Main Office
5 Jalan Pesawat
Singapore 619363

Sales & Customer Support
Tel: 6268 8222
Fax: 6264 4292

Transformer division
Tel: 6268 1819
Fax: 6268 7662

Engineering division
Tel: 6268 8223
Fax: 6264 5307

Water Technology division
Tel: 6268 8222
Fax: 6264 4292

Management Office /
Corporate divisions
Tel: 6268 8222
Fax: 6264 4292

Branch Office
14 Penjuru Close
Singapore 608610

Switchgear /
Controlgear division
Tel: 6268 8883
Fax: 6262 0841

VCB division
Tel: 6268 8883
Fax: 6264 0841

R&D division
Tel: 6477 9538
Fax: 6377 5386

http://www.meidensg.com.sg

CERT NO.: CHS-2013-0455 ISO 18001 : 2007

CERT NO.: 95.2-0424 ISO 9001 : 2008

CERT NO.: 2010-0481 ISO 14001 : 2004

ACCREDITED LABORATORY
SAC-SINGLAS
Cert No:LA-2013-0533-A

EMBRACE THR EARTH
...PROTECT THE PEOPLE
.....QUEST FOR QUALITY

MEIDEN

Deliver eco-friendly, safe and quality products through eco-friendly, safe and quality means.

How we make a difference to your life?

We provide products and solutions to equip and energize power generation, transmission and distribution grids, as well as for traction power systems.

We also offer environmental and eco-age technologies like water treatment, smart grid and renewable energy.

Headquartered in Japan, Meiden is Singapore's biggest and Southeast Asia's most advanced manufacturer of power equipment.

Meiden is the provider of power supply system for Singapore's first and second MRT lines (East West Line and North South Line) as well as the Changi Airport Line.

A consortium-based project led by Meiden in the first ever experimental powergrid centre in Singapore. Inside the facility (left) and control centre (right).

A completed installation and integration work of a 500MVA 230kV/230kV phase-shift-transformer (Singapore)

Corporate Office

Meiden Singapore Pte Ltd
5 Jalan Pesawat Singapore 619363
Main Line: (+65) 6268 8222

Incorporation Date: May 23, 1975
ACRA registration: 197500868K
Issued Share Capital: SGD 25,400,000 Ordinary

Shareholder:
Wholly-owned by Meidensha Corporation, Japan

How we organize ourselves?

Being part of our clients' value chain, there is no better goal than to be the strongest link in the chain.

To achieve this goal, we streamline and position ourselves to deliver seamless responses, with speed and accuracy.

To sustain it, we consistently enhance and consolidate our capabilities and resources to meet the varying needs of our broad spectrum of customers.

An integrated project involving our transformer, switchgear, VCB and engineering units in joint operations as well as our technical partners and Japan HQ in close collaboration (Bahrain)

Joint Operations & Services
Design, Engineering, Tests, Laboratory, Sales & Customer Support

Product Unit 1
Power Transformer

Product Unit 2
Distribution Transformer

Product Unit 3
Switchgear / Controlgear / Control panel

Product Unit 4
Vacuum Circuit Breaker

Solutions Unit 1
Power Engineering / Traction Power / SCADA

Solutions Unit 2
Water Technology

R&D

Meidensha Corporation

ThinkPark Tower, 2-1-1, Osaki, Shinagawa-ku, Tokyo, 141-6029 Japan

Tel: (81) 3-6420-7510
Website: www.meidensha.co.jp

Founded in 1897, Meidensha Corporation is an innovator in the technological domains of electricity grids, railway tractions, water processing, motor-centric drive systems, industrial automation, networked control systems and renewal energy. It has annual revenue of USD 2 billion and employs 7,000 people worldwide. Meidensha is a pioneer in many game-changing technologies like electric car motor, smart grid, water filtering membrane, power quality and storage devices, etc.

ThinkPark Tower, Tokyo

Numazu Works, Numazu City, Japan

Meidensha Network

Overseas Offices & Group Companies

Our Products & Solutions

With in-house product design, manufacturing and engineering, we have full control and ownership of our business processes, giving utmost confidence to our clients working with us. It demonstrates our commitment to customers that we hold direct responsibility in delivering effective and well-supported products and solutions.

SF_6 Gas transformer

Distribution transformer (from 3.3kV, 500kVA)

Power transformer (up to 154kV, 100MVA)

AVR for power transformer

Ceramic membrane

LC panel for high-voltage switchgear

Photovoltaic power system

MV Soft Starter

SCADA panel

24kV VCB

DC switchgear

Air-insulated switchgear (up to 24kV)

LCC for power transformer

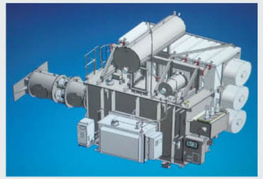
Motor starter panel

24kV circuit breaker for gas-insulated panel

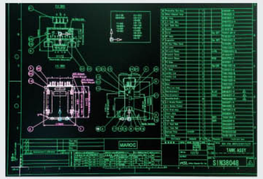
Gas-insulated switchgear (up to 36kV)

Design Philosophy

Product efficiency requires meticulous attention to details



Each and every part is evaluated for functionality, defects and failure



There is no short cut for thorough and accurate design.

Product efficiency

For 24/7/52 operations, product efficiency is not only a factor in life cycle cost, but also impacts upstream and downstream process costs. Our design focuses on delivering efficiency by paying great attention to details. Efficiency in both short and long run translates into lower life cycle as well as process costs. In short, when you pay for efficiency, efficiency will pay for you.

Pure functionality + Core effectiveness → world class reliability & safety

Every part and component is incorporated to serve an effective function – and is also designed to avoid critical failures and possible defects. That means a base product of pure functionality and core effectiveness. This approach to design reduces unnecessary costs, increases safety, simplifies maintenance and offers broader scope for modularity and customizability.

Design excellence → steady and precise performance

A design error or unintended deviation may not manifest its undesirable impact until years later. Further, such malfunctions can be difficult or even impossible to diagnose and resolve. In Meiden, we ensure all stages and aspects of the design process are thorough and accurate. In addition, conformance to R&D-validated design and safety parameters and customers' final specifications are never compromised.

Manufacturing Philosophy

Taut and sturdy interior of a Meiden transformer

Experience and workmanship are crucial in product safety and stability

Inter-process and end-process function-tests

Build it strong – and it will be durable

For products that are expected to last 20 years or more, it is essential to build them with high endurance and low degradation. To achieve these, we select tougher materials and devise rigorous manufacturing techniques. The result is a range of very stable products that typically outlast peer products.

Experience and Workmanship → safe and stable product

A large proportion of our workforce has been with us for 10, 20 or even 30 years. Experience is invaluable where product stability is crucial. To enhance stability further, we emphasize workmanship in every work routine. Every new worker undergoes structured training and is closely supervised until certified to be independently competent. Existing workers undergo regular up-skilling or re-training to keep up with technological advances.

QA – Pervasive and Green

Our quality system is in strict alignment with all requirements and standards imposed by our Japan HQ. It is structured to eliminate errors, defects and wastages at every stage of the manufacturing process from acceptance of parts and components to product assembly and conformance tests. Minimal errors and defects mean minimal wastage which in turn means less impacts on the environment. Our quest for quality converges with our promise and belief to preserve the environment.

Engineering Philosophy

In-depth product knowledge → sound engineering solutions

Several decades of designing, manufacturing and innovating successive generations of Meiden products have resulted in a vast and deep store of proven knowledge and knowhow. It enables us to provide sound engineering solutions in configuring, integrating, deploying and utilizing our products, even for the most technically challenging conditions, with no delay and minimal risks.

Integrating systems design with product design

Ceramic membrane test pilot plant in Ulu Pandan Singapore

Globalized collaboration →← Localized communications

We collaborate closely with worldwide technical partners and key suppliers to tailor-fit our products according to customers' specific needs. Customization allows our customers to adopt more efficient and versatile design. How do we do it? We maintain constant communication with customers at every phase: specifications and design to commissioning and defects liability. Nothing fulfils us more than to see customers' expectations fulfilled.

Installation, tests and commissioning of 66kV GIS in collaboration with GIS equipment supplier

Working with project partners in a rail infrastructure power-supply system (Singapore)

Operations & maintenance support – for non-stop performance

Proper operations and regular maintenance are essential for sustained functioning at maximum efficiency. We will be there for any scope and scale of maintenance and upgrading services, delivered by a wide-spectrum team of dedicated and competent professionals and specialists. You can count on us to ensure your system operates with solid performance, at all times, and for a very long time.

A major maintenance routine for an incinerator downstream generator

Inside the experimental powergrid facility, which simulates a power grid with conventional and renewable energy sources, energy storages, as well as conventional and clean technology applications like electric cars.

Worldwide Reach

Our company's operational readiness is always in active mode to respond to urgent needs, enabling high flexibility in our clients' scheduling of projects and delivery for today's challenging business climates.

Meiden Singapore is well-connected by air and sea globally. Our rapid deployment time for critical operations, in accordance to our ISO quality standard, is:

- Within 4 hours anywhere in Singapore
- Within 48 hours in most parts of Asia
- Within 72 hours in most parts of the world

Our Facilities & Equipment

Besides investing in skills, knowledge and experience, we spare no effort in constantly acquiring, upgrading and maintaining our facilities, equipment and tools. Utilizing up-to-date and optimally-functioning equipment, operated by competent and dedicated people, contribute to higher quality of manufacturing, engineering and R&D outputs.

Oil tests laboratory

High voltage test laboratory for transformer

Drying chamber for transformer core

AC Tester - Max 400kV

Lighting Impulse Generator - Max 1200kV

VCB / Gas breaker manufacturing facility

Water tests laboratory

High Frequency Generator - 3 Ø 1200kVA

Test Generator - 3 Ø 3000kVA

Switchgear / Controlgear manufacturing facility

Logistic Zone

Transformer manufacturing plant

Power electronics R&D laboratory

1975 - Meiden Singapore is established by Meidensha Corporation of Japan
1979 - Establishment of distribution transformer plant (up to 5MVA capacity)
1987 - Completion of the **first** MRT Line (East-West and North-South) power supply system in Singapore, which is also the **first** in South East Asia
1995 - Obtained ISO9001 and JQA certification
1995 - Establishment of switchgear/controlgear facility (up to 36kV)
1998 - Establishment of VCB facility (up to 31.5kA rated breaking current)
2002 - Completion of Singapore MRT Changi Airport Line power supply system
2003 - Establishment of manufacturing facility for switchgear protection and control panel (up to 420kV)
2004 - Completion of Manila Metro Line 2 power supply system (AC & DC)
2006 - Establishment of power transformer plant (up to 154kV, 100MVA capacity), the **biggest** in South East Asia
2007 - Successful turnkey completion of 230kV/230kV, 500MVA phase-shift transformer, the **biggest** in Singapore.
2008 - Completion of 66kV GIS for SPPG transmission substations
2009 - Completion of Singapore MRT Boon Lay Extension power supply system
2010 - Obtained ISO14001
2010 - Establishment of Water Technology division
2010 - Absorption of R&D division from Meiden Asia Pte Ltd
2010 - Delivery of 10,000th distribution switchgear
2011 - Successful turnkey completion of the **first** experimental powergrid facility in Singapore
2012 - Delivery of 20,000th distribution transformer
2013 - Obtained OHSAS18001

Official Opening of the Power Transformer Plant (2006)

MOU signing between PUB Singapore & Meiden Singapore for the **FIRST** Ceramic Membrane MBR Demonstration Plant to treat & recycle industrial used water by 2013

Our humble beginning in the 1970's