

ELECTRICAL POWER SOLUTION

POWER GENERATION, TRANSMISSION & DISTRIBUTION



DESIGNER • MANUFACTURER • DISTRIBUTOR

www.buloxpower.com
STRONG & RELIABLE

COMPANY PROFILE

Bulox Power Pte Ltd (Bulox Power), formerly known as Koncar Far East Pte Ltd - is one of the most established and largest electrical power solution providers partnering with a wide network of local and international OEM partners adopting leading-edge technologies for its products and services in the industry. It has long years of experience in designing, manufacturing and distributing extensive range of electrical power distribution products in the region.



Official JVA signing with the Koncar Group in Zagreb-Croatia, 1994

Bulox Power has earned a strong reputation for providing its customers with innovative solutions to meet their electrical power requirements. Its in-house design capabilities coupled with modern manufacturing/assembly facilities and continuous emphasis on Quality and Services enables Bulox Power to meet most of its clients' needs - in a most practical, efficient and reliable way. The Company now has a very young and dynamic management team with most of the key appointment holders having multi-discipline qualifications and experiences with a "Can-Do" attitude.

A wholly-owned subsidiary of **Bulox Corporation**, Bulox Power offers a broad range of electrical equipment and solution for the Electrical Power Generation, Transmission and Distribution industry. The market for Bulox Power products include:

- **Office & Commercial Buildings**
- **Integrated Resorts/Hotels**
- **Telecommunications/Data Centres**
- **Schools & Institutions**
- **Marine & Offshore**
- **Industrial Plants**
- **Rail & Track**
- **Military & Aerospace**



Bulox Power predecessor - Koncar Far East Pte Ltd



Bulox Corporation Office - Singapore

OUR MISSION

To exceed customer satisfaction by providing the most innovative and effective solution through leadership, simplicity, quality products & services and timely delivery for the business we choose to be in.

OUR VISION

To be a leader in system design, assembly and integration of medium and low voltage electrical equipment for the power generation, transmission and distribution industry in this region.

OEM PARTNERSHIP AND ITS BENEFITS

While **Bulox Power** has its own factories and workshops, it will continue to source and partner with qualified **OEM factories** to carry out its production. Bulox Power believes that this is the best and most efficient way to provide good, quality and cost effective products and prompt services to its clients as it is not constraint by any single factory. The benefits of such OEM partnership include: More Flexibility, Faster Response, Faster Delivery and probably More Cost Effective as we have a wide range of OEM factories to choose from. The product quality are similar as each OEM Factory has to pass through a very stringent Engineering Check and Quality Audit before they can be selected by Bulox QC Department. Bulox Power takes full responsibilities on all Warranties on behalf of its OEM factories to its clients.

The success of such OEM partnership has also lead **Siemens-Germany** to officially appoint **Bulox Power to be its OEM partner** to design and manufacture their latest range of NX-Plus-C Gas-Insulated Switchgears in Singapore.

Bulox Power is also pleased to announce that it has recently entered into a Joint-Venture Agreement with a local Public-Listed Company and a well-established Myanmar Trading Company to set up a new Factory to design and manufacture Power and Distribution Transformers for the emerging Myanmar and other overseas markets.

SERVICE EXCELLENCE

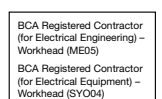
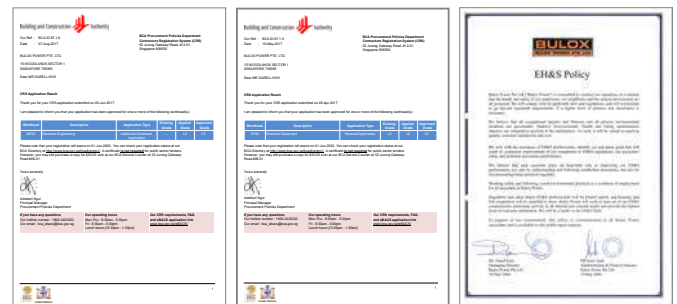
Bulox Power also recognises the importance of services to its clients, without which, all good products means nothing. It is through the combination of good products and services that truly sets the Company apart from its competition. **Bulox Power** strongly believes that all its employee must be trained well, communicates well, have the right attitude, and provides excellent services to all its clients – regardless of whether they are customers or suppliers in order to achieve a long lasting partnership.



Official signing of Bulox Transformers Factory JVA in Myanmar

QUALITY ASSURANCE

At **Bulox Power**, we strive to achieve the highest guarantee on Quality by adopting and implementing all the relevant International Quality Standards and best practices available in the industry.



COMPANY PROFILE

OUR CULTURE

At **Bulox Power**, we strive to create values and passion in whatever we do, for without it, we will fall into mediocrities. All our Customers, Vendors, Suppliers, Employees and Stakeholders are the basic building blocks and ecosystem of our existence. We shall always strive our utmost best to preserve the harmony and balance the interests of all parties by fulfilling the “trust” placed upon us.



ENVIRONMENT, HEALTH & SAFETY POLICY

Bulox Power constantly promotes awareness and ensures full compliance with statutory requirement on Environment, Health and Safety. We are committed to creating a safe and healthy working environment for our personnel and using environment-friendly, energy efficient as well as recyclable materials to help sustain our environment.



OUR BUSINESS

The following are some of our main Products & Services :

Our Products

- Power & Distribution Transformers
- HV & LV Switchgears
- LV Busbar System
- Packaged Substations
- Containerized Equipment Room
- Temporary Power Supply
- Other Electrical Packaged System

Our Services

- Design & Engineering Services
- Turnkey & Project Management
- Installation, Testing & Commissioning
- Maintenance Contract
- Aftersales Services



Bulox Power started out as a Distributor of Power & Distribution Transformers in Singapore and has since supplied and installed many Transformers in the region. Bulox Power also collaborated with many key OEM Partners to design and manufacture Bulox Transformers on its behalf. The success of such OEM partnership coupled with vast knowledge and experiences, gained from many years of helping our clients to choose and opt for the best type of transformers for their application, has lead Bulox Power to be selected as their preferred partner for many local and overseas projects.

The type of Transformers which Bulox Power is involved in are:

- Mineral-Oil Transformers
- FR-3/ Silicon Oil Transformers
- Dry-Cast Resin Transformers
- Dry Type Transformers

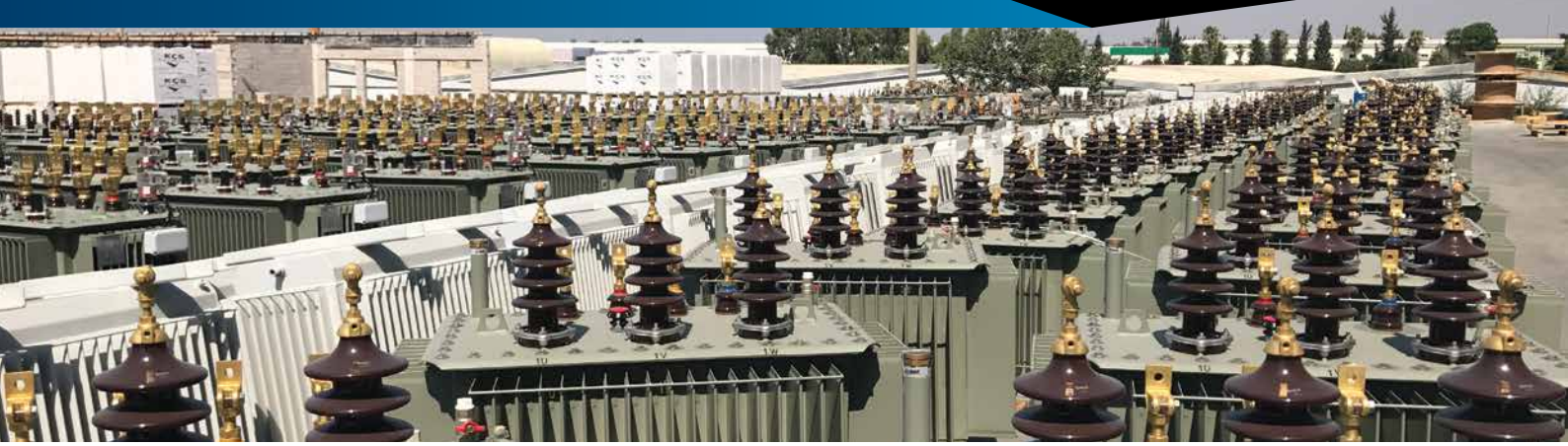
STANDARD COMPLIANCE

The Transformers are generally designed and manufactured in accordance to the Internationally accepted Standards : **IEC 60076 & BS 171** or others, such as **ANSI C57, JIS VDE 0532, DIN 4290**, etc. – if required.

TYPE-TESTING

Sample Type Test Reports of standard production range for both Power & Distribution Transformers, or its major components, are generally available. These type-testing are normally carried out in-house witnessed by Independent Certification Bodies or by 3rd party testing Laboratories such as **KEMA** or **CESI**, etc. If needed, additional Type-Testing can also be arranged and carried out at additional costs.

POWER & DISTRIBUTION TRANSFORMERS



POWER TRANSFORMERS

Capacity Range: 20 Mva ~ 250 Mva @ Maximum Voltage level 245 kV

Bulox Power Transformers are typically designed and manufactured based on both Indoor or Outdoor Mineral-Oil type with On-Load Tap-Changer, Automatic Voltage Control, and accompanying Neutral Ground Resistors to limit the Fault current as a complete package.



DISTRIBUTION TRANSFORMERS

OIL-IMMERSED TRANSFORMERS

Capacity Range: 50 Kva ~ 25 Mva @ Maximum Voltage level 72 kV

Bulox Oil-Immersed Distribution Transformers are typically designed and manufactured in either Mineral Oil, Silicon Oil or other environment-friendly cooling medium such as Esther Oil or FR-3 Oil.



DRY CAST RESIN TRANSFORMERS

Capacity Range: 50 Kva ~ 15 Mva @ Maximum Voltage level 36 kV

Bulox, with its OEM Factories, produces and supplies one of the widest range of Dry Cast Resin Transformers in the region. These transformers are typically used in many installations such as Modern Building, Traction Power and Critical Installation Facilities - Data Centre, Banking & Hospital as well as Marine, Oil & Gas Industry. Such Dry Cast Resin Transformers are manufactured with high quality materials and conforms to Environmental, Climatic and Fire-Rated (E2, C2, F1) requirements.

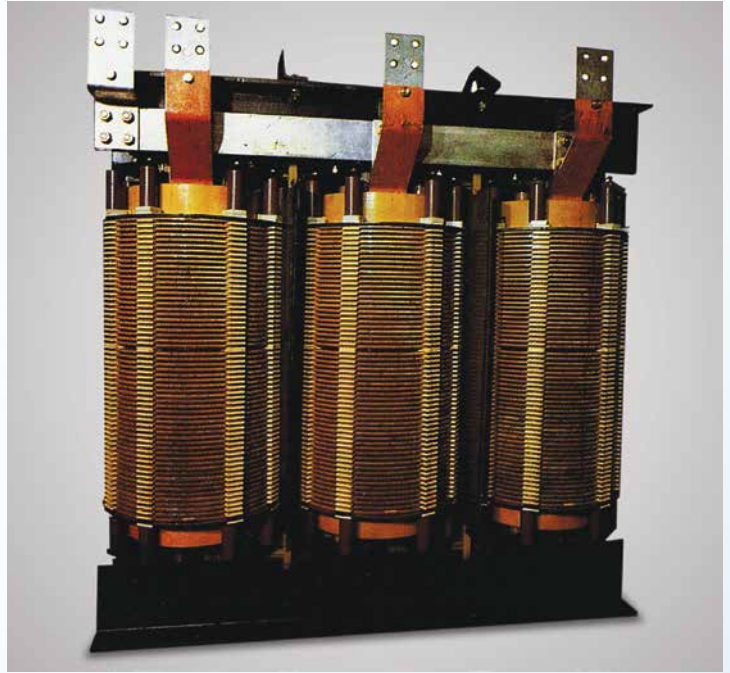


DRY-TYPE TRANSFORMERS

(Varnish Impregnated)

Capacity Range: 10 Kva – 2000 Kva @ Maximum Voltage Level 7.2 kV

Bulox Dry Type Transformers are typically designed and manufactured for LV application. The make are normally of high quality Class H insulation materials with full impregnation through the VPI process.



SPECIAL TRANSFORMERS

Oil-Immersed, Cast-Resin or Dry Type – Customized

Bulox Power can also design other type of Customized Transformers that meet its customer requirements. Some of these Transformers include:

- Rectifier Transformers
- Arc Furnace Transformers
- Exproof Transformers
- Underground TBM Transformers



Bulox Power Pte Ltd has been in collaboration with Siemens-Germany to distribute its range of HV and MV Switchgears. It is also the official Distributor and OEM Partner of Siemens to design and manufacture their latest range of GIS Switchgears in Singapore. These Switchgears are designed to be Compact, Modular, Very Safe and Easy to Install – without the need for doing critical alignment and performing Vacuum and Gas-Work at site.

STANDARD COMPLIANCE

Most of these MV Switchgears are designed and manufactured in accordance to the Internationally accepted Standards such as **IEC, VDE, EN or SS** and certified/approved by the following International Classification Bodies such as: **Lloyd's Register, ABS, DNV, BV**, etc.



TYPE-TESTING

The Siemens-designed Switchgears are also Type-Tested by Internationally accepted 3rd party Testing Laboratories such as **KEMA, CESI**, etc.

QUALITY ASSURANCE

Bulox Switchgears are subjected to a very strict and stringent Quality Control. Each panel are also subjected to full Factory Routine Test with detailed Test Reports provided.



High Voltage Switchgear Testing Facility



Switchgear Assembly Facility



Official Opening of Bulox MV Switchgear Factory



HIGH/MEDIUM VOLTAGE SWITCHGEARS

HV GAS-INSULATED SWITCHGEARS (GIS)

Maximum Voltage Level: 245 kV



MV GAS-INSULATED SWITCHGEARS (GIS)

Maximum Voltage Level: 36 kV



MV GAS-INSULATED SWITCHGEARS (GIS)

Maximum Voltage Level: 24 kV



MV AIR-INSULATED SWITCHGEARS (AIS)

Maximum Voltage Level: 24 kV



RING MAIN UNITS (RMUs)

Maximum Voltage Level: 24 kV



HIGH/MEDIUM VOLTAGE SWITCHGEARS

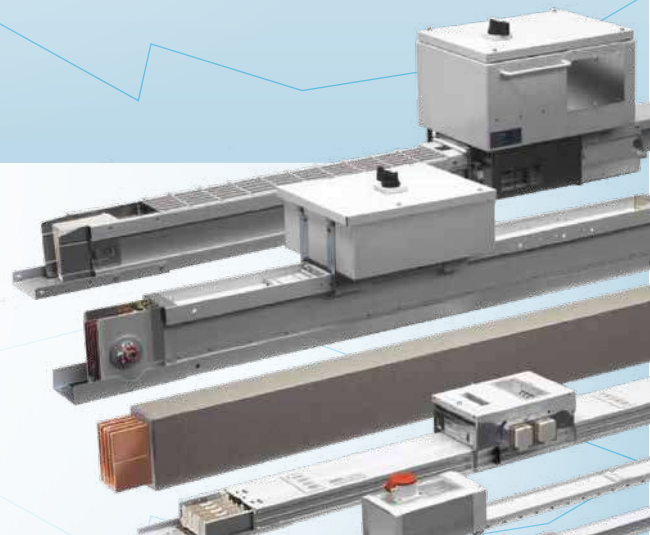
LV SWITCHGEARS

Bulox Power designs, supplies and installs a wide range of LV Main Switchboards, Main Sub-Boards as well as Motor Control Centres (MCC) in collaboration with selected OEM factories. These LV Switchboards are generally designed and manufactured in accordance to Internationally accepted Standards such as IEC or VDE, etc and are subjected to strict quality test by Bulox QC Dept.



LV BUSDUCT SYSTEM

Bulox Power utilizes High Quality LV BusDuct System to integrate most of its Transformers to its LV Main Switchboards for its projects, where required. Most of these LV BusDucts are sourced from reputable manufacturers such as Siemens & others.





Bulox Power Outdoor Packaged Substation Units serve as a convenient, safe and fast way to set up a new network for the transformation and distribution of electrical power energy either on land or offshore. Bulox Power has an extensive track record in designing and packaging such substations to suit customers' requirement. Bulox Power provides standard and customised packaged substations for its clients. Most of these packaged substations are ergonomically and compactly-designed, and are manufactured with the highest Quality and Safety standards.

Features

- Compact HV GIS Ring Main Unit
- Low Voltage (LV) Switchgear
- HV/LV Transformer: liquid-filled and dry-type
- Enclosure Protection: Indoor or Outdoor type
- Customised to meet any stringent requirements

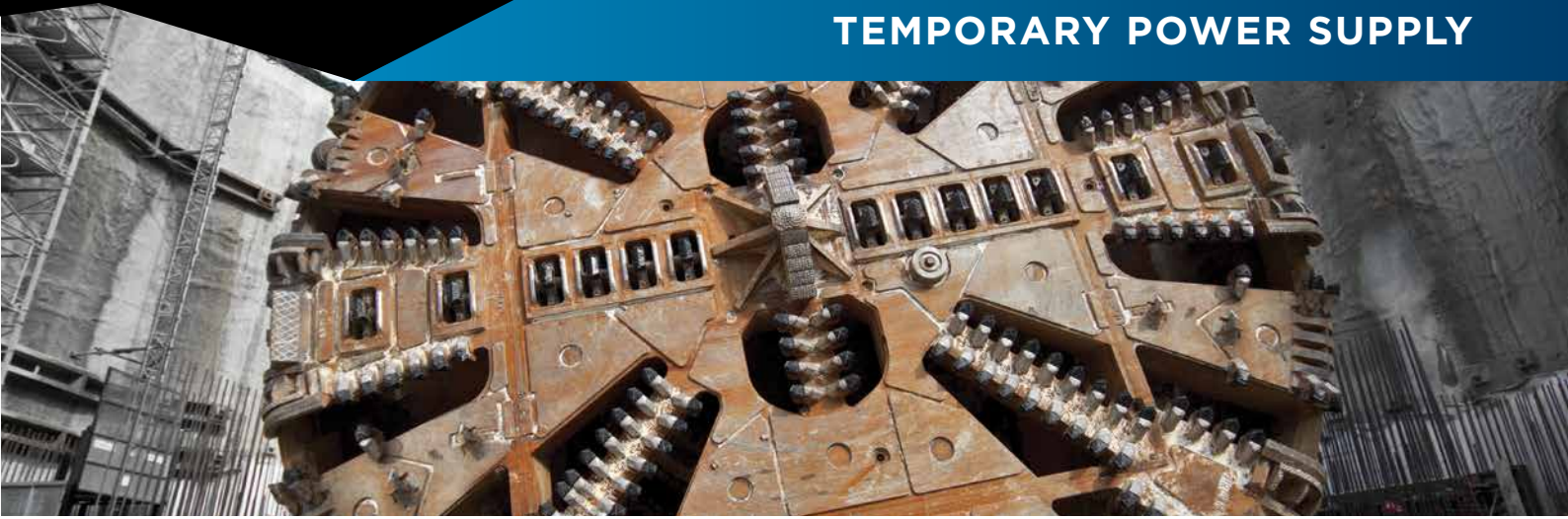


CONTAINERISED EQUIPMENT ROOM



Bulox Power is able to design and package customised **Container Equipment Rooms** or **E-Houses** – either for On-Shore or Off-Shore harsh environment condition to meets its clients' specific requirements. These Containerized Equipment Room (CER) and E-Houses are designed to meet Internationally accepted Standards and conforms to Fire Rated classes such as B15, A60, etc.





Bulox Power is one of the leading authority for the Design, Supply and Integration of Electrical Power Supply for Tunnel Boring Machine (TBM) projects and/or other Temporary Power Supply requirements. The Turnkey Equipment Projects are either designed for **Sales or Temporary Lease Term – with Buy-Back Cost Rental**.

The strong engineering capability of Bulox Power has placed the company in the forefront for its long list of innovative projects successfully provided to satisfied clients in the region.



OTHER TURNKEY PROJECTS

At the request of its clients, Bulox Power also undertook selected projects based on a “Turnkey” basis. The following are some of the major projects which Bulox Power has supported its Clients on a “Turnkey” basis:

RESORTS WORLD SENTOSA (RWS)

Supplied, delivered, installed, tested & commissioned all the Power & Distribution Transformers for the entire Integrated Resort.



MARINA BAY SANDS (MBS)

Designed and Supplied all the Temporary Power Supply Substations during the construction phase.



OASIA HOTEL

Supplied, delivered, installed, tested & commissioned all the MV Switchgears + Distribution Transformers for the entire project.



ITE WEST COLLEGE

Supplied, delivered, installed, tested & commissioned all the MV Switchgears + Distribution Transformers for the entire school/institution.



THE CONCOURSE

Replacement of all MV Switchgears for the whole project.



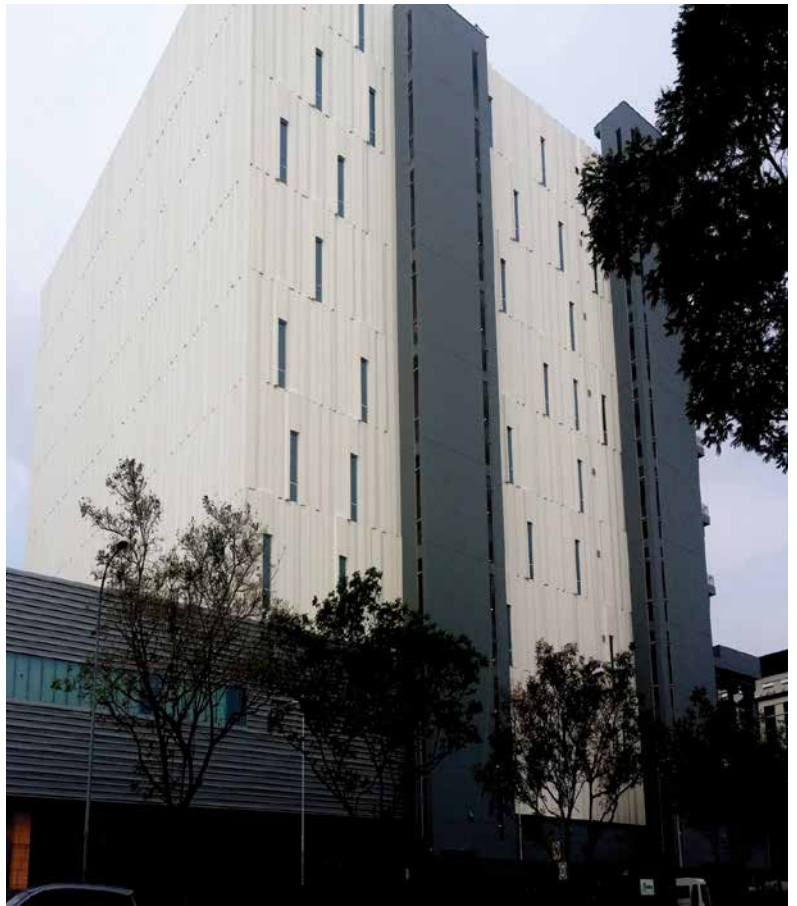
UIC BUILDING REDEVELOPMENT

Supplied, delivered, installed, T&C all the MV Switchgears + Distribution Transformers for the entire project.



MICROSOFT DATA CENTRE (PHASE I & II)

Designed, supplied & installed more than 154-Units Dry Cast Resin Transformers.



OTHER TURNKEY PROJECTS

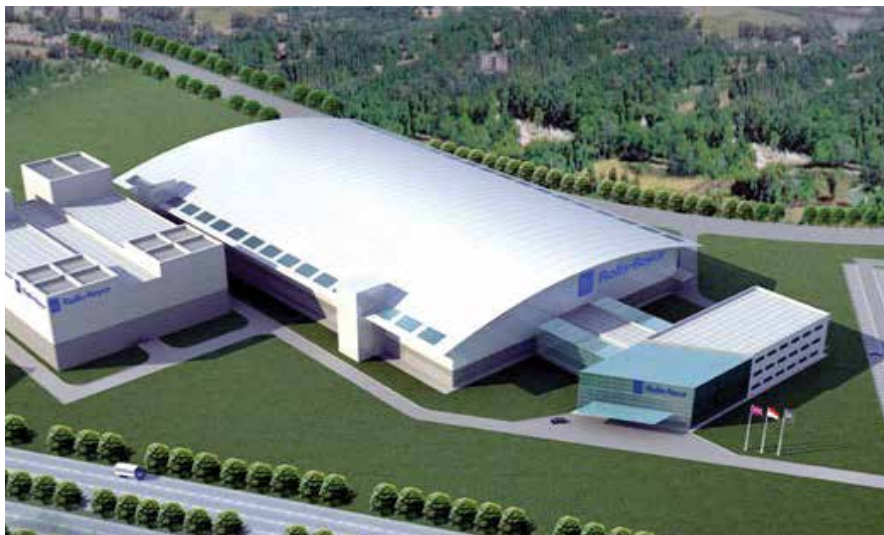
CHANGI NEW WATER PLANT

Successfully supplied, installed, tested & commissioned all the MV Switchgears + Power Transformers & Distribution Transformers with our partner - Siemens Singapore.



ROLLS ROYCE AEROSPACE SELETAR

Supplied, delivered, installed, tested & commissioned all the MV Switchgears, Distribution Transformers + LV Main Switchboards for the entire project with our local partner.



SHOWA DENKO - HDD PLANT

Successfully supplied & installed more than 14 unit of Dry Cast Resin transformers.



TUAS DESALINATION PLANT

Successfully supplied, installed tested & commissioned all the HV & MV Switchgears + Power Transformers for the Singapore PUB project with our partner - Siemens Singapore.



TOSHIBA-MATSUHITA LCD PLANT

Supplied, delivered, installed, tested & commissioned all the MV Switchgears + Distribution Transformers for the entire project with our partners.



SINGAPORE JOHORE RIVER WATER WORKS

Supplied & installed 6.6 kV Main Intake + Other Switchgears.



KEPPEL SHIPYARD

Successfully upgraded and replaced all HV and LV Equipment for the Main Substation as well as more than 12-Substations – including Design and Construction of a new Rotary Frequency Converter Plant with Equipment.



BRUNEI SHELL PETROLEUM

Successfully designed, supplied & installed numerous Main and Compact Substations for Offshore Production Platforms.



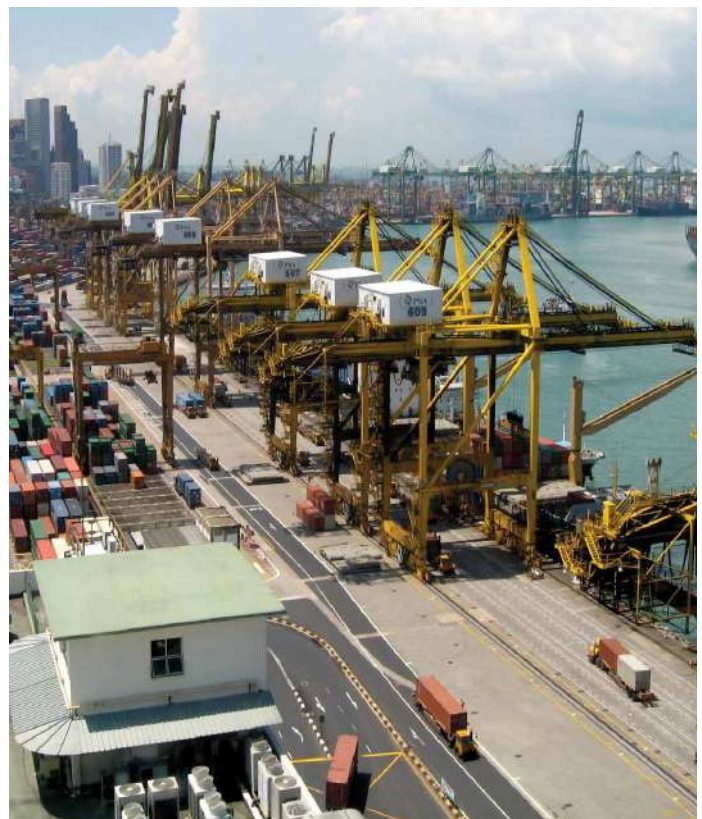
CONOCO-PHILLIPS

Successfully designed, supplied and installed all the MV and LV Equipment for their FSO Conversion project – Belanak LPG.



PORT OF SINGAPORE AUTHORITY

Successfully designed, supplied and installed numerous Outdoor Compact Substations Units for Reefer Yards.



OTHER TURNKEY PROJECTS

TUAS WEST EXTENSION PROJECT - S'PORE LTA

Bulox Power was involved in the supply & installation of all the MV Switchgears for the above project – including leasing of Mobile Substations for replacements works for 13-Permanent Traction Power Substations.



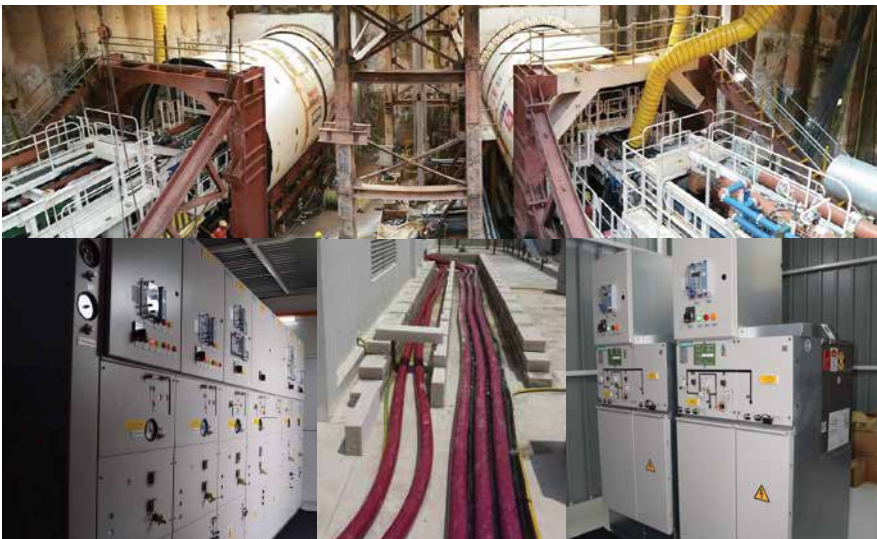
BUKIT PANJANG LRT PROJECT

Supplied, installed T&C all the Station Service Transformers for the first LRT project in S'pore.



THOMSON EAST COAST LINE PROJECT

Leading suppliers for all TBM Temporary Substations (14+3=17 Substations)



KEPPEL - EAST COAST EXPRESSWAY (KPE)

Supplied & installed all the LV Power Transformers.



PALM JUMEIRAH MONORAIL PROJECT

Successfully designed, supplied & installed all the DC Isolations Switchgears.



SENTOSA EXPRESS MONORAIL PROJECT

Successfully designed, supplied & installed all the DC Isolations Switchgears.



MALE INTERNATIONAL AIRPORT (MALDIVES)

Successfully designed, supplied & installed Airport Powerplant & Substation Equipment.



CHANGI AIRPORT - CONTROL TOWER

Supplied & installed Special Transformers for Communication Equipment.



STAMP OF APPROVAL



SOME OF OUR MAJOR PROJECTS BY INDUSTRY

INTEGRATED RESORTS + CONDOMINIUM

Resort World's Sentosa (RWS)
Marina Bay Sands (MBS)
Leedon Height Condominium
Oasia Hotel
East Village Hotel

MILITARY + AEROSPACE

S'pore Aviation Academy
DSTA - Changi Naval Base
Male International Airport
Changi Airport – Control Tower
S'pore Armed Forces Firing Range
S'pore Aerospace

OFFICE + COMMERCIAL BUILDINGS

UIC Building Redevelopment
The Concourse
Hewlett Packard HQ
Comfort Delgro Building
Lot-1 Shopping Centre
Hougang Mall
Tiong Bahru Plaza
OCBC Bank Building
Kranji Race Course
Shaw Centre
Balestier Complex
Tekka Mall
Park Mall Complex
Bedok Food City

WATER WORKS + INDUSTRIAL PLANTS

S'Pore PUB Johor River Water Works
S'Pore PUB Chua Chu Kang Water Works
S'pore PUB – C22B Project
S'pore PUB – Tuas Desalination Plant
S'pore PUB – Changi NeWater Plant
S'pore PUB – Poole Pumping Station
Rolls Royce Aerospace – Selatar New Plant
Toshiba-Matsushita - LCD Plant
Showa-Denko – HDD Plant
Keppel Seghers – Qatar WWTP Projects

DATA CENTRE + INSTITUTIONS

Microsoft Data Centre Phase 1 & 2
ITE West College
Woodland Regional Library
Changi Prison (Girl's Complex)
Keppel DigiHub Building
Telecom Centre III
IBM Data Centre
S'pore Polytechnic
DataOne Asia
StarHub Cable Vision
S'pore Police Force
M2 Telecom Building
S'pore Telecom TelePark
Sentosa Earth Station
S'pore Science Park 2
Chase Manhattan Bank
Media Corp (TCS)
ST Telemedia
MCI Worldcom
GlobalOne Asia
Tan Tock Seng Hospital

MARINE + OFFSHORE

Tuas Port Terminals – Temporary Substations
Keppel Shipyard – Main Intake + Other Substations
Keppel Shipyard – FC Plant + Other Equipment
Keppel FELs – Pertobras Offshore Project
National Oilwell Varco – S'pore Test Plant
ConocoPhillips – Indonesia FSO Project
Brunei Shell Petroleum – Packaged Substations
Port of S'pore Authority – Reefer Substations
MODEC – E-House Project
Shell Refinery – Transformers Replacements
Exxon Mobil Refinery – Transformer Replacements
McDermott – Offshore Projects
Exxon Mobil – CRISP Projects

RAILS & TRACKS

S'pore LTA - Tuas West Extension
Thomson-East Coast Line – TBM Projects (3 Substations)
Thomson MRT Line – TBM Projects (14 Substations)
Keppel – East Coast Expressway (KPE)
Bukit Panjang LRT Project
Circle Line C852 – TBM Project
DownTown Line, C912, C902 - TBM Project
Sentosa Express Monorail Project
Palm Jumeirah Monorail Project – Dubai

SOME OF OUR SATISFIED CLIENTS



and more...

BULOX CORPORATION



BULOX POWER PTE LTD
'Electrical Power Solution'
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sales@buloxpower.com



CyclSystem
Process & Cleaning Technology
a Bulox Corporation company

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BULOX EQUIPMENT PTE LTD
'Railway Depot Equipment'
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