



Introduction

Established since 1969, **Spanners International Pte Ltd** has been in the business of engineering & manufacturing works.

In the span of 3 decades, we invested substantially in our R&D programmes in order to employ the latest technologies to meet the demanding electrical industry in the ASEAN region.

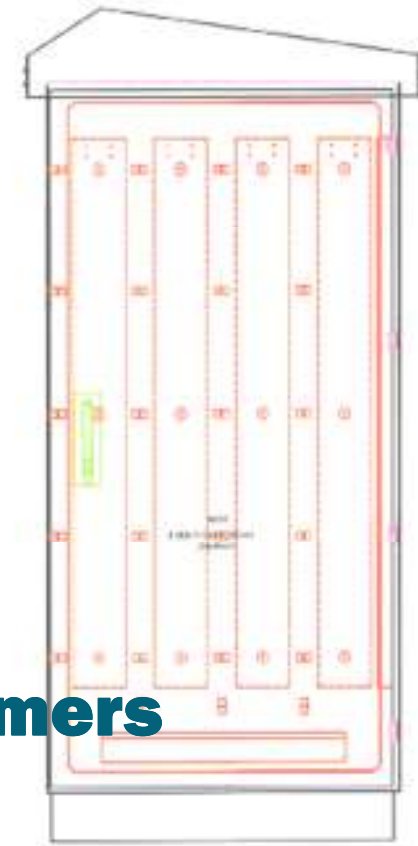
To date, we strive to maintain our market share in Singapore, while gaining grounds in the Asia-Pacific region.





Our Company Policy

**We endeavour to provide :
Sincere and
Professional
Advice
Never
Neglecting our
Engineering
Reliability in our
Solutions for all our customers**





Our Mission Statement

Seeking
Perfection
Achieving
iNNovations
Exercising
Reliable
Solutions



SPANNERS



800A Main Switchboard



4000A Main Switchboard



1600A 2 Incomer Main Switchboard



Our History

1969

Yeo Kee Huat Aluminium and Hardware Factory was founded as a sole-proprietorship firm. Our key industry was in the manufacture of aluminium products.



1970s

After diversifying into ship repairs and mechanical engineering works, the Company was incorporated as **Yeo Kee Huat Aluminium and Hardware Pte Ltd.**



Our History

1980s

The Company started to focus on the manufacturing of electrical enclosures for the then Public Utilities Board (PUB) of Singapore and we were conferred as **PUB's main supplier of Over-Ground Distribution Boxes and Sub-station Low Voltage Switchboards.**





Our History

1995

Having ventured into the manufacture and supply of electrical switchboards and feeder pillars to the regional markets, the Company establishes its commitment towards quality works by achieving the **coveted ISO 9002 certification from SGS Yarsley.**

1996

In conjunction with the official award of the ISO 9002 Certification and to reflect the Company's zeal towards globalisation, the Company changed its name to

Spanners International Pte Ltd.



Our History

1998

In our endeavour to service our clients better, the Company invested S\$6 million in the development of our own building at Changi North. The building has a total floor area of 4,700 sq meters.

This effectively enables us to conduct all our businesses under-one-roof, thereby enhancing our efficiency and quality control.





Our History

1999

On 22nd January 1999, Spanners International Private Limited relocated to our new premises -



**No 6, Changi North Street 1
Spanners Building
Singapore 498825**



Our History

In the past decade, the Company has maintained our stronghold in the industry, while treading new grounds in the region.

As we gain international recognition, we seek to continually explore new opportunities.





Our Achievements & Awards



Singapore Prestige Brand Awards 2012
Established Brand



Our Achievements & Awards



Singapore SME 1000 Company Awards 2012



Our Achievements & Awards



**Quality Management Systems
ISO 9001:2008**



Our Achievements & Awards



**Occupational Health & Safety Management Systems OHSAS
18001:2007**



Our Achievements & Awards



bizSAFE Level Star

For details on test certificates, please refer to Annex.



Our Achievements & Awards

Certificate No. 1118SU

ASTA CERTIFICATION SERVICES
(Incorporated in the year 1998) ASTA House, Chestnut Field, Rugby, CV21 2TL, England
Laboratory Ref. No. 131105AC

CERTIFICATE OF TYPE TESTS

APPARATUS: 4000 A, 415 V (500 V/6 kV (3U/1U/Un)) three-phase and neutral horizontal and vertical busbars, one incoming unit, one bus-coupler unit and six outgoing units and the protective circuit of a switchgear and controlgear assembly.

DESIGNATION: 4000 A Main Switchboard, SP 31

MANUFACTURER: Spencers International Pty Ltd
8 Chang North Street 1
Spencers Building
Singapore 489523

TESTED BY: Testing & Certification Australia
18 Mars Road, Lane Cove, NSW 2086, Australia

DATE(S) OF TESTS: 28 May to 9 June and 4 August 2000

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in this certificate has been subjected to the series of proving tests in accordance with IEC Publication 60439-1: 1998, BS EN 60439-1: 1998 Clause 8.2.1, 8.2.2, 8.2.3, 8.2.4, 8.2.5, 8.2.6, and 8.2.7.

The results are shown in the record of Proving Tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above Standard(s) and to justify the ratings assigned by the manufacturer as stated below.

For ratings assigned by the manufacturer and proved by the tests see page 1.

The record of Proving Tests applies only to the apparatus tested. The responsibility for conformity of any apparatus having the same designations with that tested rests with the Manufacturer.

This Certificate comprises 47 pages, 2 diagrams, 18 oscillograms, 33 photographs, 23 drawings and no other sheets as detailed on page 2.

Only integral reproduction of this Certificate, or reproduction of this page accompanied by any signed or dated copy of the original record characteristics of the apparatus tested, are permitted without the prior permission from ASTA Certification Services, ASTA House, Chestnut Field, Rugby, CV21 2TL, England. (see website)

P. J Ryan
ASTA Observer
M. J. Ryan
15th December 2000 Date




Certificate No. 1133GE

ASTA CERTIFICATION SERVICES
(Incorporated in the year 1998) ASTA House, Chestnut Field, Rugby, CV21 2TL, England
Laboratory Ref. No. 100034C

CERTIFICATE OF TYPE TESTS

APPARATUS: Three phase and neutral busbars, protective circuit and one outgoing unit of a 3000 A, 415 V / 600 V / 6 kV (3U/1U/Un) switchgear and controlgear suitable for TT and TN systems.

DESIGNATION: 3000 A Main Switchboard

MANUFACTURER: Spencers International Pty Ltd
8 Loyang Drive, Singapore 686500

TESTED BY: Testing & Certification Australia
18 Mars Road, Lane Cove, NSW 2086, Australia

DATE(S) OF TESTS: 6 to 16 May 1998

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in this certificate has been subjected to the series of proving tests in accordance with IEC Publication 60439-1: 1998 with Corrigendum No. 1 (Dec 1998) and Amendments 1 and 2, British Standard BS EN 60439-1: 1998 with Amendments 1, 2 and 3, and Australian Standard AS 3439-1: 1998 with Amendment 1. Clauses 8.2.1 to 8.2.7.

The results are shown in the record of Proving Tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above Standard(s) and to justify the ratings assigned by the manufacturer as stated below.



For Ratings assigned by the Manufacturer and proved by the tests see Page 1.

The record of Proving Tests applies only to the apparatus tested. The responsibility for conformity of any apparatus having the same designations with that tested rests with the Manufacturer.

This Certificate comprises 21 pages, 2 diagrams, 9 oscillograms, 13 drawings and 20 photographs and no other sheets as detailed on page 2.

Only integral reproduction of this Certificate, or reproduction of this page accompanied by any signed or dated copy of the original record characteristics of the apparatus tested, are permitted without the prior permission from ASTA, ASTA House, Chestnut Field, Rugby, CV21 2TL, England. (see website)

P. J Ryan
ASTA Observer
A. Khan
14th March 1998 Date

Certificate No. 1144UG

ASTA CERTIFICATION SERVICES
(Incorporated in the year 1998) ASTA House, Chestnut Field, Rugby, CV21 2TL, England
Laboratory Ref. No. 101101AC

CERTIFICATE OF TYPE TESTS

APPARATUS: 3300 A, 415 V (500 V/6 kV (3U/1U/Un)) three-phase and neutral horizontal and vertical busbars, one incoming unit, one bus-coupler unit and six outgoing units and the protective circuit of a switchgear and controlgear assembly.

DESIGNATION: 3300 A Main Switchboard, IP 44

MANUFACTURER: Spencers International Pty Ltd
8 Chang North Street 1
Spencers Building
Singapore 489523

TESTED BY: Testing & Certification Australia
18 Mars Road, Lane Cove, NSW 2086, Australia

DATE(S) OF TESTS: 28 May to 4 August 2000

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in this certificate has been subjected to the series of proving tests in accordance with IEC Publication 60439-1: 1998, BS EN 60439-1: 1998 Clause 8.2.1, 8.2.2, 8.2.3, 8.2.4, 8.2.5, 8.2.6, and 8.2.7.

The results are shown in the record of Proving Tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above Standard(s) and to justify the ratings assigned by the manufacturer as stated below.

For ratings assigned by the manufacturer and proved by the tests see page 1.

The record of Proving Tests applies only to the apparatus tested. The responsibility for conformity of any apparatus having the same designations with that tested rests with the Manufacturer.

This Certificate comprises 76 pages, 2 diagrams, 18 oscillograms, 33 photographs, 23 drawings and no other sheets, as detailed on page 2.

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P. J Ryan
ASTA Observer
M. J. Ryan
15th December 2000 Date




Test Certificates – ASTA Australia (on Main Switchboards)



Our Achievements & Awards

For details on test certificates, please refer to Annex.

Institute for International Product Safety GmbH
Friedrichshagen Road
Post-Box 100 171
D-10517 Berlin

Test Report No 2012-01115

Order No: 100147, 100148, 100149 and 100150

Customer: Spanners International Pte. Ltd., 8 Changi North Street 1, Spanners Building, Singapore 499422, Singapore

Manufacturer: Spanners International Pte. Ltd., 8 Changi North Street 1, Spanners Building, Singapore 499422, Singapore

Specimens: 2000 LF Board

Type reference: 2000 LF Board

Date of delivery: 01/10/12

Test Specifications: ISO 9000:2001

Tests conducted: 2000 LF Board

Test results: Passed

Number of pages (incl): 12

Date of issue: 10/10/12

Signature: Director Test Laboratory Head

Singapore Technologies Electronics
A Division of Singapore Technologies Corporation

VENDOR QUALITY AWARD

MERIT Award

presented to

Spanners International Pte Ltd

in recognition of

Quality Support and Services to

Singapore Technologies Electronics Limited

10/10/2012

PERNEC

PERNEC ADVANCED NETWORK Sdn. Bhd. (54906 - T)

CERTIFICATE OF ACHIEVEMENT

This is to certify that

SPANNERS TECHNOLOGIES (MALAYSIA) SDN BHD

has been awarded as

EXCELLENT SUPPLIER

on the

PAN SUPPLIER GATHERING DAY 2003

held on

22nd SEPTEMBER 2003

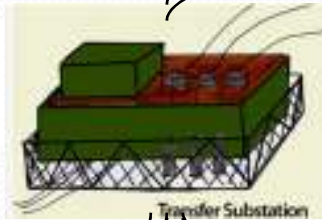
ARIFIN BAHIN
HEAD OF BUSINESS UNIT
PERNEC ADVANCED NETWORK Sdn. Bhd.

Test Certificates – I2PS (Institute for International Product Safety)



Our Business

Low Voltage



Transfer Substation

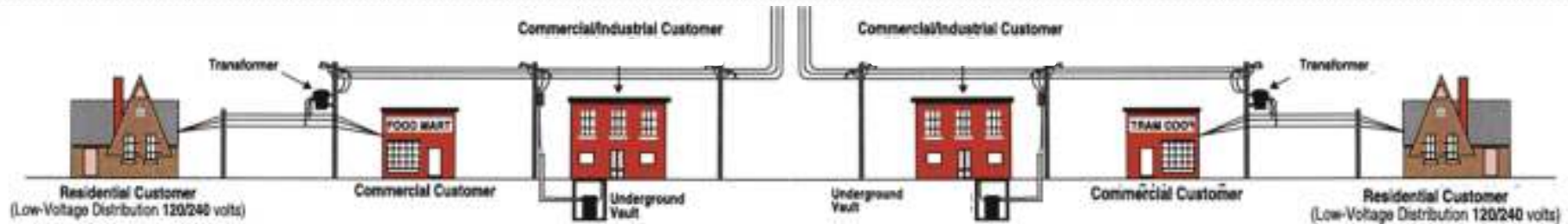
Industrial Power Plant



Factory



High Voltage





Our Products & Services



4000A Main Switchboard

Assuring Quality
Designed and built to IEC Standards
Certified by AFTA (Australia)

4000A Main Switchboard

Main Switchboards

Stability in Simplicity.



Cost-Effectiveness

Reliability

Ease of Installation

Durability



Spanners International Pty Ltd 1988-1989
Registered No. 1284922100
17th, Deakin Court Street, Leederville Sydney, Australia 4000
Tel: (61) 02 9511 2288 Fax: (61) 02 9511 2244 Email: sales@spanners.com.au
Website: www.spanners.com.au



Broad Functionality

Being utilized across different applications



SP The Shores
Main Switchboard



Durban View
Customised
Main Switchboard



Essex Depot
Main Switchboard





Our Products & Services

Multi Purpose Outdoor Cabinets



MULTI PURPOSE OUTDOOR CABINETS

This specially designed Multi Purpose Outdoor Cabinet is constructed using the latest construction technology with its durable and sturdy 1.5mm thickness galvanized steel. It features a built-in lock system with the integration of heat exchanger and 100 Amp 150 Amp and 200 Amp breakers. The design of this cabinet has a combination of different types of protection against water and dust for different compartments to meet different end purposes within one cabinet.

It is designed to accommodate the main controller and equipment (PLC) and also to house the main controller (PLC) and cooling distribution (CDB) can be easily installed into the door housing slot with the built-in compartment lock-up balance air conditioning in air PFC compartment and air mounted by a 1000W split AC unit in air PFC compartment. Also, for the cabinet compartment air circulation is done with a wide selection of cooling/heating/heat exchanger units can be provided upon request.

SRC Outdoor Rectifier/UPS Cabinets



SRC OUTDOOR RECTIFIER / UPS CABINETS

The outdoor Rectifier / UPS Cabinet is fabricated from aluminum and designed to comply with the requirements. This outdoor cabinet is insulated internally, and is complemented with VFD/DC fans to provide efficient air flow management. The outdoor cabinet is built to withstand the use of 1-10kV for every different of heat generated by the internal equipment.

The air mounting capability and door mounting also provide the flexibility and ease of installation of equipment and cable termination. The cabinet is equipped with various battery trays which can range a maximum weight of 200 kg per tray of batteries.

SPC Protection Cabinets



SPC PROTECTION CABINETS

The SPC Protection Cabinet is designed for sub-voltage applications, especially for power management and control industries. Designed with reliability and security, it is equipped with a robust and durable using frame feature, the panel has the flexibility for double layer equipment mounting. With the using frame feature, all four sides of the cabinet can be effectively applied.

These cabinets are normally personalized according to customer request and specifications. However, it is constructed using our basic building blocks and structure. Both front and back doors can be provided with transparent glass or ventilation or combination of both, as desired. Robust and removable top, cabinet lights and fan trays are available on request.

The possibility of multiple cabinets is a continuous line, with panels can be installed at points of order for better cost management. All cabinets can be easily installed together. These cabinets are normally delivered as a standard unit with glass panels for better safety. Cable entries on each glass panel can be prepared according to request at points of order.



Our Products & Services

LV Outdoor Distribution Pillars

All of Igniter's Distribution Pillars are manufactured to ensure only the optimum quality.

Our distribution pillars' safety and stability can be attested to - by their popularity within the power distribution industry both locally and regionally.

The various models are innovatively designed to be intuitively simple, yet sturdy safe for outdoor applications.

Our variety of models ensure that our customers' diverse requirements are met - and exceeded.



Stability in Simplicity.



Igniter International Pvt Ltd
 104, Changanacherry Street, Changanacherry, Thiruvananthapuram
 Tel: 91 97461 2882 / 97461 2883 / 97461 2884 / 97461 2885
 Email: info@igniterindia.com / sales@igniterindia.com



Assuring Durability

Steel-powdered steel and
 Dripless Powder
 coating

Assuring Satisfaction

Facile pillar
 operation
 Tailored to customer
 requirements

Assuring Efficiency

Compact size
 Low footprint

Assuring Quality

Compliant with IEC
 according to IEC 61870
 Type 2 with single
 pole
 Full approval - **India**
 - **Spain**

Assuring Security

Patented
 Combined locking
 system



Low Voltage Outdoor Drains Feeder Pillar



Model	Width	Depth	Weight	Material
1600A	1000	400	150	SPCC
1600B	1200	400	200	SPCC
1600C	1400	400	250	SPCC
1600D	1600	400	300	SPCC

Low Voltage Outdoor BS Type 1600A Feeder Pillar



Assuring Quality
 Compliant with BS7
 according to BS 6392
 Compliant BS Type 1600A mounted on a single
 pole with 100mm spacing to ground level

Assuring Efficiency

Compact size
 Low footprint

Assuring Durability

Steel-powdered steel
 Dripless Powder
 coating

Assuring Security

Patented
 Combined locking
 system



Low Voltage Outdoor 1600A Dtn Type Feeder Pillar



Assuring Durability
 Temp. Exposure: Maximum: Operating: 55°C
 Storage: 65°C
 Humidity: up to 95% (at 35°C)

Assuring Quality
 Compliant with IEC according to IEC 61870
 Type 2 with single pole
 Full approval - **India**
 - **Spain**



Assuring Efficiency

Compact size
 Low footprint

Assuring Security

Patented
 Combined locking
 system

Assuring Satisfaction

Facile pillar
 operation
 Tailored to customer
 requirements

Igniter International Pvt Ltd
 104, Changanacherry Street, Changanacherry, Thiruvananthapuram

Tel: 91 97461 2882 / 97461 2883 / 97461 2884 / 97461 2885
 Email: info@igniterindia.com / sales@igniterindia.com

ISO 9001:2015
 ISO 14001:2015



Our Products & Services

Dreins Fuse Switch



DREINS FUSE SWITCH

Dreins Fuse Switch is a 3 phase switch manufactured by Spanners International (Singapore) and is constructed in accordance to BS 847-1. The switch is designed with a degree of protection of IP2X according to IEC60947-3. The whole switch is withdrawable, and can be safely drawn out without exposing the operator to any risk. This feature also facilitates easy maintenance.

Each phase of the Dreins Fuse Switch is equipped with a dedicated spring assisted opening mechanism that operates the fuse carrier of each phase individually. The 3 phases of the Dreins Fuse Switch are arranged in a vertical format, and in unique such that, each phase can be opened singly. A simple and lightweight operating handle is provided for opening and closing the fuse switch.

Spanners Disconnecter

ILU/2500/3P/B



Innovation in Reliability.

Manufactured by Spanners International in accordance to IEC60947-3, the newly-developed Spanners Disconnecter boasts numerous practical benefits.

Its efficient yet intuitive design is coupled with the product's durability and minimal maintenance.

Having undergone rigorous testing at the KEMA (Holland), the superior quality of the Spanners Disconnecter is assured.

Safety and ease of operation are some of the hallmarks of an exceptional product – and the Spanners Disconnecter achieves just that.

SPANNERS
INTERNATIONAL PTE LTD.



Our Manufacturing Facilities

Spanners International's modern facility in Singapore, has been designed to cater for the manufacturing of today's increasingly complex electrical enclosures and related components.

At Spanners International, we take our customer's product challenges as our own. Our dedication to our customers is the reason we maintain the most modern and technologically advanced facility to meet their needs.





Our Manufacturing Facilities

Our large array of manufacturing equipment and machines conforming with the international standards and custom fabrication requirements of today's industrial and commercial challenges.

The primary fabrication equipment include:

- NC controlled hydraulic shears
- CNC punch presses



Our operations also utilize:

- Manual punches
- Mechanical notchers
- NC controlled hydraulic press brakes
- Mechanical press brakes
- Wire feed welders
- MIG & TIG welders
- Spot welders.



Our machine shop comprises of:

- Engine lathes
- Endmills
- Surface grinders.





Our Track Record



Spanners International Pte Ltd
 6 Chang North Street 1 Tel: (65) 6543 2388
 Spanners Building Fax: (65) 6543 2088
 Singapore 486223



LVB / OGB Supplied To PUB / SP PowerGrid / SP Powerassets

Contract No.	Commence Date	Complete Date	Description	Contract Qty
1E 186171	02/2009	10/12/09	2400A Low Voltage Board	180
1E 186129	02/2009	10/12/09	2400A Low Voltage Board	240
	02/2009	10/12/09	1800A Standard Low Voltage Board	240
	02/2009	10/12/09	1800A Large Service Low Voltage Board	240
1802148	04/2009	03/12/07	2400A Low Voltage Board	102
	04/2009	03/12/08	1800A Standard Low Voltage Board	320
	02/2009	08/12/07	1800A Large Service Low Voltage Board	288
1805430	11/2008	03/12/09	2400A Low Voltage Board	240
	02/2009	03/12/09	1800A Standard Low Voltage Board	360
1812382	10/2007	08/2007	2400A Low Voltage Board	300
			1800A Standard Low Voltage Board	180
			1800A Large Service Low Voltage Board	150
1801286	02/2007	06/2008	1800A Standard Low Voltage Board	200
9000081	07/2000	12/2002	2400A Low Voltage Board	360
9010134	06/2001	06/2003	1800A Large Service Low Voltage Board	180
9000211	10/2000	12/2000	1800A Large Service Low Voltage Board	180
9000008	06/2000	07/2000	2400A Low Voltage Board	360
9001234	06/2000	06/2001	2400A Low Voltage Board	300
			1800A Large Service Low Voltage Board	300
9070086	06/2001	02/2010	2400A Low Voltage Board	300
9000208	10/2000	03/2011	2400A Low Voltage Board	300
			1800A Large Service Low Voltage Board	300
9100108	07/2010	On going	2400A Low Voltage Board	480
			1800A Large Service Low Voltage Board	30
9100002	03/2010	On going	2400A Low Voltage Board	1800



Spanners International Pte Ltd
 6 Chang North Street 1 Tel: (65) 6543 2388
 Spanners Building Fax: (65) 6543 2088
 Singapore 486223



LVB / OGB Supplied To PUB / SP PowerGrid / SP Powerassets

Contract No.	Commence Date	Complete Date	Description	Contract Qty
9E 20821	03/2003	08/2004	Overground Box, 3 Way	720
9E 08171	09/2006	01/2007	Overground Box, 3 Way	720
9E 08170	06/2007	06/2008	Overground Box, 3 Way	600
9E 18040	12/2003	12/2008	Overground Box, 3 Way	900
9E 08480	10/2006	12/2008	Overground Box, 3 Way	720
9E 08482	11/2006	02/2009	Overground Box, 3 Way	1
9E 08088	04/2006	03/2007	Overground Box, 3 Way	1440
9E 08213	10/2006	01/2007	Overground Box, 3 Way	1320
9E 18488	02/2002	01/2004	Overground Box, 3 Way	1818
9E 18004	07/2000	04/2003	Overground Box, 3 Way	30
9E 28752	04/2003	07/2008	Overground Box, 3 Way	1620
9E 48000	11/2004	06/2006	Overground Box, 3 Way	1800
9001234	04/2008	05/2008	Overground Box, 3 Way	1800
9001232	07/2008	02/2010	Overground Box, 3 Way	2280
9001221	04/2010	10/2010	Overground Box, 3 Way	1800
9010440	03/2010	04/2010	Overground Box, 3 Way	1020
9000001	03/2010	08/2010	Overground Box, 3 Way	2016
9000002	08/2010	08/2010	Overground Box, 3 Way	1800
9000004	06/2010	10/2010	Overground Box, 3 Way	2016
9000247	05/2010	On going	Overground Box, 3 Way	2016



Our Track Record



Spanners International Pte Ltd
6 Chang North Street 1 Tel: (65) 6543 2388
Spanners Building Fax: (65) 6543 2988
Singapore 498525



Distribution Pillar Supplied To Sarawak Energy Berhad

Contract	Description	Contract Qty
PG13025	1800A Distribution Pillar	55
PG13022	1800A Distribution Pillar	30
PG12833	1800A Distribution Pillar	45
PG1185	400A Distribution Pillar	30
PG1004	1800A Distribution Pillar	30
PG13208	400A Distribution Pillar	30
PG14021	400A Distribution Pillar	40
PG1187	1800A Distribution Pillar	40
PG11208	1800A Distribution Pillar	50
PG10012	1800A Distribution Pillar	100
PG1811	1800A Distribution Pillar (DN)	10



Spanners International Pte Ltd
6 Chang North Street 1 Tel: (65) 6543 2388
Spanners Building Fax: (65) 6543 2988
Singapore 498525



Feeder Pillars Supplied to Department of Electrical Services Brunei

Slack	Year 1885	Description	Qty Supplied
		1800A Feeder Pillar Type 1801	200
		1200A Feeder Pillar Type 1201	80
		800A Feeder Pillar Type 801	100
		600A Feeder Pillar Type 601	400
		400A Mini Feeder Pillar	1000



Our Track Record

With the experience we've amassed over the years,

**We now look forward to
expanding horizons &
exploring new terrains.**





Contact Us

No 6, Changi North Street 1
Spanners Building
Singapore 498825



Telephone : (65) 65432388
Main Fax. : (65) 65432688
Sales Fax : (65) 65450010
E-Mail : sales@spanners.com.sg
Website : www.spanners.com.sg