



SUNLIGHT
A CHINT COMPANY

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Corporate Profile



Sunlight Electrical was first established in 1970 as an electrical wiring company. Growing in strength, we diversified into LV Switchgear manufacturing in 1976.

As a testament to our dedication to technical excellence, Sunlight Electrical was awarded ISO9000 certification by the Productivity and Standards Board of Singapore (PSB) in 1997. That same year, the company further expanded and incorporated Sunlight Electrical (Vietnam) Co., Ltd.

By 2000, Sunlight Electrical was listed on the Singapore Exchange. 2001 represented another corporate milestone, when German electronics giant Siemens enlisted Sunlight Electrical as a certificated SIVACON technology partner to

serve local needs with their versatile Low-Voltage Switchgear. As a certified partner with Siemens, we draw upon Siemens technology, extensive product range and technical expertise to complement our own solutions.

In 2013, Sunlight Electrical basked in the distinction of being one of the very few local companies to successfully achieve ASTA 6300 ampere type - test certification. Sunlight therefore has a comprehensive range of ASTA type - test certifications and is eligible for participation in a wide spectrum of projects.

We believe, however, that the journey is just beginning so we continually seek ways to improve our products, services and customer satisfaction.

Our Mission and Pledge



Our Mission

Our Mission is to be a leading regional manufacturer of electrical switchgears by providing products with the highest level of technical excellence and reliability, coupled with responsive, flexible and cost-competitive service to ensure total customer satisfaction.

Our Pledge

We are customer-focused, emphasising:

- technical excellence
- flexibility
- responsiveness
- cost-competitiveness



Almost half a century experience in the electrical industry, the Sunlight reputation has been built on reliability and value. We have successfully completed an extensive and diverse range of projects from both private and public, mechanical & electrical consulting engineers.

We attribute our reputation for reliability to a tightly controlled manufacturing process, switchgear designs that have been rigorously type-tested by ASTA (Association of Short Circuit Testing Authority based in UK) according to internationally recognised International Electrotechnical Commission (IEC) standards, and finally the use of quality components from internationally renowned manufacturers that comply with various technical specifications.

Our most distinctive recognition, however, comes from the fact that two thirds of our growing business is made up of repeat customers who are confident in our ability to deliver high standard products at competitive rates.

Management Philosophy



The secret behind Sunlight Electrical's success is our unique management philosophy comprising of a tri-focal approach.

Customer focus is the prime consideration for us. To this end, we provide tailor-made solutions optimised to suit the individual's needs and situation, responsive after-sales service, and an open management structure that allows for flexibility in servicing our customers. In addition, we provide on-time site testing and commissioning of products, and where required, we are able to provide a 24-hour standby service.

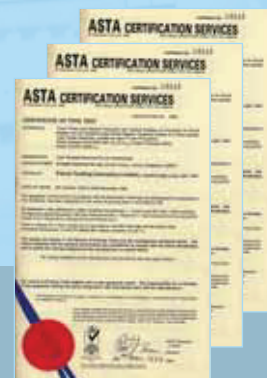
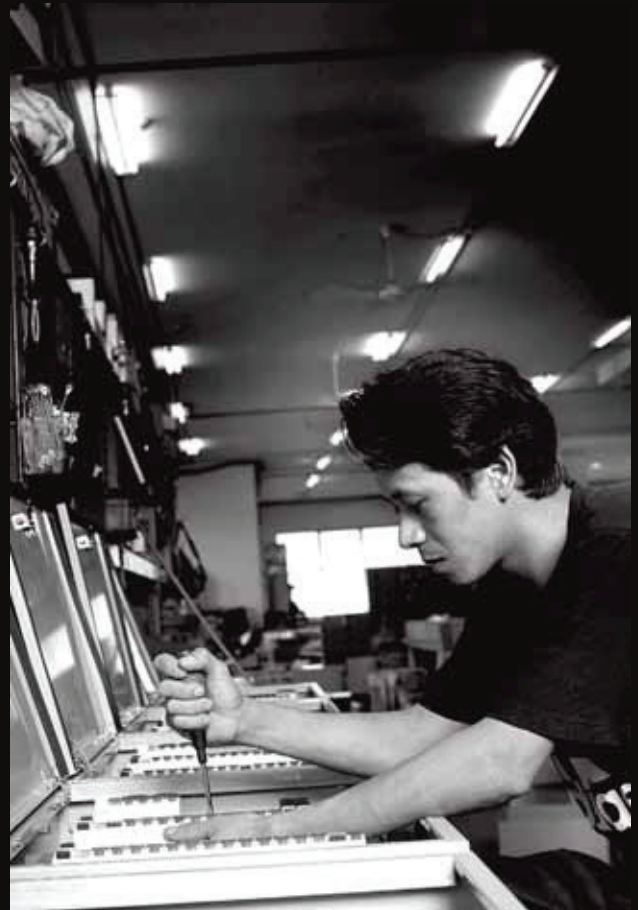
Naturally, it follows that a focus on quality is equally important throughout the process from design, fabrication, assembly, testing and commissioning, right up to service support.

Employee welfare & development is our third focus. Through an emphasis on staff training and career development as well as an open working environment, our customers are served by a team of dedicated professionals working cohesively and seamlessly.

Technical Excellence



Sunlight Electrical's technical excellence and competency have been recognised in a few important ways. We have achieved a comprehensive range of ASTA type-test certification from 250A to 6300A which enables us to participate in most projects. We have also been awarded the ISO 9000 certification by the Productivity and Standards Board of Singapore (PSB). Committed to improvement, we continually seek ways to utilise technology and processes for product enhancement.



Green Message



The GREEN Message

Sunlight is one of the forerunners among the Singapore Panel builders to dedicate considerable resources towards protecting the environment.

All departments are actively involved in improving the environment management without compromising the technical excellence of Sunlight products by rationalizing:

- a. The selection and usage of raw materials and components in the successful ASTA TYPE-TESTING in accordance to IEC **61439-2**;
- b. Preventing pollution, respecting water and air and reducing noise levels from production process;
- c. Selection of packing materials; and
- d. Reducing waste from certain processes.

Sunlight aims to guarantee maximum efficiency in technical and energy performance during service, control and reduce environmental impact in manufacturing to integrate into our overall switching, distribution and protection business.

Technology Partner



When German electronics giant Siemens enlisted Sunlight Electrical as a certified SIVACON technology partner to service local needs with their versatile Low-Voltage Switchgear in 2001, it was a corporate milestone that established a win-win partnership between both organisations.

As a certified partner with Siemens, we draw upon Siemens technology, extensive product range and technical expertise to complement our own solutions.



We collaborate with Siemens to produce SIVACON switchgears using Siemens components and within the specification. Switchgears are the lifeblood of buildings which control the distribution of electricity within the entire facility.

Throughout the collaboration, our engineers have successfully participated and completed several training sessions provided by Siemens in Singapore and Germany, for Siemens products, SIMARIS-SIVACON tools, quality assurance and as well as manufacturing process. We can definitely focus on manufacturing top quality switchboards that meet all specification requirements.



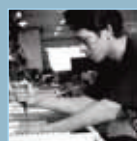
Facilities, Manufacturing Plant & Quality Assurance



Efficiency and quality are the hallmarks of our manufacturing plants. Equipped with state-of-the-art machinery for the entire switchboard fabrication process, our switchboard design has been refined to achieve its present full modular system.

CNC machines first shear, punch, cut and bend sheet metal to create frames, covers and sheet metal parts. These are then powder-coated with an in-house conveyerised electrostatic powder-coating system and assembled into panels for housing switches, busbars and other electrical components to form an electrical switchboard. To reduce computational errors, the specifications of the metal parts are pre-calculated and programmed before fabrication.

Over the years, the design has been enhanced to achieve improved rigidity, ease of assembly and efficient material usage in our switchboard assembly process.



Facilities, Manufacturing Plant & Quality Assurance

Pre-manufacturing

confirmation of final approved drawings
confirmation of approved components
confirmation of bill of quantity
confirmation of any other specific
instructions from client.

In-process

unassembled metal parts
structure / board assembly
component, equipment & accessory assembly
busbar & CT assembly
fibre covering
joints, bolts & screws



Post-manufacturing – in house

factory inspection
assembly, component & busbar sizes
switchgear dimensions busbar
connections electrical testing
insulation resistance test
in-house HV test
in-house primary injection test
in-house secondary injection test
function test



Post-manufacturing: prior to delivery

internal & external cleaning
danger signs
top angle bars
packaging
others



Post-manufacturing: at site

insulation resistance test
meggar HV withstand test
primary injection test
secondary injection test
all round inspection
PE report



Hero Products

Custom-design & fabrication of a full range of power distribution & protection equipment



Meter Board
Metal Enclosure Type



Meter Board
Thermoplastic - Sunmeter



Meter Board
Open Type



Consumer Unit
PVC 10Way



Consumer Unit
Concealed 16Way



Consumer Unit
PVC 16Way



Distribution Board
Double Door Metallic



Distribution Board
Single Door Metallic



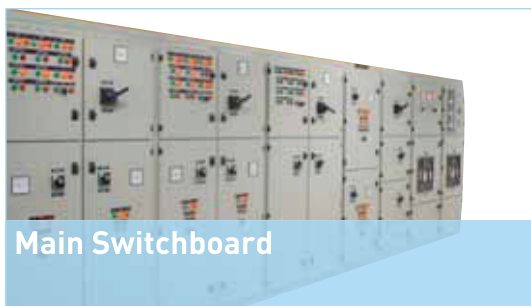
MCB Pan Assembly
Panel Board



MCCB Pan Assembly
Panel Board



Sub Switchboard



Main Switchboard



Main/Sub-Main Switchboard

Hero Products

Control Panel



Coolroom Plant
Control Panel



Sprinkler & Hosereel
Pump Control Panel



Horsereel Pump
Control Panel



Control Gear



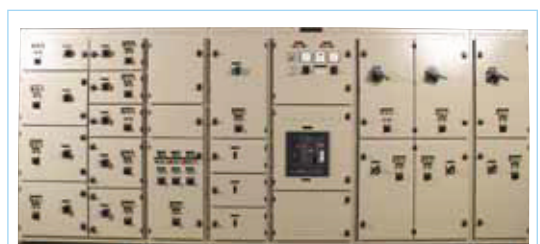
Sprinkler Pump
Control Panel



Fuel Pump
Control Panel



Sprinkler & Hosereel Pump
Control Panel



Chiller Control Panel/Main Air
Conditioning Switchboard

Major Project Reference

Public Residential



Punggol New Water Town

Private Residential



Interlace

Transport - Rail



Light Rail Train System

Transport - Airport



Changi Airport - Terminal 3 Building

Transport - Seaport



Pasir Panjang Terminal

Public Water



Tuas Desal 3

Major Project Reference

Healthcare



Sengkang Hospital

Industry - Solar



REC

Data Center



T20 DTC

Private Commercial



Marina Bay Sands

Industry - Petrochemical



Jurong Island

Utilities - Power



Keppel Seghers Tuas WTE Plant

SUNLIGHT

A CHNT COMPANY

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