

Capability Presentation



**EPE your local HV
equipment specialist**

Content



01 About Us

EPE - Powering Industry

EPE is dedicated to the highest level of client satisfaction and strive to deliver exceptional service focused on exceeding expectations. Our simple commitment is “we are easy to do business with”.

02 New Equipment

Specialist HV equipment

We offer an extensive range of new, reconditioned and solutions-based application for sale or hire including an extensive stock at our facilities in Maddington.

03 Services

Maintaining your Asset

Our expert service technicians are specialists in their field can test and diagnose a variety of transformers issues. We can provide complete maintenance, repairs, refurbishments including modifications to all your transformer needs. Our workshop has comprehensive testing facilities, with special equipment for oil filtration and core winding servicing.

04 Cable Haul Hire

Cable Hauling tools and/or equipment

Available next business day. Hiring cable haul equipment will save you time and money on your next cable haul job by leveraging our extensive range of tools and equipment

About Us



Team Committed Quality

EPE is committed to deliver the highest level of client satisfaction in the Industrial Market across the Utilities, Mining, Water and Oil and Gas. With a dedicated skilled team of specialist, EPE are commit to resolving all needs and issues of our customer.



WA Local 30 Years

Operating for 30 years working with global suppliers, EPE provide personal service that comes from being local where we understand the individual needs within the region and can adjust to meet every expectation



Support Its Simple

EPE is dedicated to the highest level of client satisfaction and strive to deliver exceptional service focused on exceeding expectations. Our simple commitment is “we are easy to do business with”.

HV Equipment



New Equipment

Wide range of transformers from pole tops, ground mount and Power Transformer. We every application and specification covered that meets with your requirements. We design and build transformers that meet rugged and harsh environments

Refurbishment

We offer and extensive stock of quality second hand transformers are ready when you need a transformer quickly for the emergency or short time frame project.



Hire

Need a short term solution. Our hire fleet comes in a wide range of power and voltage levels to support most application providing our customers with consistent, reliable performance and quality across Australia. Our fleet are fully maintained providing confidence



Bunds

Build of concrete or steel bunds, our offer are specifically build to meet the specifications of our customers and can include options such as fencing, sumps and fire walls and can be transported with or without you transformer



Kiosk

Compact Substations are the best solution for ease of transport, reduced installation cost and provides minimal maintenance. EPE leverage local knowledge with our Designed and manufactured capabilities to , custom build kiosk's and compact substations.

Transformers

- ❖ Extensive range
 - ❖ Power Range from 5kVA – 300MVA
 - ❖ Voltage Range from 1000V – 220kV
- ❖ Designed for rugged and harsh environments
- ❖ Manufactured to client requirements
- ❖ Distribution Transformer
- ❖ Power Transformers
- ❖ Oil / Dry Type Insulation
- ❖ Bunded Solutions
- ❖ Compact Substations



Distribution Transformers

Underground



Earthing



Harsh Environment



Pole Top



Features

EPE's range of distribution transformer are factory designed and built to customers specific requirements. Suitable for all commercial and industrial applications

Components

- ❖ Voltage range from 1000V to 36,000V
- ❖ Power range from 5kVA to 5000kVA
- ❖ Pole Top / Ground Mount
- ❖ Earthing Transformers
- ❖ ONAN / KNAN / Dry Type
- ❖ Copper / Aluminium conductors
- ❖ Options can include
 - ✓ Instrumentation Options
 - ✓ Paint colour
 - ✓ Mineral / Eco friendly oil
 - ✓ Vector Types

Benefits

- ❖ Cost effective options with short delivery time
- ❖ Built for Australian harsh conditions
- ❖ Local support and ongoing maintenance

Power Transformers

Site Testing



Workshop Assembled



Site installation



Extra Large



Features

EPE supply power transformers for applications including generators and transmission with a broad ranging from 5MVA up to 300MVA. Designed and manufactured to the highest standards with each transformer being built to customers specific requirements and application.

Components

- ❖ Voltage range up to 36,000V
- ❖ Power range up to 100MVA
- ❖ Onload or offload tap changer
- ❖ Mineral / Eco friendly oil options

Benefits

- ❖ Cost effective options with short delivery time
- ❖ Built for Australian harsh conditions
- ❖ Local support and ongoing maintenance

Refurbished Equipment

Local Stock



12 Month Warranty



Extensive Range



Top Tops



Features

Our extensive stock of quality second hand transformers are ready when you need a transformer quickly for that emergency or short time frame project. With the ability to delivery in days or weeks, our fleet are completely overhauled and come with 12-month warranty

Components

- ❖ Voltage range up to 36,000V
- ❖ Power range up to 3500KVA
- ❖ Step down / Up
- ❖ Pole Top / ground mount
- ❖ HV Switchgear
- ❖ Bunded, Skid or Kiosk options

Benefits

- ❖ Short delivery time
- ❖ Piece of mind with 12 Month warranty
- ❖ Customized to client requirements

Hire Equipment

Special Designs



Extensive Range



Skid Options



Features

Our hire fleet comes in a wide range of power and voltage levels to support most application providing our customers with consistent, reliable performance and quality across Australia. Our fleet are fully maintained providing confidence that you will have the shortest amount of downtime on site and backed up with our repair services, EPE can provide you with all your site requirements.

Components

- ❖ Voltage range up to 36,000V
- ❖ Power range up to 3500KVA
- ❖ Step down / Up
- ❖ Skid / Kiosk solutions

Benefits

- ❖ Immediate delivery
- ❖ Short or long term hire options
- ❖ Minimal plant downtime

Bunded Solutions



Features

EPE's range of transformer bunds are factory built designed and engineered to customers requirements. we can tailor your bund to a range of installation requirements that saves you time at installation, safety and reliability.

Components

- ❖ Manufactured in concrete or steel
- ❖ Build to accommodate transformer up to 5MVA
- ❖ Options can include
 - ✓ Fencing
 - ✓ Fire wall
 - ✓ Switchgear
 - ✓ Cable Tray

Benefits

- ❖ A complete customized solution to meet with your exact needs
- ❖ Reduce civil works on-site
- ❖ Improved safety on-site

Kiosk Solutions



Features

EPE's range of Kiosk Substations are factory built designed for MV / LV distribution applications. Engineered to customers requirements, we can tailor your kiosk to a range of installation requirements that saves you time at installation, safety and reliability.

Components

- ❖ Operating voltages of 1kV, 6.6kV, 11kV, 22kV and 33kV
- ❖ Transformer rated from 200kVA to 3000kVA
- ❖ Bundled solution with either a concrete or Galvanised steel base
- ❖ Powder Coated Aluminium, Steel or S/S rated for IP 53 applications
- ❖ Options can include
 - ✓ HV Switch Gear
 - ✓ LV Switch Board
 - ✓ Cyclone Rated
 - ✓ Remote control, monitoring and telemetry
 - ✓ HV and LV Adaptors

Benefits

- ❖ A complete customized solution to meet with your exact needs
- ❖ Dependability in operation and safety
- ❖ Low overall cost with, ease of transportation and quick to install

Critical Power Solutions

EPE are experts in supplying large and small critical power solutions. Our trained staff will provide you with a comprehensive and cost-effective solution for your needs for industrial applications

- ❖ 1-3 Phase UPS up to 500kVA
 - ✓ Rack Mounting
 - ✓ Bypass Switches
 - ✓ Automatic Transfer Switches
 - ✓ Modular Options
 - ✓ Network Cards
 - ✓ Batteries
- ❖ Power condition -providing exceptional system reliability through ultimate power protection against sags, surges, swells, spikes and electrical noise. The power conditioners correct voltage sags while maintaining uptime and productivity. They offer superior protection against damaging electrical disturbances.
- ❖ DC power supply



Services



Site Service

EPE partner with you to support your complete operations onsite. Whether you require yearly maintenance work, asset assessments or in site repair work, our highly qualified staff have all the appropriate certifications to attend site and support you when you need your plant back up and running promptly.



Modifications

Our wide range of modification services and experience ensures we can meet any design needs. We can manufacture new cable boxes, upgrading a transformer cooling system or customize coils and cores. We have the expertise inhouse and equipment needed .



Overhaul

Starting with a full inspection from a highly qualified technician, Our reconditioning services thoroughly inspects, strips, cleans and replace components, to extend the life of your transformer.



Testing

Testing your HV equipment is critical to the reliability of your equipment. Thanks to highly experienced professionals using a dedicated test bay and specialist test equipment we can undertake electrical and insulation testing supported with detailed reports to ensure you equipment is functioning reliability and safely.



Repairs

The failure of your transformer may be caused by electrical failure, corrosion or due to poor handling procedures. With a comprehensive fabrication facility in our workshop, our skilled tradespeople can correct almost all issues you will encounter



Spares

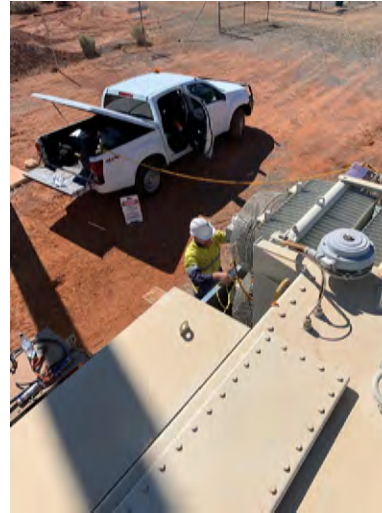
When you need quality spare parts and consumables. EPE can supply loose parts and sub assemblies for all of your maintenance needs. We have access or stock of components including instrumentation, insulators, cable boots, oil, tap changers etc.

Services



Site Service

EPE partner with you to support your complete operations onsite. Whether you require yearly maintenance work, asset assessments or in site repair work, our highly qualified staff have all the appropriate certifications to attend site and support you when you need your plant back up and running promptly.



Services



Modifications

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Services

Overhaul and Repairs



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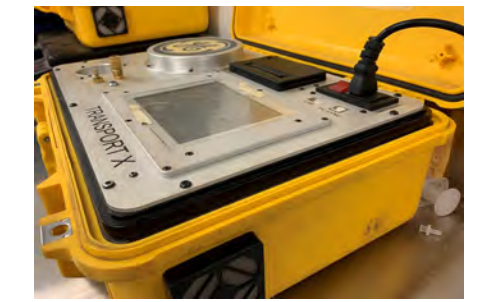


Services



Electrical and Insulation Testing Services

- ❖ Turns Ratio (TTR)
- ❖ Verification of vector group (Phase Displacement)
- ❖ Insulation Resistance (IR)
- ❖ Winding Resistance (WR)
- ❖ Separate Source Withstand (High Pot)
- ❖ Induced Withstand Overvoltage (IVW)
- ❖ Excitation Current Test - No Load Loss (EC)
- ❖ Tan Delta (DLA)
- ❖ Sound Levels
- ❖ Heat Rise
- ❖ Partial Discharge (PD)
- ❖ Short Circuit Impedance
- ❖ Pressurised Leak Testing
- ❖ Sweep Frequency Analysis (SFRA)
- ❖ Dissolved Gas Analysis
- ❖ Transformer Soaking
- ❖ Efficiency Test
- ❖ Instrumentation Testing
- ❖ Current Transformer Ratio and Polarity Testing.



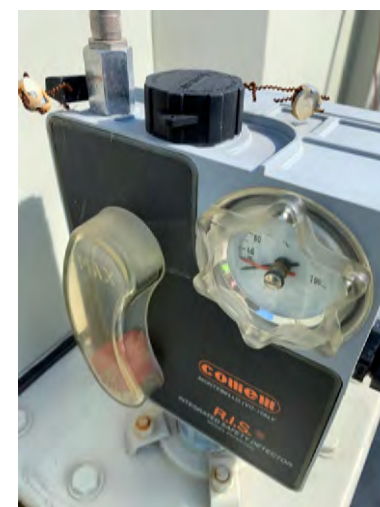


Spares

When you need quality spare parts and consumables. EPE can supply loose parts and sub assemblies for all of your maintenance needs.

We stock of variety of components including

- ❖ Winding Temperature Gauges
- ❖ Oil Temperature Gauges
- ❖ Oil Level Indication
- ❖ RIS
- ❖ Buckhols Relays
- ❖ Cable Boots
- ❖ Mineral Oils
- ❖ Middel Oils
- ❖ Tap Changers
- ❖ Radiators
- ❖ Silica Gel
- ❖ Breather



Projects

Special Designs



Extensive Range



Skid Options



Customer

Our hire fleet comes in a wide range of power and voltage levels to support most application providing our customers with consistent, reliable performance and quality across Australia. Our fleet are fully maintained providing confidence that you will have the shortest amount of downtime on site and backed up with our repair services, EPE can provide you with all your site requirements.

Requirement

- ❖ Voltage range up to 36,000V
- ❖ Power range up to 3500KVA
- ❖ Step down / Up
- ❖ Skid / Kiosk solutions

Solution

- ❖ Immediate delivery
- ❖ Short or long term hire options
- ❖ Minimal plant downtime

Cable Haul Hire

EPE have all your cable hauling needs covered, from ropes, accessories, crimpers, stands, rollers, winches and much more. Available the same day you know you can get your hauling job done with EPE, extensive range of equipment.



Cable Haul Hire

1



Cable Crimping
Tools

2



Cutting Tools

3



Cable Drum
Stands

4



Accessories
Tools

5

START

Hauling
Accessories

6



Rope for
Hauling

7



Trench Rollers
and Conduit
Guides

8



Winches

9



Trailer
Mounted
Winches

10



Cable Pushers

Cable **Haul** Hire



Instant Availability

Rental equipment can provide lead time bridging. In many cases, rental is available within 24 hours notice, avoiding the need to wait weeks for new equipment to arrive.



No Hidden Cost

All equipment including general maintenance, support & administration are supplied by EPE & included in the cost of the rental agreement. This ensures additional costs are kept to a minimum, allowing companies to evaluate the total cost.



No Capital or Investment

Rental enables businesses to meet peaks & troughs in the business environments. In different times & seasonal lows, businesses can return equipment without having committed to capital investment.



Tax Incentives

Rental payments have tax deductible benefits in the year they are made. (We are not tax advisors so please check with your own advisor about the savings you will achieve)



Smooth Cash Flow

Pay as you go rental allows business to pay for equipment as they use it, allowing cost to be easily monitored.



Peak Demand

Equipment can sometimes sit idle when not in use at the workshop, whereas rental equipment can be used then returned, eliminating depreciation of equipment which is only being used for short term needs

Whatever your Cable Hauling tools and/or equipment needs
WE CAN HELP!

1 Cable Crimping Tools

- ❖ Battery Crimpers
- ❖ Crimper Heads
- ❖ Assorted Dies
- ❖ Hand Crimpers
- ❖ Enerpac Battery Pump



2 Cutting Tools

- ❖ Battery Cutters
- ❖ Cutter Heads
- ❖ Assorted Dies
- ❖ Enerpac Battery Pump



3 Cable Drum Stands

- ❖ A Frame 5-12T
- ❖ 2 Piece 1T Tripod
- ❖ 2 Piece Scissor Lift 2-3T
- ❖ Ladder Lift 2-6T
- ❖ 2 Piece 10T
- ❖ Trailers



4 Accessories Tools

- ❖ Anchor Pins
- ❖ Blow Cones
- ❖ Cleaning Pigs
- ❖ Two Way Radios
- ❖ Shackles
- ❖ Socks
- ❖ Swivels



4 Accessories Tools

- ❖ Shackles
- ❖ Socks
- ❖ Swivels
- ❖ Spoolers
- ❖ Floor Ramp Rollers
- ❖ Pit Rollers
- ❖ Lifting Clutches
- ❖ Skates
- ❖ Rollers
- ❖ Sheaves
- ❖ Stinging Rollers



6 Rope for Hauling

- ❖ Nylon Double Braid
- ❖ Pelican Double Braid
- ❖ Plasma 18mm Rope
- ❖ Plasma 12mm Rope
- ❖ Dyneema Rope



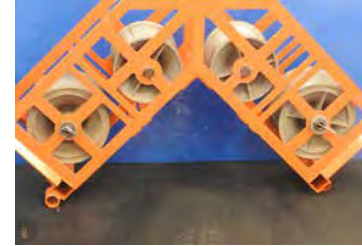
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- ❖ Dyneema Rope



7 Trench Rollers & Conduit Guides

- ❖ Bell Mouths
- ❖ Conduit Slippers
- ❖ Cable Tray Rollers
- ❖ Corner Rollers
- ❖ Curve Rollers
- ❖ Dogbone Rollers
- ❖ Flat Tray Rollers
- ❖ Hook Rollers
- ❖ Flexi Feed Guide
- ❖ Tray Rollers
- ❖ Manhole Roller Guides
- ❖ Pit Rollers
- ❖ PU Rollers
- ❖ Split Duct With Roller
- ❖ Standard Roller
- ❖ Cable Conduit Pipe Trailer



8 Winches

- ❖ 4HP (500kg) & 9HP (1T) Winch
- ❖ Fibre Optic Winch Trailer
- ❖ Greenlee Pull System
- ❖ Greenlee Winch
- ❖ Pacific Winch



9 Winch Trailers

- ❖ 2T Trailer Mounted Winch
- ❖ 3T Winch Trailers
- ❖ 3.5T Winch Trailer
- ❖ 8T Winch Trailer



10 Cable Pusher

It is a effective and cost efficient way to push single cables into conduit's.

Without the use of a winch or a large labour component the wombat only requires two people To install cable saving time and setup delays no need for a draw string then rope and sock to pull Cable Just position wombat and install .



QUESTIONS

 **+61 8 9493 3077**

 **info@epe.com.au**

 **27-29 Mandarin Road**
Maddington WA 6109

 **www.epe.com.au**