised kiosk designs are available, please contact the Tyree Sales team on (02) 4872 6177 or sales@tyree.com.au for other MV and LV configurations.

TYREE
TRANSFORMERS

Ph: 02 4872 6177 | Fax: 02 4871 3488 | sales@tyree.com.au | www.tyree.com.au



Quality
ISO 9001
SAI GLOBAL

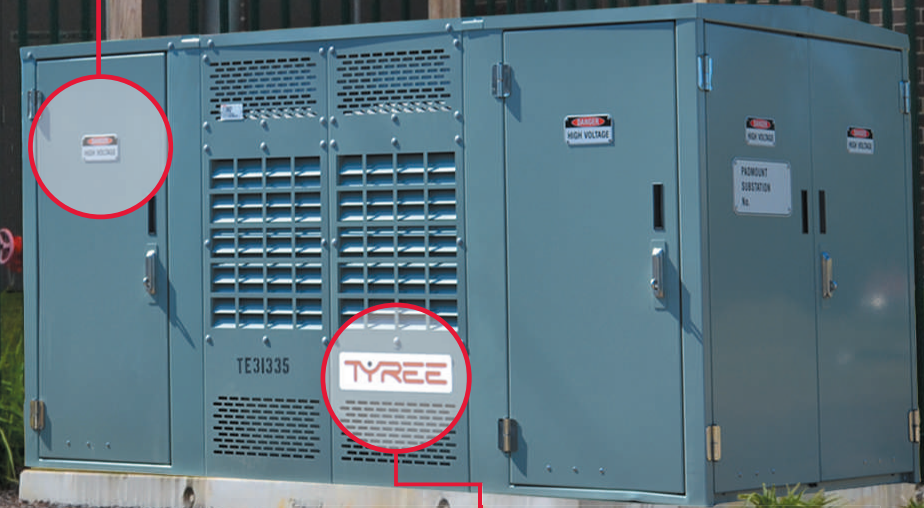
TYREE
TRANSFORMERS



KIOSK SOLUTIONS

Medium voltage kiosk substations for industrial, mining, commercial, water, defense and power utility applications

Built to Australian & New Zealand standards with utility grade specifications and customised to specific applications



Fully manufactured and assembled in Australia by a leading transformer manufacturer, using high grade materials and switchgear components

KIOSK SOLUTIONS

Medium voltage kiosk substations for industrial, mining, commercial, water, defense and power utility applications

Tyree Transformers manufactures a comprehensive range of medium voltage kiosk substations for a range of applications. These kiosks are manufactured in Australia using high quality materials and proven components. The standard JE Series kiosk substation is available in ratings from 100kVA to 1500kVA at primary voltages of 6.6kV to 33kV. Tyree also manufacture a CusTom range of kiosk substations with ratings up to 5MVA.

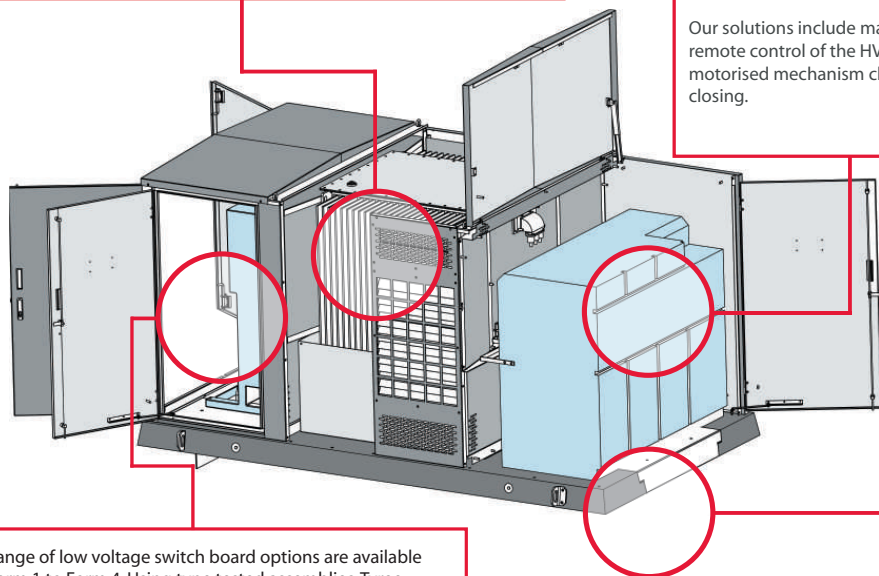
A comprehensive range of transformers are available for the kiosks utilising;

- High flashpoint and biodegradable insulating oils
- Sealed transformers with nitrogen blanket or dry air head
- Free breathing conservator style transformers
- Windings manufactured from copper or aluminium
- Low impedance transformers for large motor starting applications
- Step up transformers for generation installations
- Three winding transformers for motor starting and inverter applications for power generation

The Tyree kiosk substation has been designed to accommodate all major brands of 33kV, 22kV and 11kV switch gear including circuit breakers, fused isolators and disconnectors to allow our customers the ability to select their preferred standard products.

With access doors on the front and side of the switchgear for ease of maintenance.

Our solutions include manual operation to full remote control of the HV switch gear using motorised mechanism charging and remote closing.



A full range of low voltage switch board options are available from Form 1 to Form 4. Using type tested assemblies. Tyree are able to integrate all brands of Low Voltage switch and fuse gear into our substations.

Dedicated enclosures are also available for the inclusion of the clients preferred control and monitoring systems including SCADA, PLC, PCMS, remote I/O and battery charger solutions.

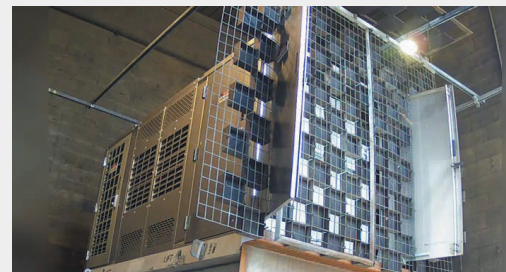
All electrical and mechanical components are solidly connected and earthed in accordance with AS3000 standard.

Concrete or galvanised steel plinths available

OPTIONS

- Alternative kiosk arrangements including 'square type' and compact 'low profile vault' substation arrangements
- A range of alternate Medium Voltage switchgear utilising solid insulation, vacuum switching or oil insulation
- Medium Voltage protection relays to IEC61850
- SCADA & RTU communications
- Wireless communications systems
- Stainless steel enclosures
- Marine grade aluminium enclosures
- Increased enclosure IP ratings up to IP66
- Integral oil containment
- Galvanised mild steel base frame in lieu of contract plinth
- Galvanised transformer tanks
- Low voltage distribution switch boards and motor control centres
- Switchgear from reputable vendors can be configured to client preference
- Mechanical captive key interlocking
- Interior lighting
- 240V GPO
- DC battery chargers and batteries
- PLC control and monitoring
- Captive key mechanical interlocking
- Enhanced transformers protection to AS2067

Type tested internal arc containment (IAC) rating to 20kA (1sec) in accordance with AS 62271.202 Annex A, CLASS IAC-AB



APPLICATIONS

Defence



Mining



Renewable



Industrial



Power Utility

