

ARC SHIELD KIOSK

PACKAGED SUBSTATION TRANSFORMER

DESIGNED TO BE INTRINSICALLY SAFE FOR OPERATORS AND THE PUBLIC IN THE EVENT OF A FAULT WITHIN THE HV SWITCHGEAR COMPARTMENT.



KEY FEATURES

Complies with IEC62271-202:2014-03, with a rating of IAC-AB 20kA/1s.

Safe for installation in high-risk areas, workplaces and public spaces without the need for additional fencing or protection.

Fully integrated substation capable of housing a number of transformer sizes.

Segregated cubicle for the installation of Low Voltage switchgear and protection.

Segregated cubicle for the installation of High Voltage switchgear and protection.

Removable enclosure to enable future modifications or upgrades.

Painted, galvanised sheet enclosure (colour can be specified). Mild steel galvanised base (painted, optional).



OPTIONAL FEATURES

Winding temperature indication

Fused protection

Surge arrestors

Fault passage indicators

Voltage monitoring

Current monitoring

Remote monitoring

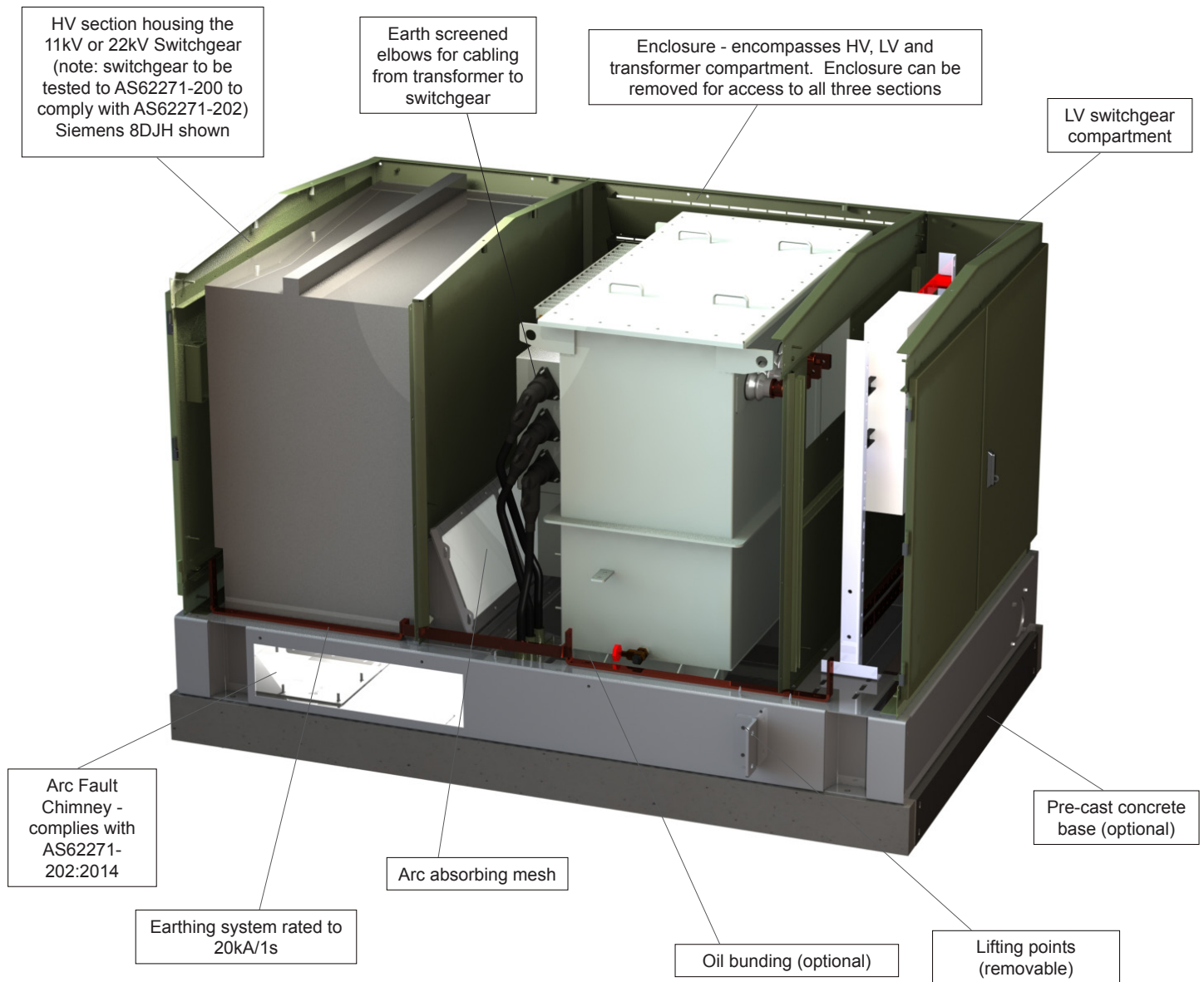
Oil bunding

TECHNICAL SPECIFICATIONS

Standard	Designed and manufactured to AS60076.1 IEC62271-202:2014-03	LV Voltage	415-240 (as standard)
Kiosk arc fault rating	IAC-AB 20kA/1s	HV tappings	+5% to -7.5% up to 300kVA +2.5% to -10% 500kVA and above As standard (others available)
IP Rating	Kiosk enclosure - IP23D HV & LV compartment - IP54	BIL/Power Frequency Levels	95kVpeak / 28kVrms 150kVpeak / 50kVrms
Kiosk short circuit rating	20kA/1s	Ground footprint	4.8m ² (500kVA and below)
Oil	IEC60076	Mass	Up to 3,500kgs (500kVA, 11KV and below) Up to 10,000kgs (750kVA and above)
KVA sizes	50kVA up to 3MVA		
HV Voltage	6600, 11000, 22000		

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ETEL LIMITED

ETEL Limited is New Zealand's largest transformer manufacturing company, specialising in the design and manufacture of distribution transformers.

With a six plant manufacturing facility in Auckland, operational facilities in Melbourne and Perth, and a manufacturing plant in Jakarta, ETEL is able to produce a full range of distribution transformers, from a capacity of 1kVA up to 4.5MVA in size, for electricity supply networks, wind generation, industrial and mining projects.

Globally ETEL employ a team of over 350 people dedicated to utilising the latest technology, production and supply chain processes to deliver outstanding product and performance.

ETEL are committed to the innovation of distribution transformers designed to meet the individual requirements and vision of its customers.