

# COMPANY PROFILE

## Outline

<b>Name</b>	TERATEC (USA) INC.
<b>Representative Director and President</b>	Masao Nishida
<b>Address</b>	21151 S.Western Avenue, Suite 214, Torrance, CA 90501, USA
<b>TEL &amp; FAX</b>	TEL : +1-310-755-2517 FAX : +1-310-755-2574
<b>Establishment</b>	February 19, 2013
<b>Capital</b>	US\$ 200,000-
<b>Main business</b>	<ul style="list-style-type: none"> <li>Maintenance, Service and Technical support for Power distribution and control system, Monitoring system and Circuit breaker of mainly Terasaki Electric Co., Ltd. Japan in the sence of Life Cycle Support</li> <li>Support work for AMP system</li> <li>Parts supply</li> </ul>

## Parent Company Information

<b>Name</b>	TERATEC LTD.
<b>Representative Director and President</b>	Masao Nishida
<b>Address</b>	7-2-10 Kamihigashi, Hirano-ku, Osaka, 547-0002, Japan
<b>TEL &amp; FAX</b>	TEL : +81-6-7634-7533 +81-6-7634-7531 (Rep.) FAX : +81-6-7634-7543 +81-6-7634-7541 (Rep.)
<b>Establishment</b>	July 1st, 1984
<b>Capital</b>	20 Million yen
<b>Turnover</b>	3.02Billion yen (Fiscal year 2018)
<b>Number of Employees</b>	148(1, Apr. 2019)

**Certified ISO9001, ISO14001**  
Teratec has acquired ISO14001 certification in environmental management systems and ISO9001 certification in quality management systems.



# GLOBAL SERVICE NETWORK

**It is our mission to support the vessels sailing around the world**

Terasaki's "Global Service Network" incorporates its own group companies and also other alliance companies having excellent high technology, to provide service and parts supply to the ship in all the major ports in the world from the nearest service station. Teratec is performing core role of Terasaki Global Service Network and trying to maintain and improve maintenance quality now and in future.

## Terasaki Global Service Network

supporting safety and smooth voyage of the vessels.



Terasaki GSN are at your service around the world and around the clock especially for shipowners and shipyards for Terasaki Marine Electrical Distribution Systems & Products and Automation Systems.



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**TERATEC(USA) INC.**

Company Profile

# GLOBAL ENGINEERING FOR THE FUTURE

**TERATEC LTD.**

# PARTS SUPPLY

➡ Total Supplier in Power Distribution and Control field

## Package supply of necessary parts whoever the maker is.

Teratec is handling to supply not only single parts such as breaker and printed circuit module but also various parts used in switchboards, control panels and distribution panels equipped in the ship and industry facility and further various parts such as various electric devices and sensors relating with these electric facilities. Teratec is able to prepare not only the parts of Terasaki products but also various parts which customer requires in a lump whoever the maker is. In case of obsolete model, Teratec suggests suitable substitute.

### Scope of supply

- ▶ Air circuit breaker, Molded case circuit breaker
- ▶ Printed circuit module
- ▶ Internal parts for switchboards
- ▶ Sensor, transmitter and external parts for switchboards
- ▶ Other electrical and electronic parts

### Supply description

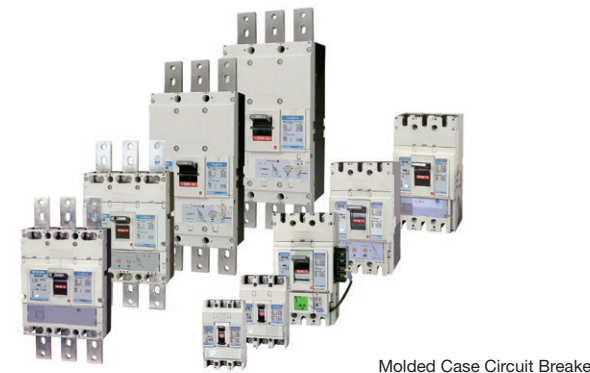
- ▶ Supply of new model parts
- ▶ Selection and supply of substitute parts & devices



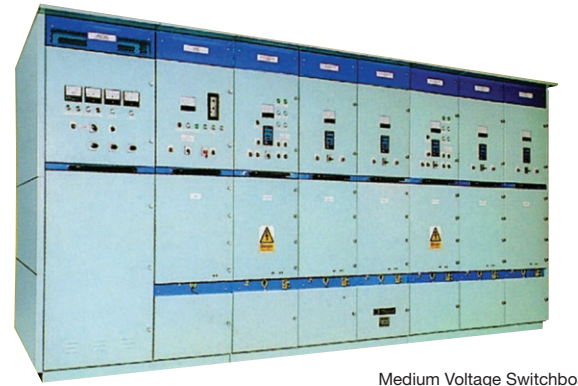
Air Circuit Breaker



Integrated Monitoring and Control System



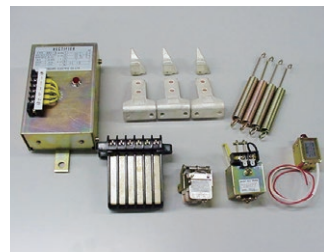
Molded Case Circuit Breaker



Medium Voltage Switchboard



Sensors



Internal parts of Air Circuit Breaker



Power supply unit



Printed circuit module, Device

# LIFE CYCLE SUPPORT

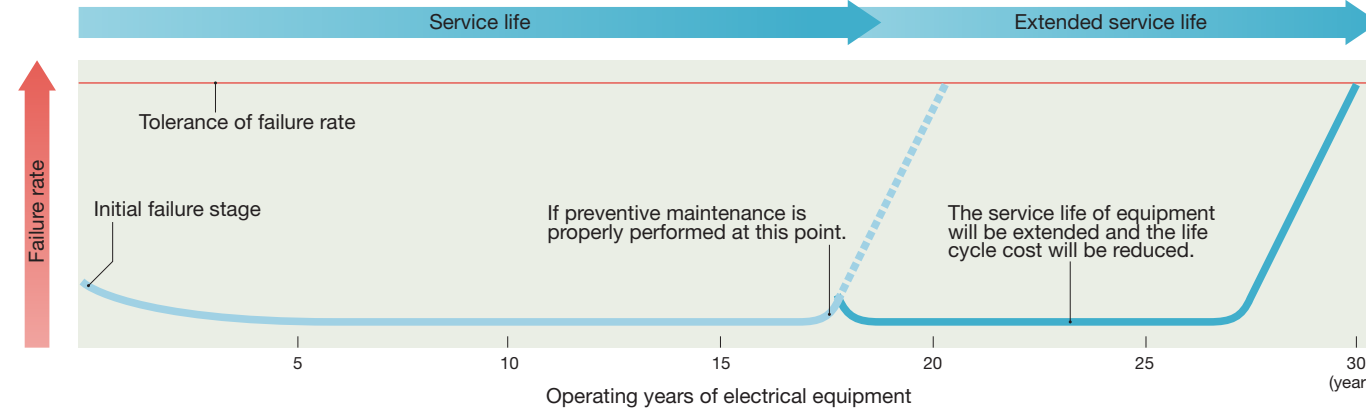
➡ Teratec Provides Valuable Preventive Maintenance Services and Retrofit Solution for Electrical Equipment.

## Reduction of life cycle cost.

Providing this service can contribute the "Reduction of Life Cycle Cost" by carrying out timely and adequate maintenance and fault diagnosis of equipment which could involve the complete Power Distribution System including Air Circuit Breakers and Molded Case Circuit Breakers together with the Monitoring and Control Systems on your ship or plant for its life period from the time when built till the time of its finish of life of your ship and from the time of the equipment delivery till the time of renewal of facility in the plant. Teratec suggests the plan for reduction of life cycle cost and the plan for the life extension of the facility considering not only repairing the defectiveness but also customer's facility management plan, ship management plan and the availability of spare parts.



## Proper preventive maintenance extends the service life of equipment.



### Scope of supply

- ▶ High voltage distribution system
- ▶ Low voltage distribution system
- ▶ Monitoring & control system
- ▶ Power control system
- ▶ Co-generation system
- ▶ ACB and MCCB

### Supply description

- ▶ On-site preventive diagnosis for system, ACB and MCCB (Results of diagnosis will be reported and suggestions will be provided)
- ▶ Inspection and repair of devices
- ▶ Retrofitting of ACB, Generator auto control system and Monitoring & control system



Inspection of ACB



Inspection of motor protection relay



Inspection of high voltage switchboard



Retrofit of GAC system

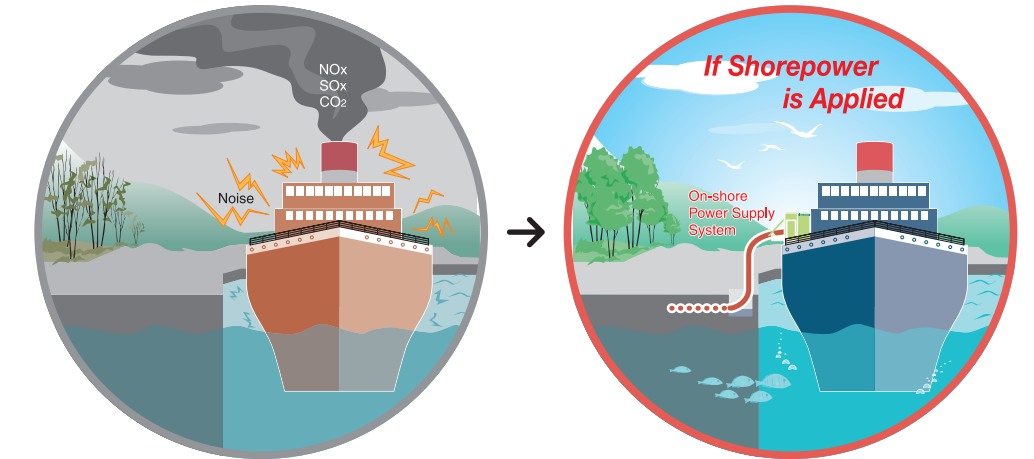


Retrofit of ACB

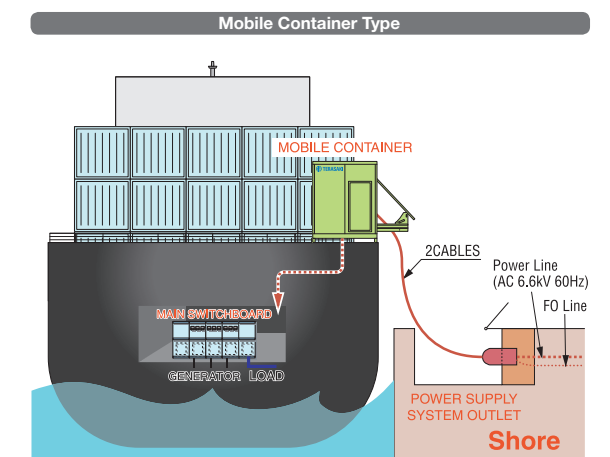
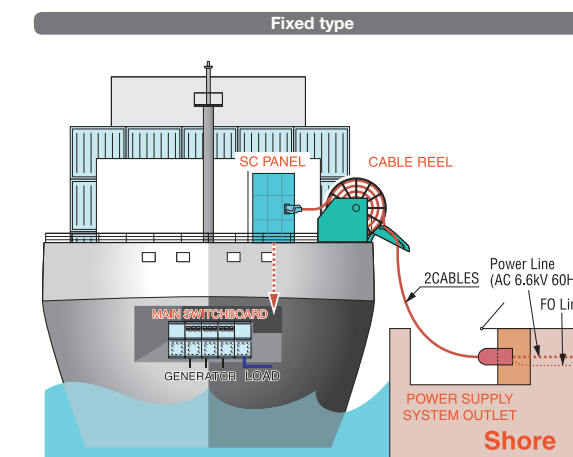
# AMP (Alternative Maritime Power)

➡ Terasaki On-shore Power Supply System protects the environment of the harbor.

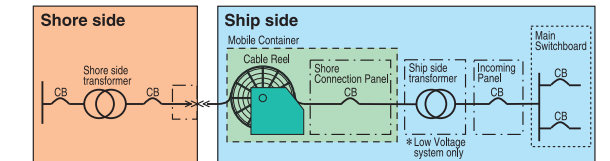
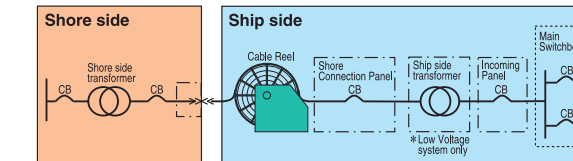
On-shore power supply system is a system that by stopping the inboard generator prime mover moored at the time to supply the amount of power required from the land side, reducing the environmental burden material to be discharged from the ship's side, protecting the environment of the port.



## System Configuration



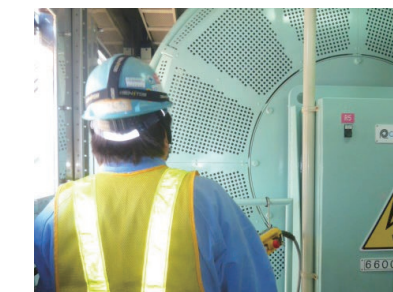
## Single Line Diagram



## Commissioning work



Insulation resistance check



Cable reel operation



Alarm and status check