

*Torex...Powerfully Small!*

**FY2026**

# **TOREX Semiconductor Company Profile**

May 2026

TOREX Semiconductor LTD.

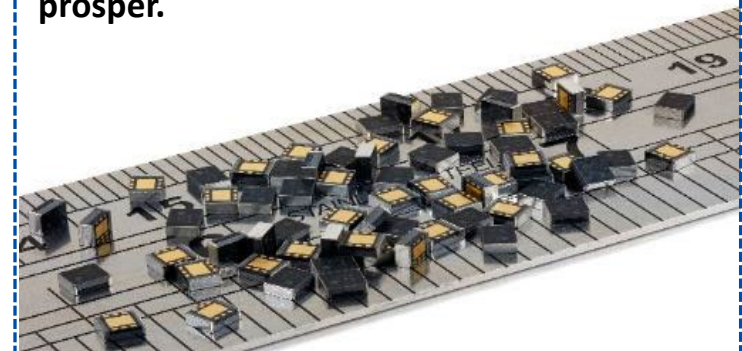
TOREX Semiconductor is specialized in manufacturing power management ICs featuring small size, low Iq, and low noise. We offer the most effective solutions to advance both sustainability and digital transformation in our society.

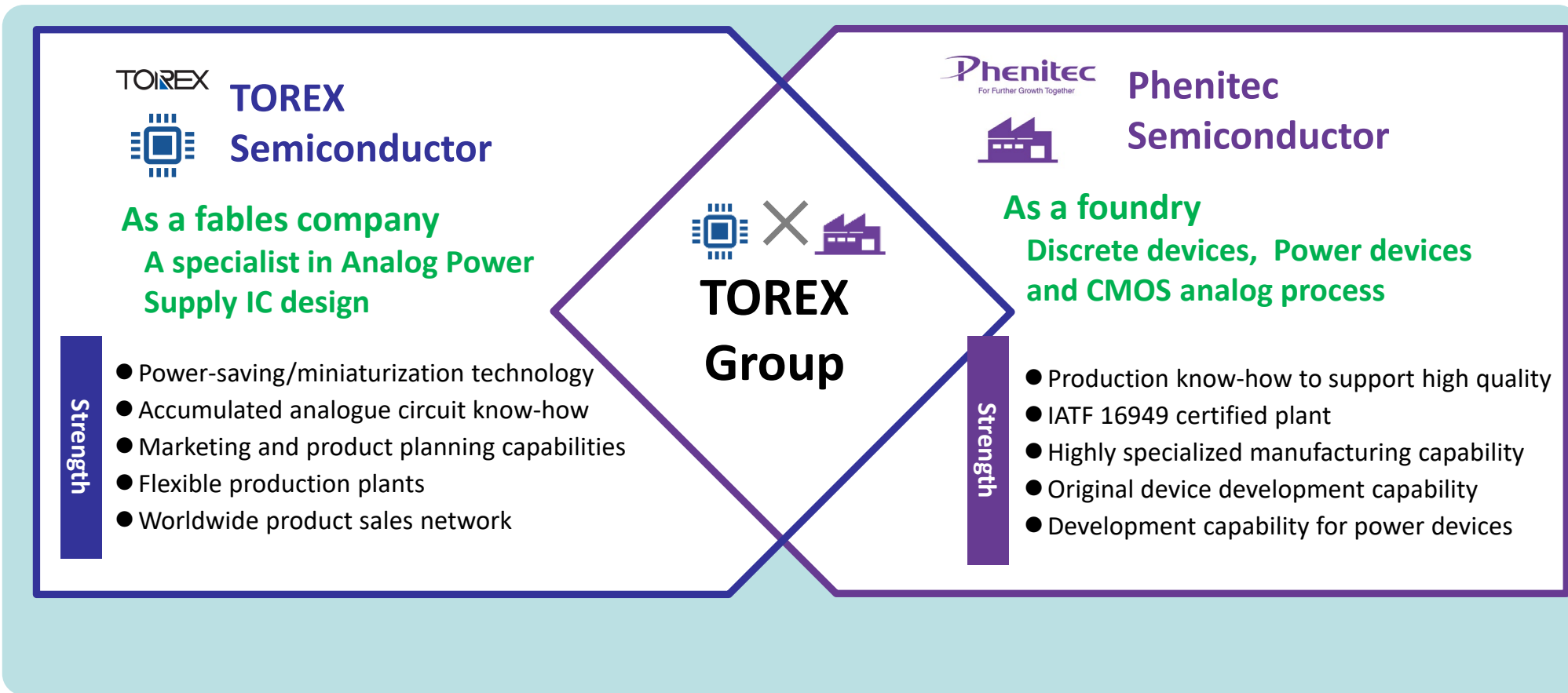
*Torex...Powerfully Small!*

<b>Address</b>	<b>5F MEBSK TOYOSU 6-4-34 Toyosu, Koto-ku, Tokyo 135-0061 Japan</b>
<b>Founded</b>	<b>March 1995</b>
<b>Representative</b>	<b>Takeshi Kimura, President</b>
<b>Capital</b>	<b>2967.93 million JPY</b>
<b>Operations</b>	<b>Development, manufacturing and sales of analog power supply ICs and power devices.</b>
<b>Employees</b>	<b>TOREX : 185, TOREX Group : 1,038</b>
<b>Manufacturing Facilities</b>	<b>TOREX VIETNAM SEMICONDUCTOR CO.,LTD PHENITEC SEMICONDUCTOR CO.,LTD</b>
<b>URL</b>	<b><a href="https://www.torexsemi.com/">https://www.torexsemi.com/</a></b>

Our Corporate Philosophy is to endeavor continuously the improvement on our intellect and to be responsive to market demands by creating highly valuable products.

To contribute to the maintenance of our global environment, to the prosperity of our society and at the same time enabling each and everyone involved in our business to prosper.

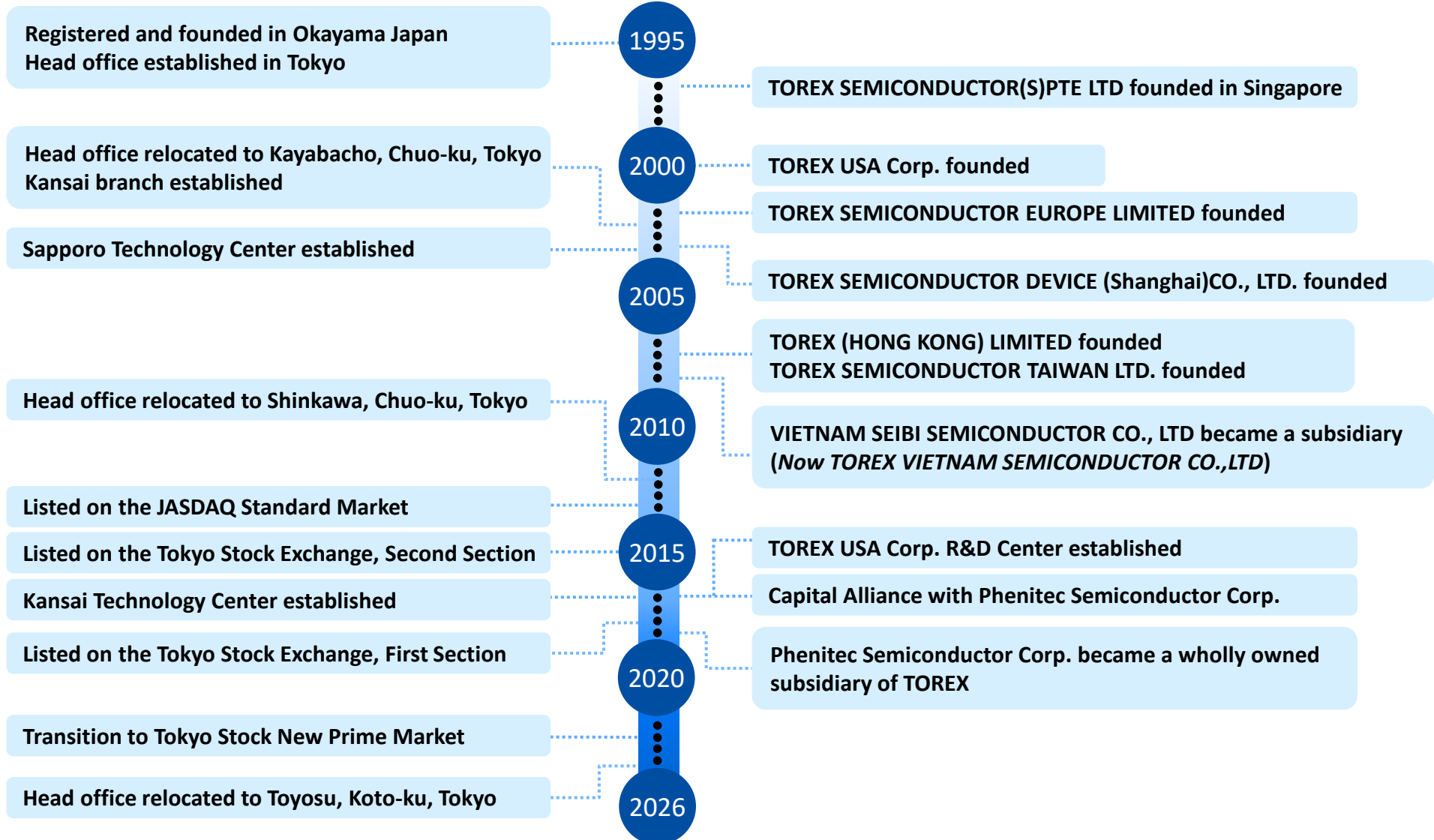




## Fabless & Foundry

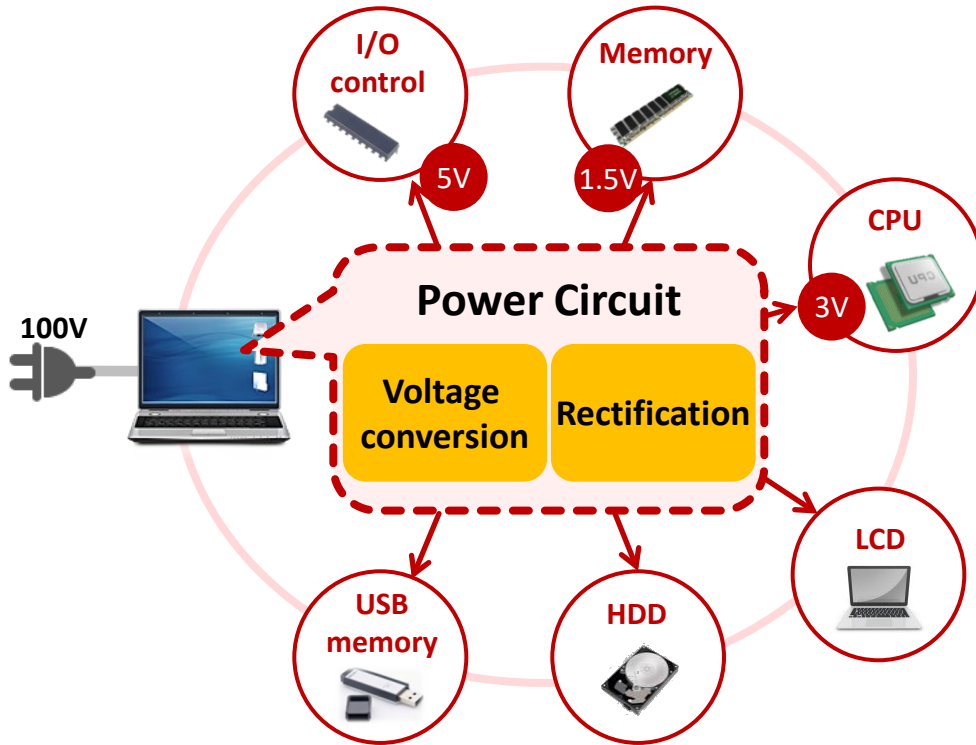
Each becomes a group of professionals who are dedicated to their core business, and synergies are achieved by complementing each other.

We have contributed to the development of the electronics industry with our **power-saving and miniaturization technologies**.



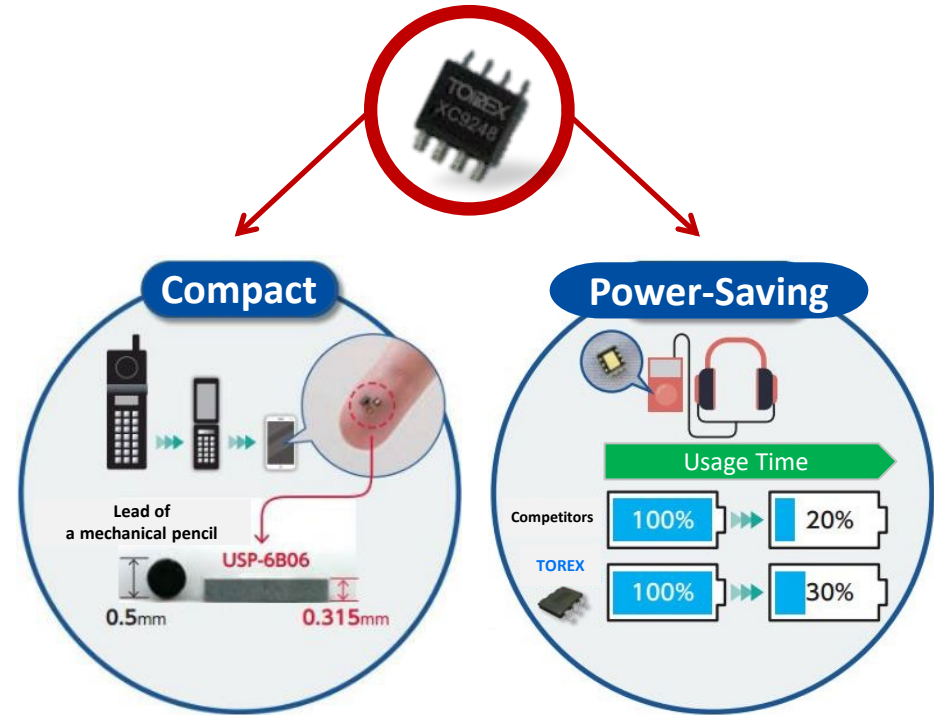
We develop and market world-class compact, power-saving Power Management ICs.

## Role of the Power Management IC



**PMICs control and provide a stable supply of voltage to run various functions of electronic equipment.**

## TOREX's Power Management ICs



**We contribute to the miniaturization and power saving of electronic equipment with our unique technology.**

## Business Direction Policy

- Provide optimal solutions that contribute to sustainable growth and the promotion of energy-saving.
- In addition to **Small and Low-Power products**, expand the Product Group to High-Performance, **High-Current products** for control systems and data processing, as well as **Protection and Back-up solutions**.
- Offer a distinctive product range as kit solutions to support diverse power supply configurations.

### Industrial Products

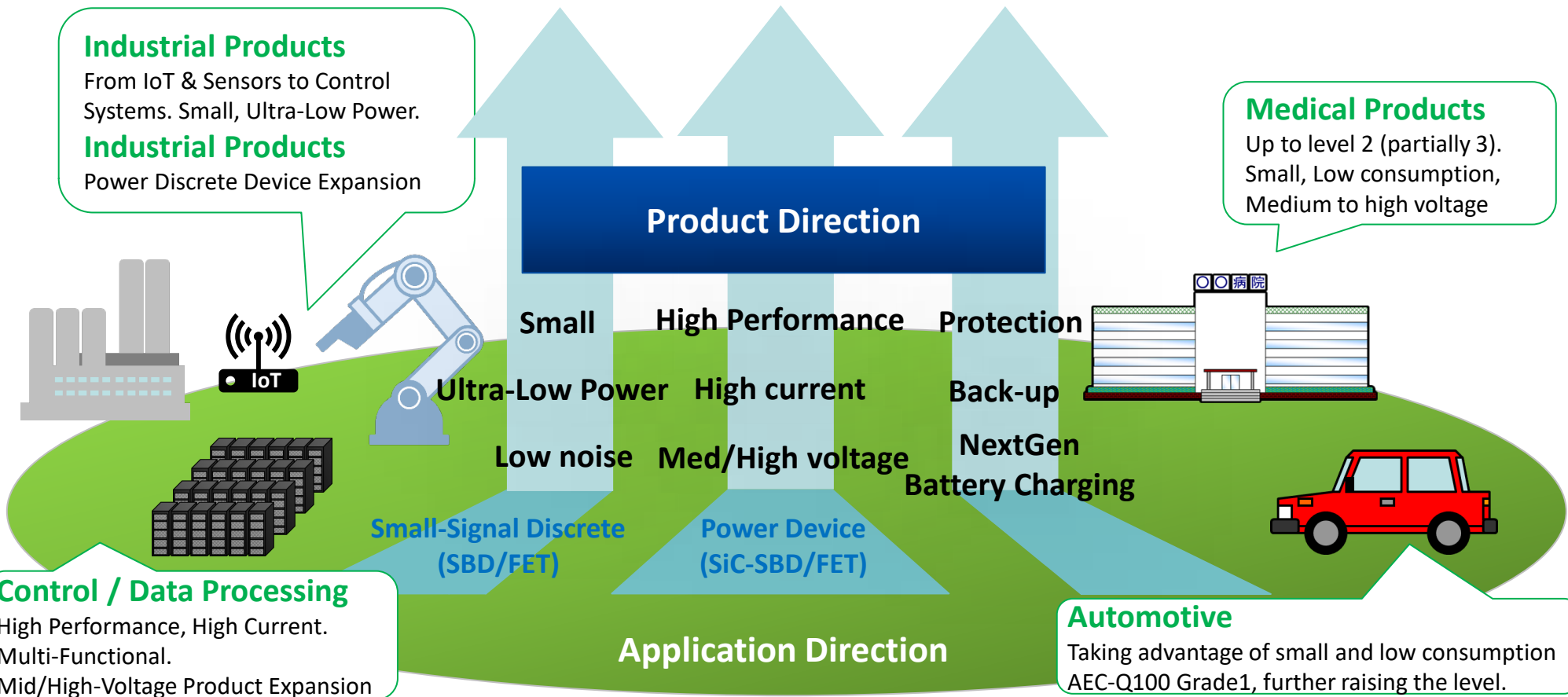
From IoT & Sensors to Control Systems. Small, Ultra-Low Power.

### Industrial Products

Power Discrete Device Expansion

### Medical Products

Up to level 2 (partially 3).  
Small, Low consumption,  
Medium to high voltage



### Control / Data Processing

High Performance, High Current.  
Multi-Functional.

Mid/High-Voltage Product Expansion

### Automotive

Taking advantage of small and low consumption  
AEC-Q100 Grade1, further raising the level.

## Application Direction

lineup for the power supplies of automotive, industrial, and consumer products including DC/DC converters, voltage regulators, and voltage detectors

**Built-in inductor DC/DC converter  
Micro DC/DC  
( XCL Series )**

- DC/DC converter with integrated inductor

**DC/DC converter**

- Wide lineups including Step-down, Step-up, etc.

**Voltage Regulator  
( LDO )**

- Low Iq and high-speed LDO
- Low to medium and high voltages, small to higher currents

**Voltage Detector,  
Watchdog Timer  
( Reset, WDT )**

- Ultra-low quiescent current in the nanoampere (nA) range, ideal for battery-powered applications

**TOREX Product Groups**  
Small size, High performance,  
Low Iq, Low noise

**Load Switch,  
Push Button Controller**

- From simple load SW to USB protection and ideal diode function
- Load SW to cut off power supply with Push Button SW for Preventing discharge during shipment / System power SW / Freeze measures

**Charger IC  
( Li-ion/Polymer & LTO batteries )**

- Small, simple, and All-in-One charger IC for Li-ion/Polymer batteries
- CV charging LDOs and multi-function All-in-One charger ICs optimized for solid-state and LTO batteries

**Automotive IC  
( XD Series )**

- AEC-Q100 compliant
- Available in wide range of products such as LDO, voltage detector, and watchdog timer utilizing TOREX's small, high-performance devices

**Discrete  
( MOSFET, SBD/SiC SBD, TVS )**

- MOSFETs, Schottky Barrier Diodes (SBDs), Transient Voltage Suppressors (TVS), and ZD/BD/SWD products for Power Management IC circuits and various applications
- Lineup includes SiC-SBDs using compound semiconductors

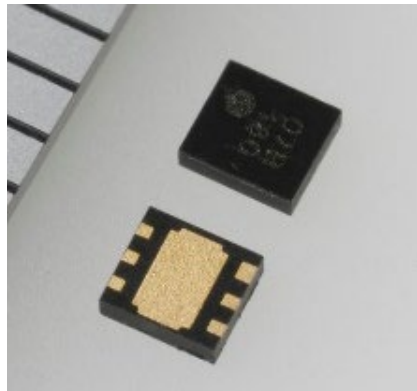
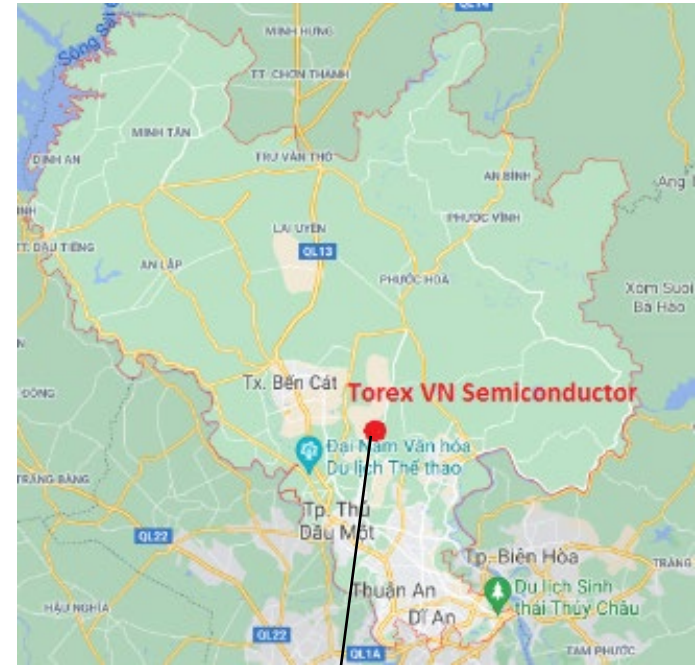
Our global network enables us to meet the diverse needs of our customers.



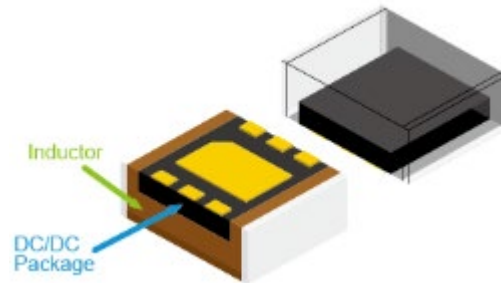
\* We also outsource production to partner factories outside the Group.

## TOREX Vietnam Semiconductor Co., Ltd

Established : 2008  
Employees : 132 employees (as of April 1, 2023)  
Product : Ultra Small Package (USP)  
          : Micro DC/DCs with Integrated Inductor  
Capacity : 24,800Kpcs/M  
Certificate related : ISO9001:2015  
                      : ISO14001:2015  
                      : IATF16949 - First Edition



Ultra Small Package (USP)



Micro DC/DCs with Integrated Inductor



## Phenitec Okayama 1<sup>st</sup> Fab

### Wafer Size

5-inch, 6-inch

### Clean Room area

Inspection

836m<sup>2</sup>

EPI / BM

1,521m<sup>2</sup>

FAB1

1,890m<sup>2</sup>

FAB2

873m<sup>2</sup>

FAB3

1,337m<sup>2</sup>

FAB4

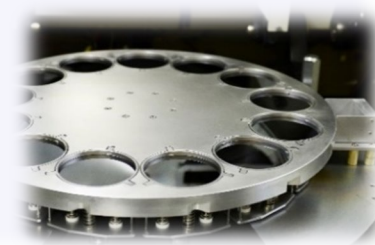
1,465m<sup>2</sup>

### Capacity

5-inch 30,000 wafers/M

6-inch 25,000 wafers/M

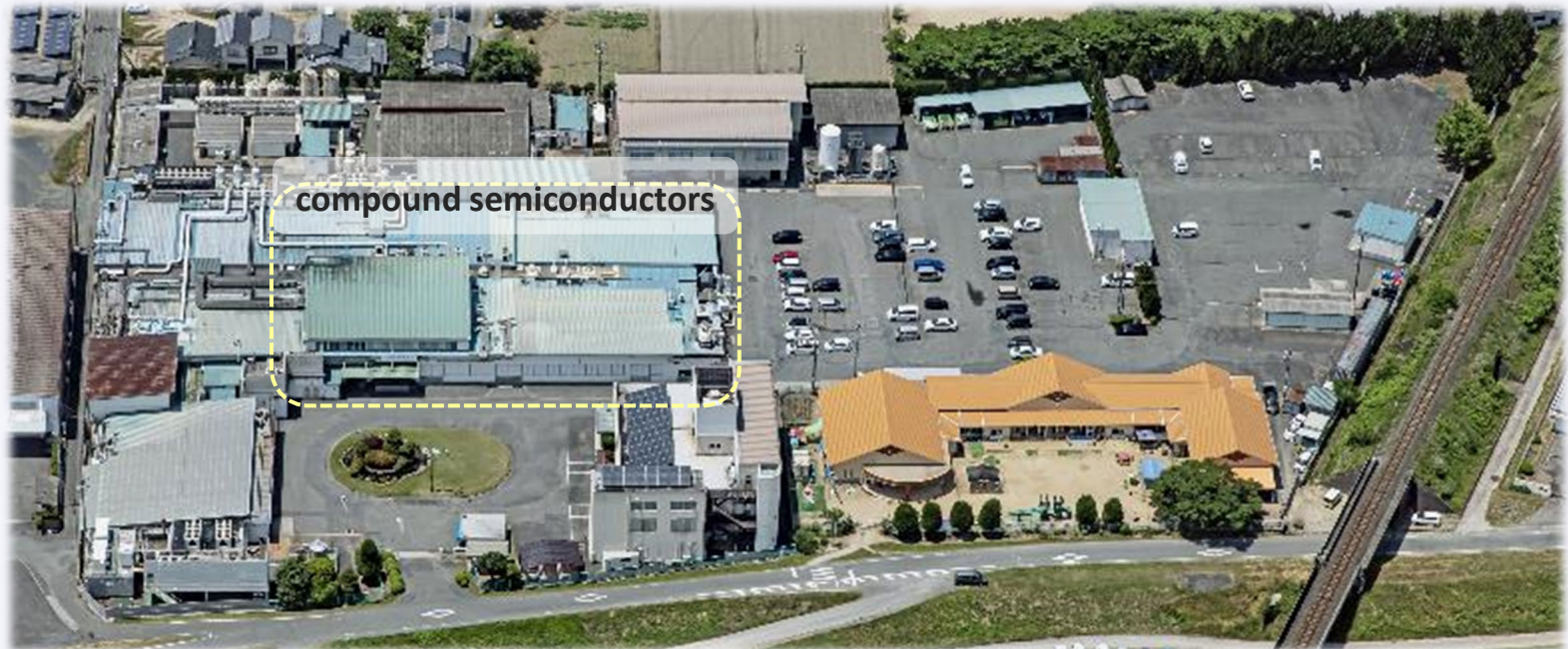
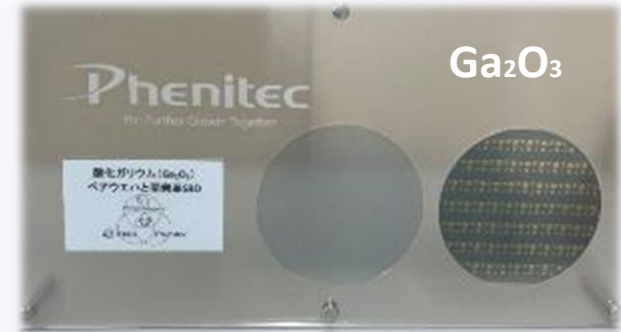
Epitaxy 30,000 wafers/M



## Phenitec Okayama 2<sup>nd</sup> Fab

### Business details

Primarily engaged in research and development of compound semiconductors ( $\text{Ga}_2\text{O}_3$ , GaAs)



## Phenitec Kagoshima Fab

Wafer Size

6-inch

Clean Room area

No. 5

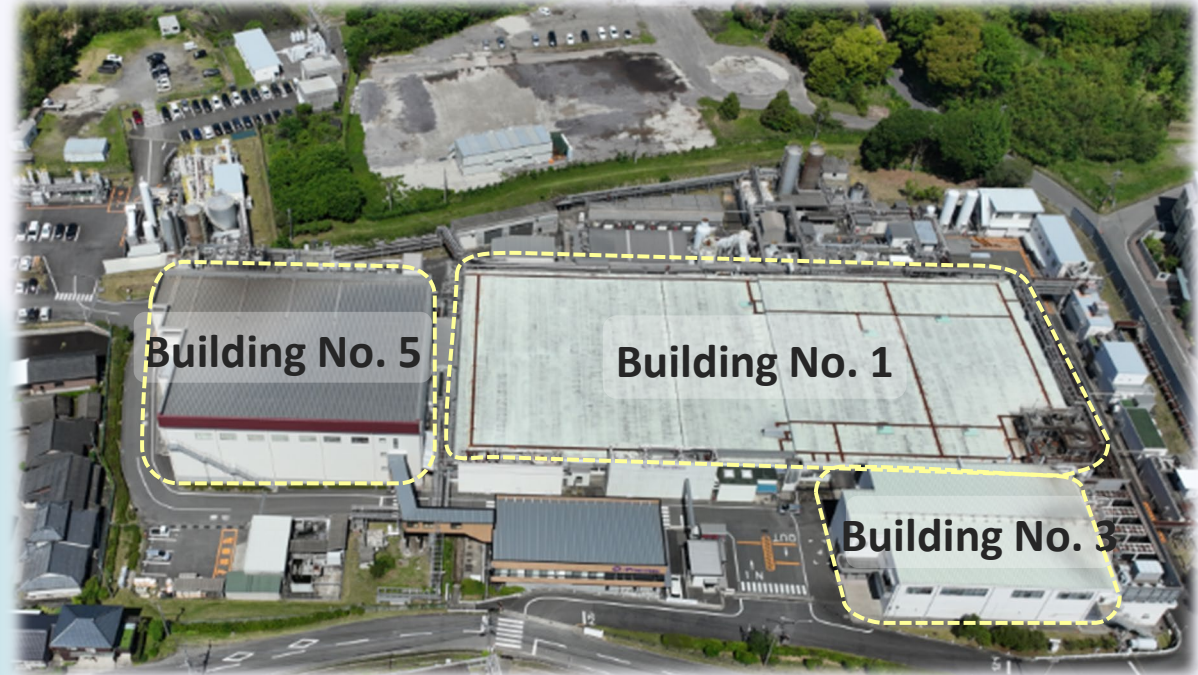
2,249m<sup>2</sup>

No. 1

3,329m<sup>2</sup>

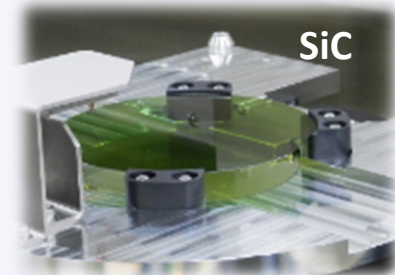
No. 3

667m<sup>2</sup>

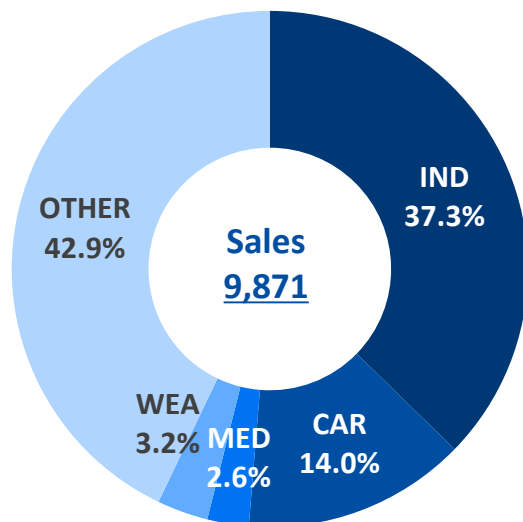


Capacity

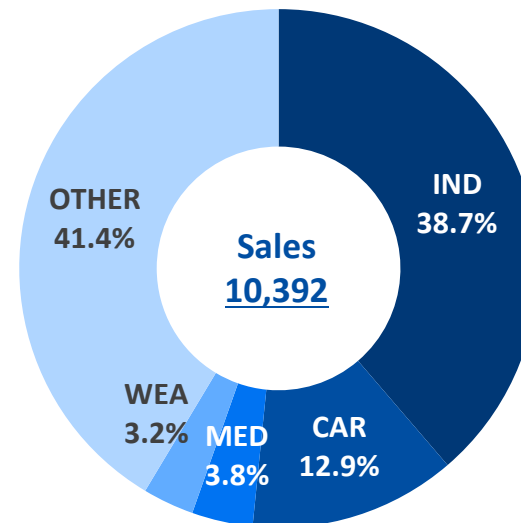
6-inch 19,000 wafers/M



SiC



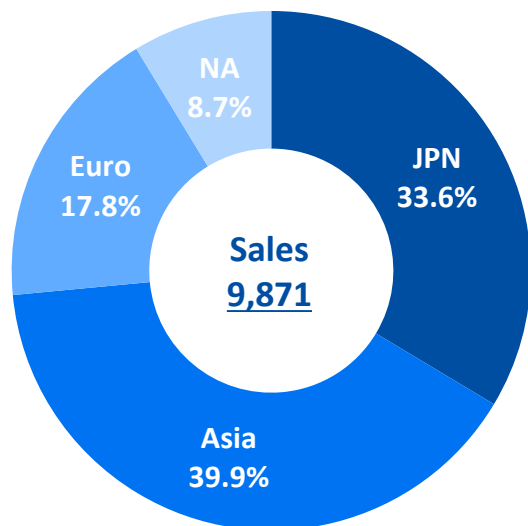
**FY2024 in total**



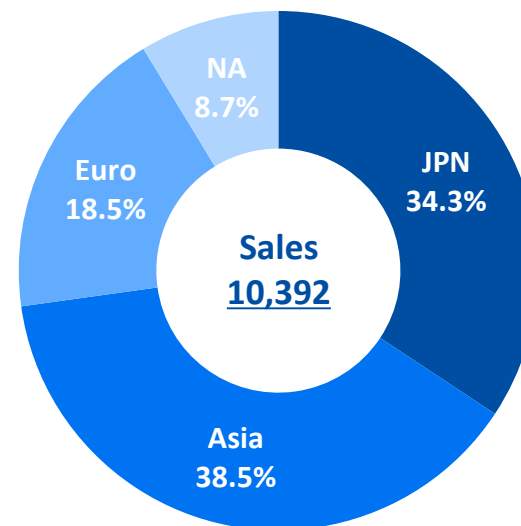
**FY2025 in total**

(Unit : million Yen)

Application		FY2024		FY2025		Year-on-Year rate
		Sales	Ratio	Sales	Ratio	
IND	Industrial	3,686	37.3%	4,007	38.7%	8.7%
CAR	Automotive	1,379	14.0%	1,344	12.9%	▲2.5%
MED	Medical	253	2.6%	399	3.8%	57.7%
WEA	Wearable	315	3.2%	337	3.2%	7.0%
OTHER	Others	4,238	42.9%	4,305	41.4%	1.6%



**FY2024 in total**

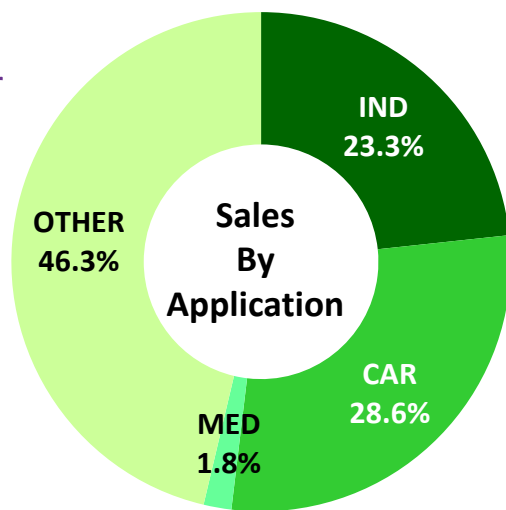


**FY2025 in total**

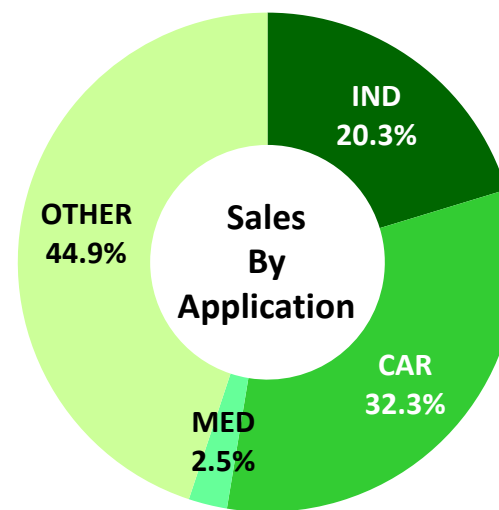
(Unit : million Yen)

Region (D-in)	FY2024		FY2025		Year-on-Year rate
	Sales	Ratio	Sales	Ratio	
Japan	3,317	33.6%	3,567	34.3%	7.5%
Asia	3,942	39.9%	4,000	38.5%	1.5%
Europe	1,754	17.8%	1,920	18.5%	9.5%
North America	858	8.7%	905	8.7%	5.5%
Avg. exchange rate (\$1=)	¥152.4		¥150.9		—

Region (D-in) : Regions where products incorporating our products have been planned, designed and ordered.



**FY2024 in total**

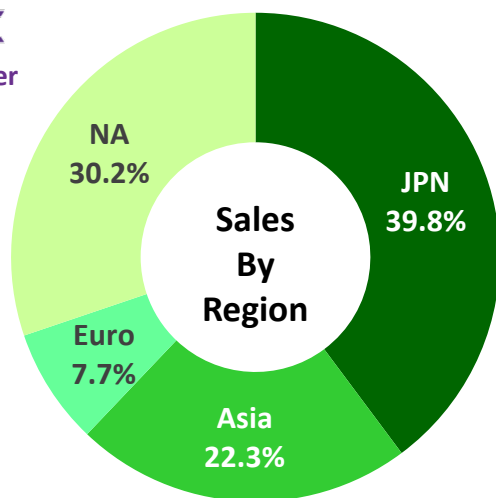


**FY2025 in total**

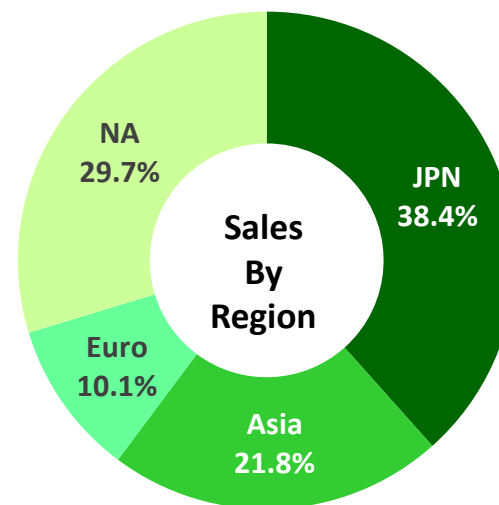
(Unit : million Yen)

Application		FY2024		FY2025		Year-on-Year rate
		Sales	Ratio	Sales	Ratio	
IND	Industrial	3,553	23.3%	3,326	20.3%	▲ 6.4%
CAR	Automotive	4,372	28.6%	5,286	32.3%	20.9%
MED	Medical	281	1.8%	409	2.5%	45.9%
OTHER	Others	7,060	46.3%	7,333	44.9%	3.9%

Includes transactions for TOREX Semiconductor.



**FY2024 in total**



**FY2025 in total**

(Unit : million Yen)

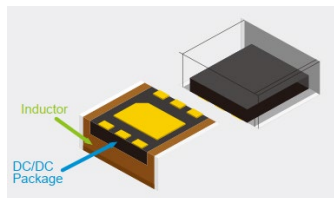
Region (Customer)	FY2024		FY2025		Year-on-year rate
	Sales	Ratio	Sales	Ratio	
Japan	6,073	39.8%	6,278	38.4%	3.4%
Asia	3,398	22.3%	3,559	21.8%	4.7%
Europe	1,182	7.7%	1,653	10.1%	39.8%
North America	4,613	30.2%	4,865	29.7%	5.5%
Avg. exchange rate (\$1=)		¥152.4		¥150.9	

Includes transactions for TOREX Semiconductor.

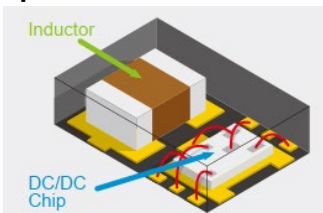
## Unique built-in inductor construction

for small size / low EMI

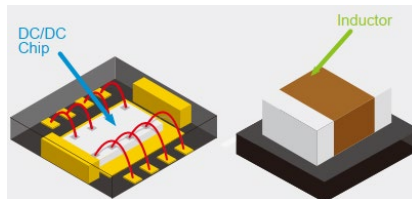
Pocket



Multiple



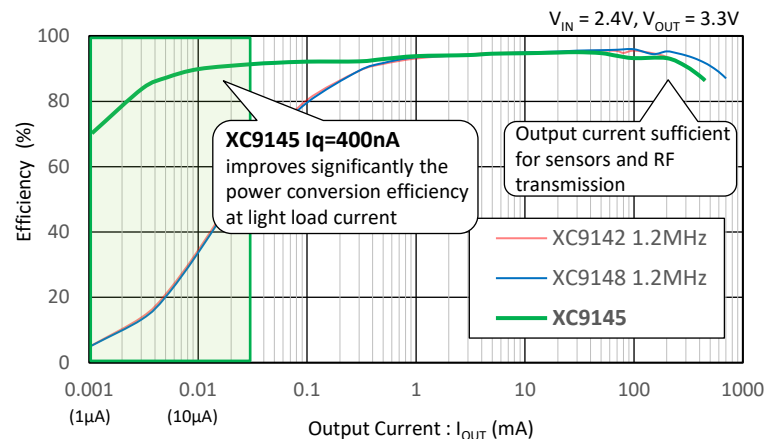
Cool Post



## Low power consumption technology

Ultra-Low Quiescent Current 400nA Step-up DC/DC : XC9145 series

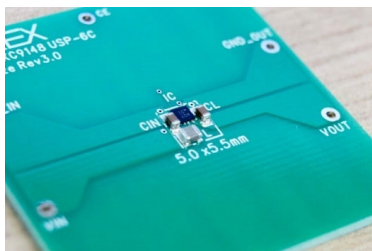
Significantly improved light-load efficiency compared with conventional products



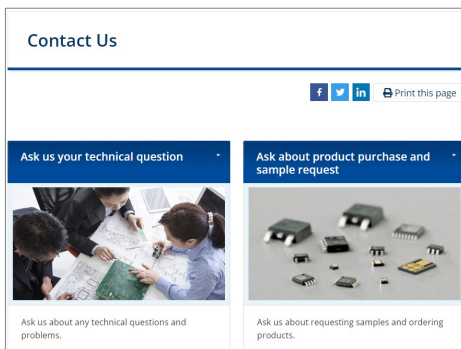
## Technical support

We can support your individual inquiries such as "schematic verification" or "PCB layout verification".

For evaluation boards, we provide "evaluation boards optimized for power supply specifications" by selecting "the most suitable IC" and "peripheral components" according to the power supply specifications.



Example of evaluation board



## Awards

"The Super Monozukuri Parts Grand Award 2025"

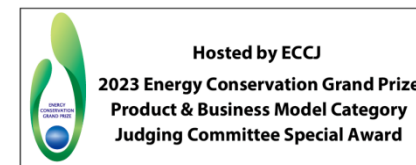
by Monozukuri Nippon Conference and The Daily Industrial News



XC9704 / XC9705 Series  
 High Voltage 36V/600mA  
 Compact Size  
 Step-Down DC/DC Converter

"2023 Energy Conservation Grand Prize"

by The Energy Convention Center, Japan



XC8110/XC8111 Series  
 Load Switch IC with Ideal Diode Function



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