



# Company Profile

**Hitachi Power Semiconductor Device, Ltd.**

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# 1. Business Policy

## Pursuit of the World's Best "Design and Manufacturing" Quality

The semiconductor industry is a world of continuous efforts for technical innovation for better performance and quality.

Hitachi Power Semiconductor Device, Ltd.(HPSD) provides power semiconductor products which are key devices for social innovation business field (e.g.; rolling stocks, construction machinery, electric power generation & transmission facilities, automotives, home appliances, etc.)

We will contribute to Customer Satisfaction (CS), Employee Satisfaction (ES), and Shareholders & Society (SS) through our devotion to high-quality "Design and Manufacturing".

In addition, we will expand the overseas sales offices to increase front-sales persons including sales engineers in order to capture the needs of growing and advancing market and thereby meet customer's expectation in the global market.

### Company Outline

- Company name:  
Hitachi Power Semiconductor Device, Ltd.
- Established:  
October 1, 2013
- Line of business:
  1. Design, production, and sales of semiconductor parts and components
  2. Design, production, and sales of semiconductor application equipment and related parts/components

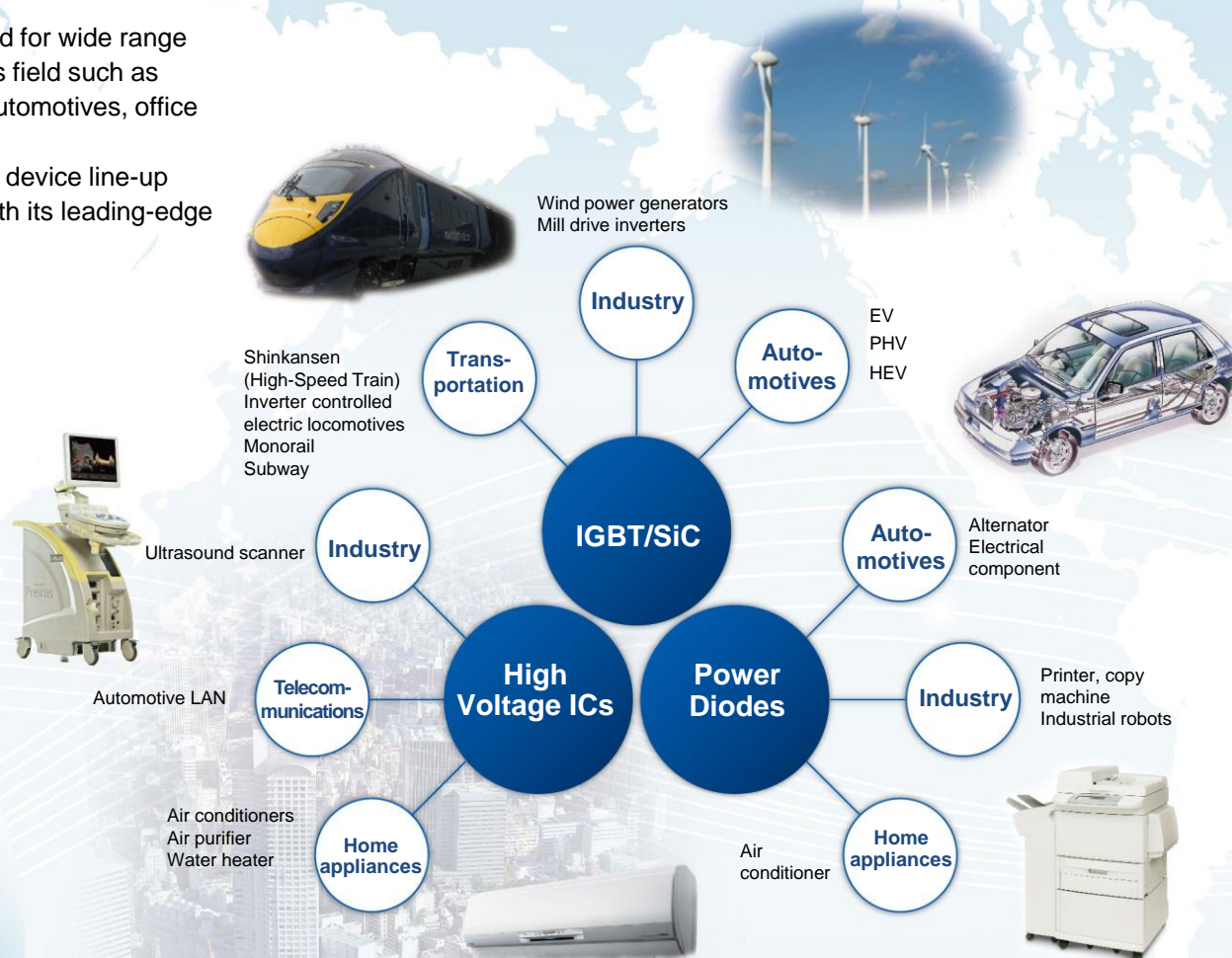
## Hitachi Power Semiconductor Device contributes to a new era of power electronics.



## 2. Applications

### Sophisticated power semiconductor devices bring efficiency, comfort and convenience to life.

Power semiconductor devices are used for wide range of applications in the power electronics field such as industrial equipment, transportation, automotives, office equipment and home appliances. HPSD continues to reinforce its power device line-up of higher capacity and performance with its leading-edge design and manufacturing expertise.





# 3-1. Product Category

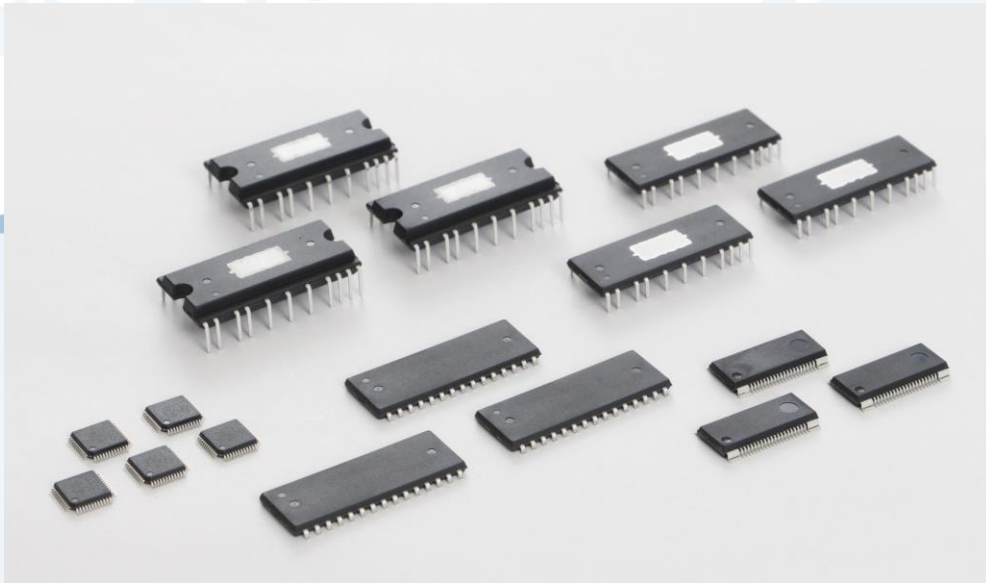
## IGBT/SiC

In order for the improvement of performance and quality of industrial equipment, it becomes common to use inverters. Hence the switching devices having high performance and quality are also required for the invertors and HPSD can meet such requirement with its high performance IGBT/SiC products.



### High-Voltage IC

HPSD High-Voltage ICs contribute to higher efficiency in smart home appliances and other products. These ICs can be widely used for various purposes and have been adopted by leading companies in air conditioner fan motor market.





## Power Diode

HPSD Power Diodes are used for wide range of electrical instruments and the product line-up includes surge suppression devices for protecting automotive equipment and high-voltage diodes for the applications such as printers and automotive ignition system, etc.

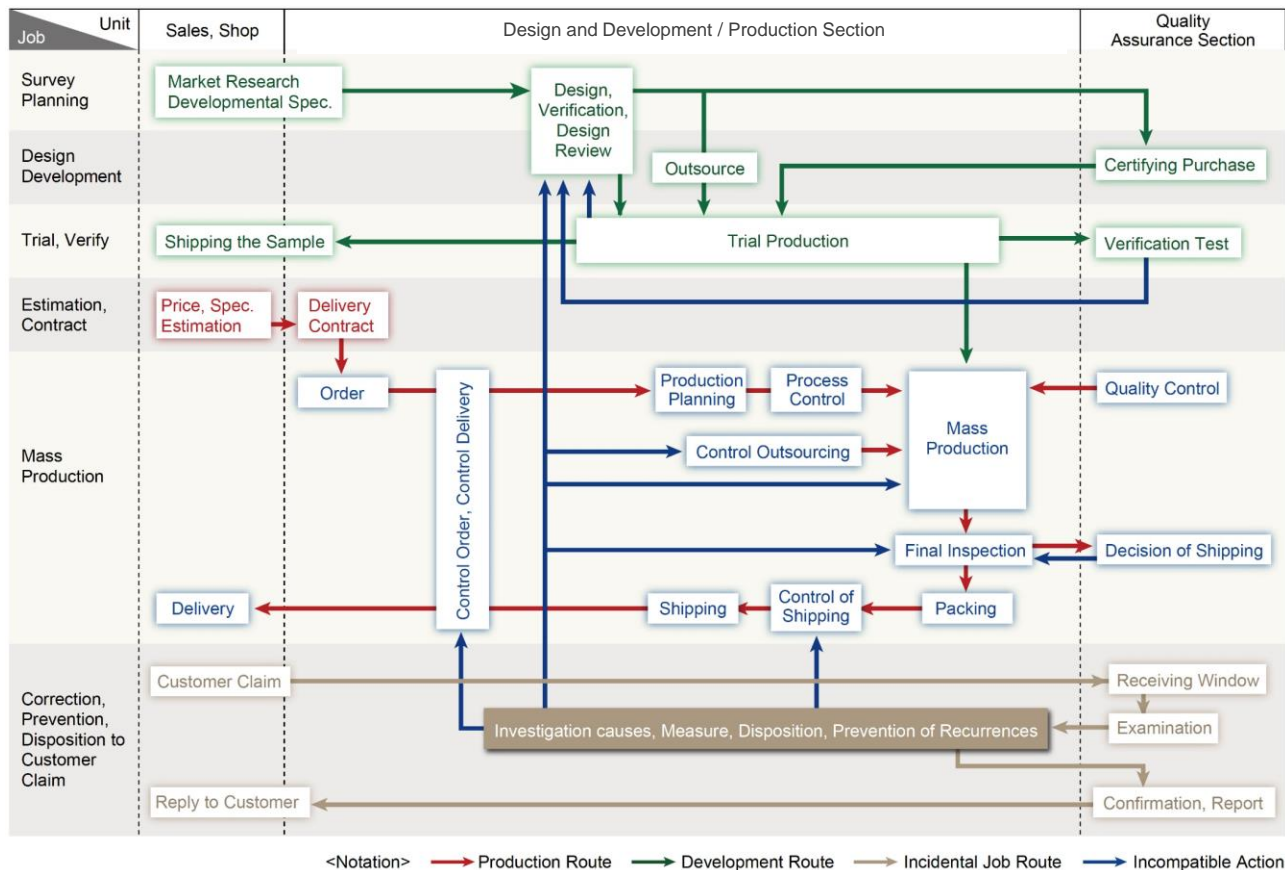


# 4. Quality

## For providing the world top class quality

HPSD makes a point of “Going All out to Offer Products and Services of Superior Quality.” From quality control in each process of our operations through strict quality testing to after-sales service, our quality control system is high in content and proven. It enables us to continue to offer power semiconductor devices of superior reliability.

■ Quality assurance system chart





# 5. Environmental Vision

Hitachi Group is committed to global warming prevention, resource conservation, and ecosystems preservation as the three pillars of our vision.

Our goal is to achieve a more sustainable society by promoting global production that reduces the environmental burden of a product throughout its life cycle.

Reduce CO<sub>2</sub> emissions in energy production  
Enhance energy efficiency of our products

Prevention of  
Global Warming

Conservation of  
Resources

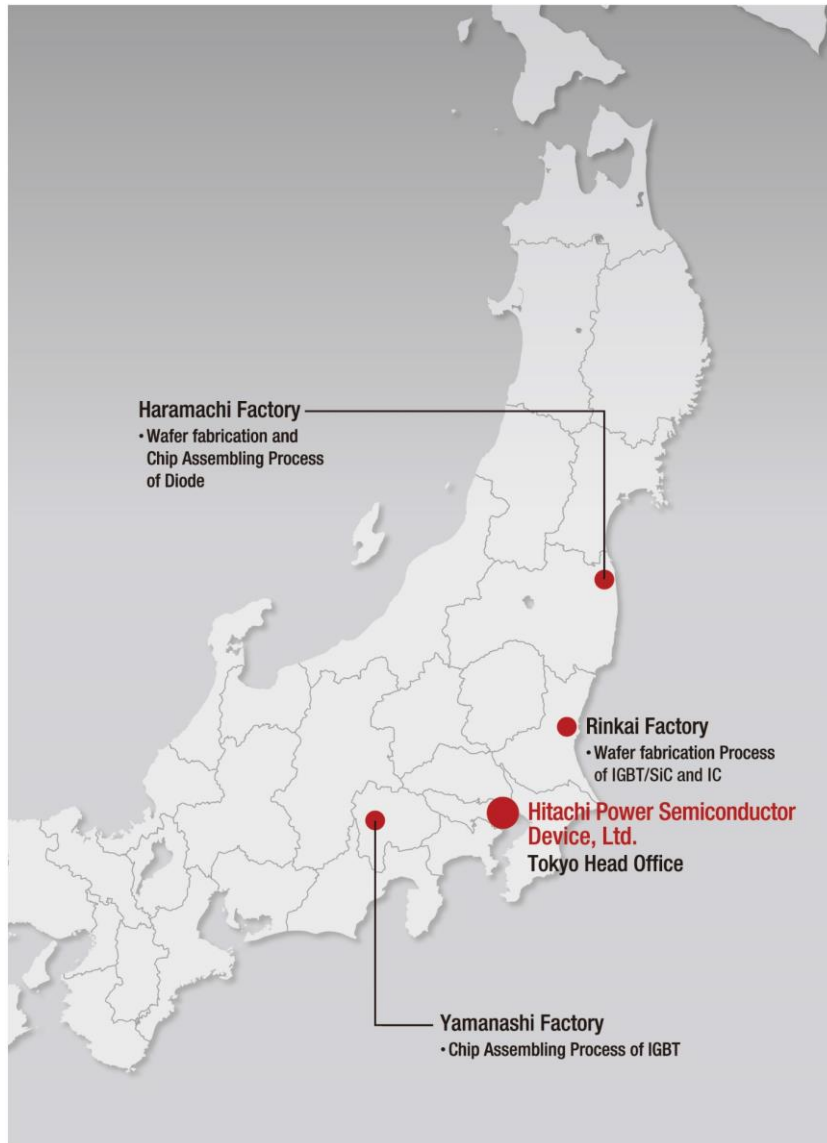
Preservation of  
Ecosystems

Collect products for  
reuse or recycling

Reduce negative effects  
on air, water and soil

**Towards a Sustainable Society**

# 6-1. Locations of Factory and Sales Office



## ■ Factories

©Rinkai Factory



©Haramachi Factory



©Yamanashi Factory



## 6-2. Locations of Factory and Sales Office

### ■ Office





## ■ Overseas Representatives

### United States of America

**Hitachi America, Ltd. Power Semiconductor Device Division**

707 Westchester Ave., Suite LL07, White Plains, NY 10604-3102

Telephone:<1>(914)364-3709

Webpage: <https://www.hitachi.us/psdd/>

### United Kingdom

**Hitachi Europe Ltd. Power Device Division**

Sefton Park, Bells Hill, Stoke Poges, Buckinghamshire, SL2 4HD

Telephone :<44>(1628)585151 Mail: pdd@hitachi-eu.com

Webpage : <http://pdd.hitachi.eu/>

### Shanghai

**Hitachi (China) Ltd. Shanghai Branch**

18th Floor, Rui Jin Building, No.205 Maoming Road (s), Shanghai, 200020 China

Telephone :<86>(21)6472-1002(Ext.1364) Fax:<86>(21)6473-9080

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New Territories, Hong Kong

Telephone :<852>2735-9218 Fax:<852>2375-3192

### Korea

**Hitachi Korea Ltd.**

10F, Young Poong Bldg., 41, Cheonggyecheon-ro, Jongno-gu,  
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### Thailand

**Hitachi Asia (Thailand) Co., Ltd.**

12th Floor, Ramaland Bldg, No.952, Rama IV Road, Suriyawongse, Bangrak,  
Bangkok 10500, Thailand

Telephone :<66>(2)632-9292 Fax:<66>(2)632-9299

### India

**Hitachi India Pvt. Ltd.**

Tower B, World Mark 1, Aerocity, New Delhi-110037, India

Telephone:<91>(11)4060-5252 Fax:<91>(11)4060-5253

## ■ Address of Factories

### Rinkai Factory

5-2-2, Omikacho, Hitachi-shi, Ibaraki, 319-1221, Japan

### Haramachi Factory

20 Aza Obara, Shimo-Ota, Haramachi-ku, Minamisouma-shi, Fukushima, 975-0041,  
Japan

### Yamanashi Factory

545, Itchohata, Chuo-shi, Yamanashi, 409-3813, Japan

# END



## Hitachi Power Semiconductor Device, Ltd.

- Refer to the home page for the latest information  
Hitachi Power Semiconductor Device home page <http://www.hitachi-power-semiconductor-device.co.jp/en/>
- For inquiries relating to the product, please contact nearest overseas representatives or below.  
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