



Innovations
Through
Technology

Corporate Introduction



ROHM Co., Ltd.

Corporate Data

COMPANY MISSION

Quality is our top priority at all times.

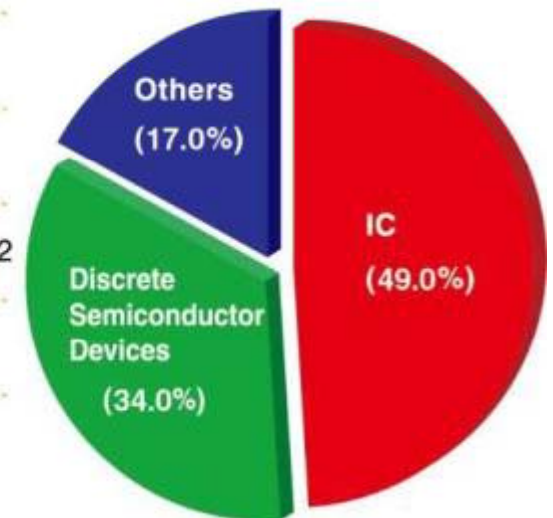
Our objective is to contribute to the advancement and progress of our culture through a consistent supply, under all circumstances, of high quality products in large volumes to the global market.



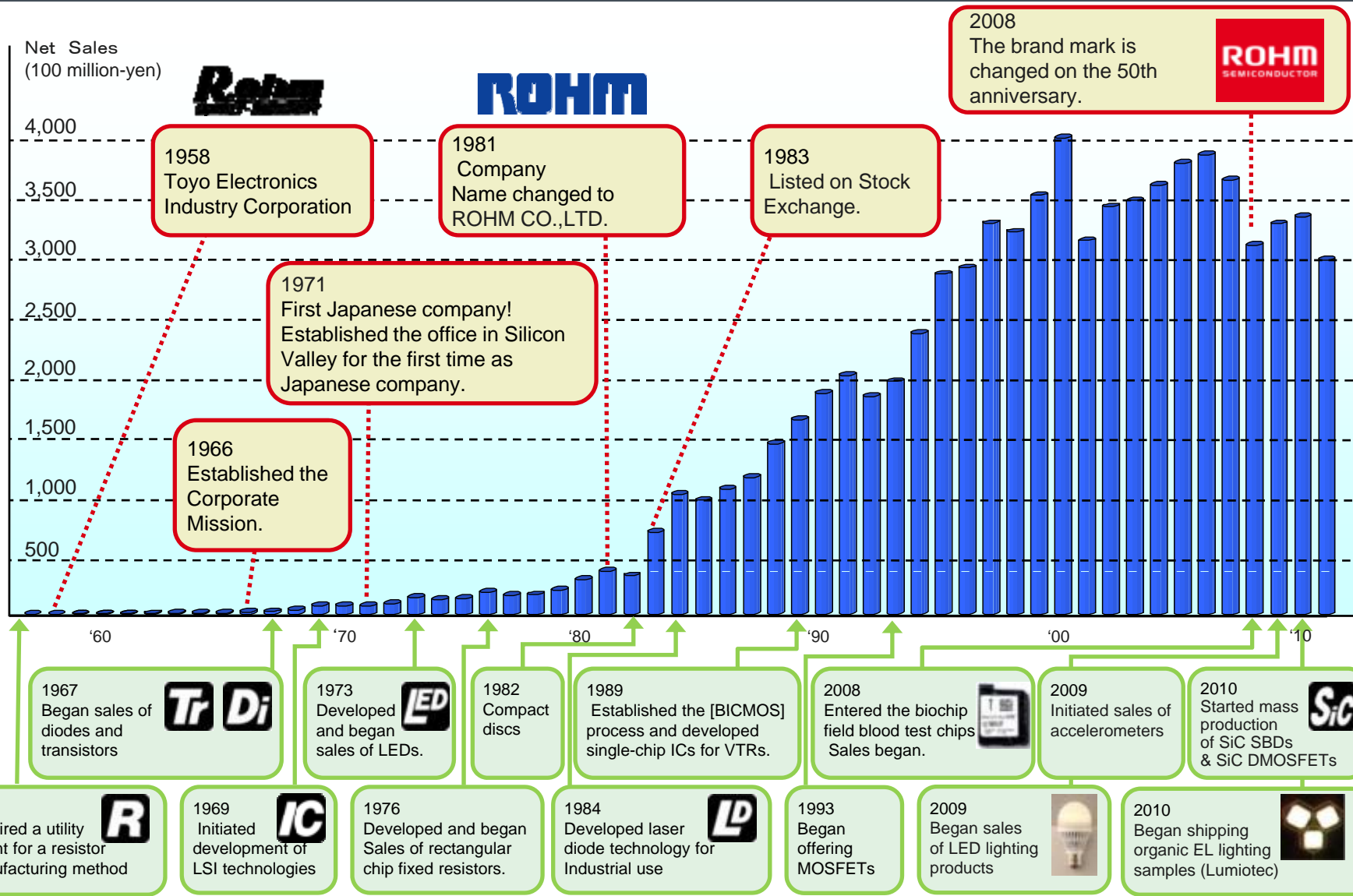
ROHM Co.,Ltd.

■ Establishment	September 17, 1958
■ Paid-in Capital	¥86,969 million as of March 31, 2012
■ President	President / Satoshi Sawamura
■ Net Sales	¥304,652 million year ended March 31, 2012
■ Number of Employees	21,295 as of March 31, 2012
■ ROHM Group Companies	Japan 11 , Global 25

Sales by product category
(Consolidated)



Company History



Next 50 Continue to face new challenges



Miyagi / Miyazaki /
Shinyokohama Japan

LAPIS
Semiconductor Co., Ltd.



Industry leader in communication ICs, low power microcontrollers, voice synthesis ICs, and other digital products. New products and applications are being developed by utilizing ROHM technologies as well.

From 10/2008



Nürnberg Germany

SiCrystal AG



A global SiC wafer manufacturer that utilizes an intergrated production system from material preparation and fuses fundamental technologies with the latest advancements to provide high quality IC power devices.

From 7/2009



Ithaca NY U.S.A.

Kionix, Inc.



The industry's 3rd largest manufacturer of compact accelerometers that incorporates MEMS technology in order to provide market-leading sensors.

From 11/2009



Hyogo Japan

AGLED Co., Ltd.



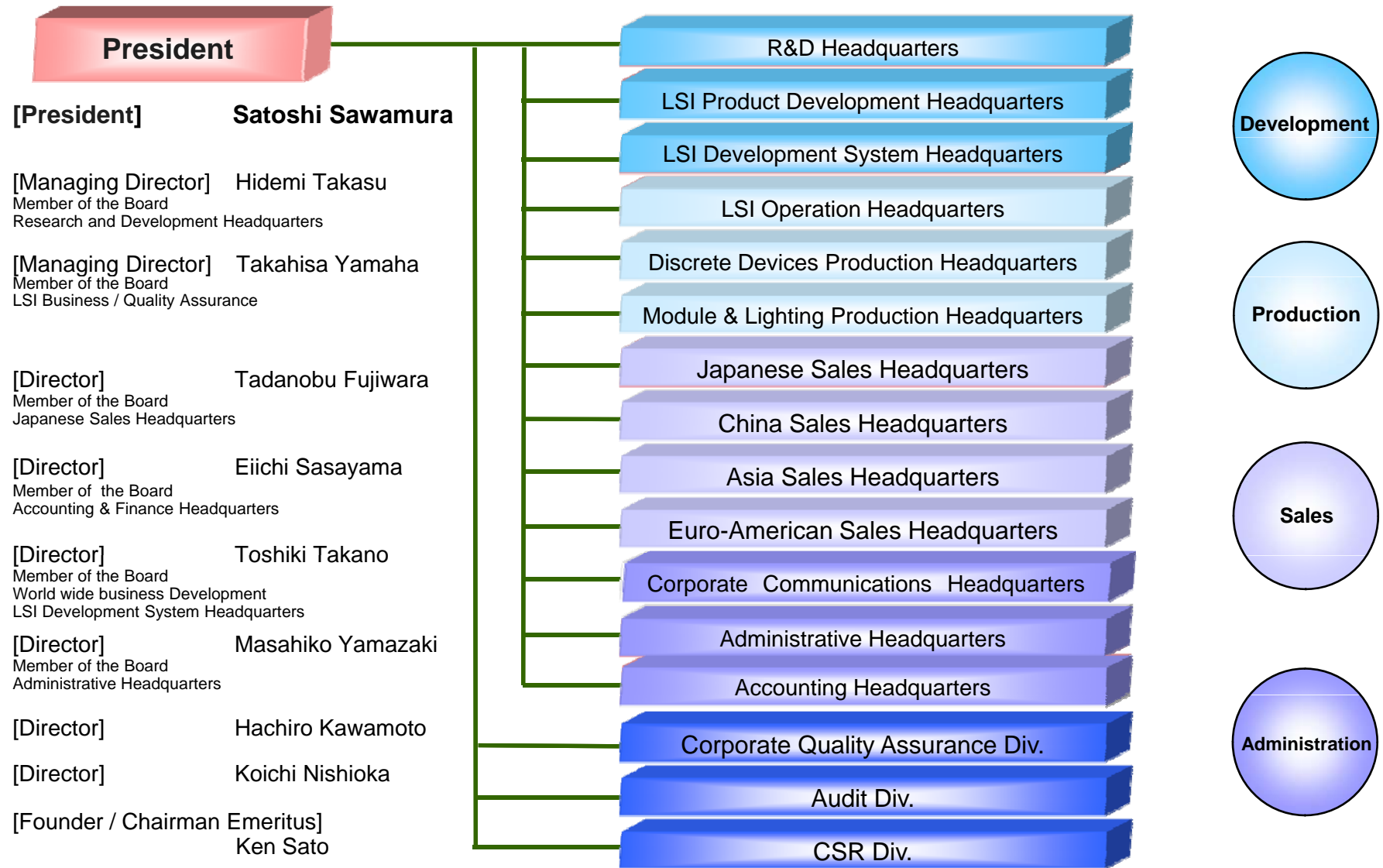
Supplier of lighting equipment since 1921. ROHM's semiconductor expertise is reflected in its lighting products, which are garnering increased attention.



From 10/2010



Organization chart



R&D HQ

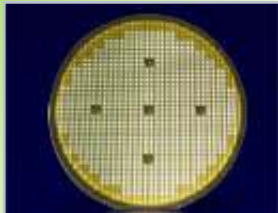
◆ Developing novel devices

ROHM pursues constant innovation in its quest to cultivate new technologies, open up new markets, and develop superior products. R&D is performed in a variety of areas utilizing disparate technologies and expertise from multiple disciplines for unmatched synergy.

R&D Project Examples

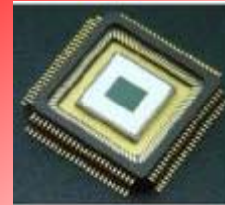
SiC Power Devices / AlGaIn GaN Heterojunction

New materials are used for higher efficiency, greater performance, and improved functionality in a smaller size.

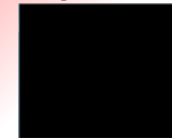


CIGS Image Sensors

CIGS, which is garnering increased attention as a next-generation material for solar batteries, is used as a photoconversion element in the development of high sensitivity, wide-range image sensors.



Images Taken in the Dark (0.001 lux)



Si-CMOS Sensor



CIGS Image Sensor

Biochips

The industry's first trace blood analyzer using a uTAS measurement chip with liquid reagents was developed.



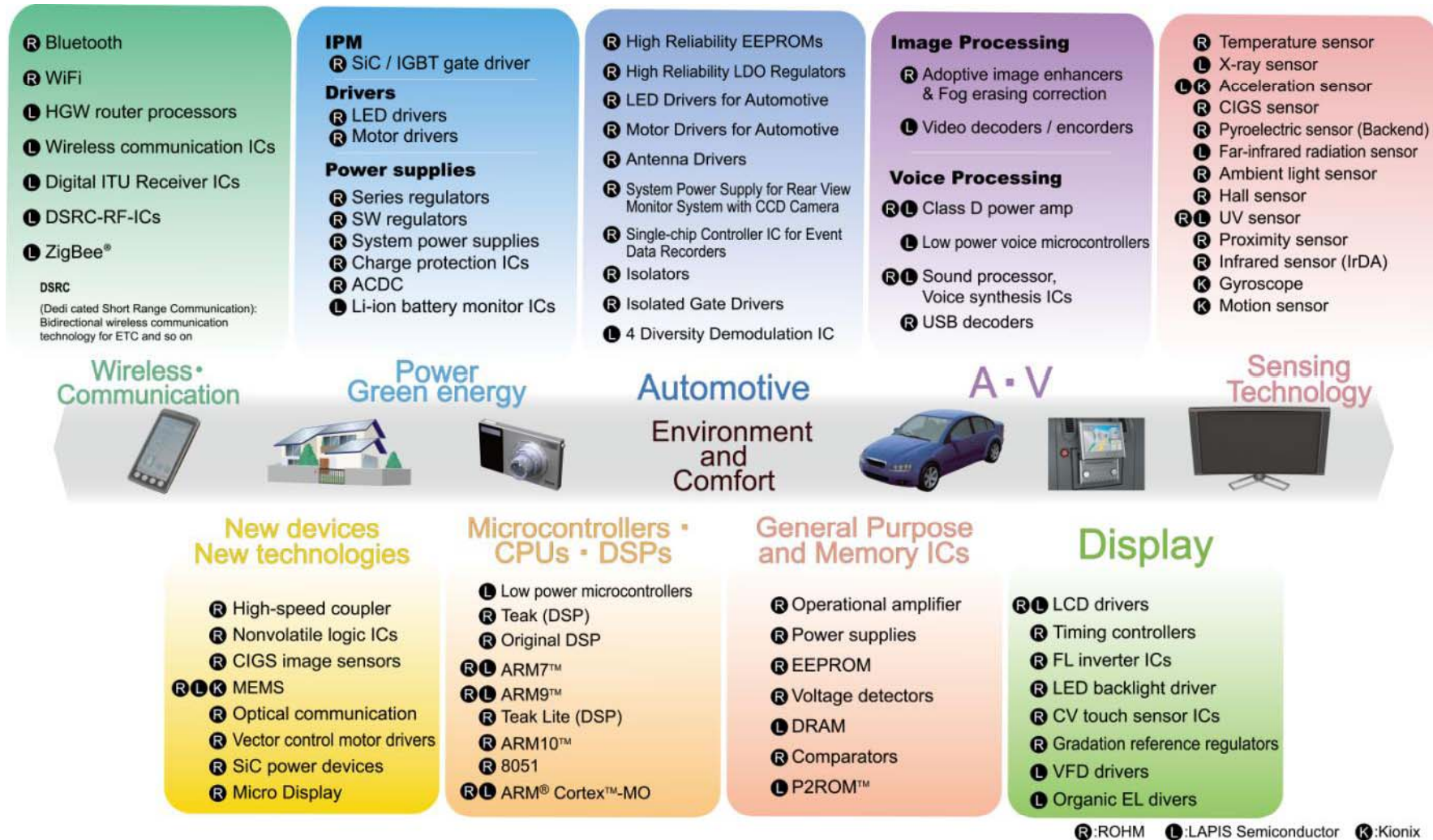
Flexible Organic EL

Organic EL technology features lower power consumption and greater transport efficiency for improved energy savings, enabling the development of thinner displays than plasma or LCD technologies.



LSI Product Development Headquarters

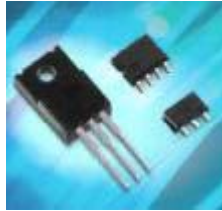
The entire organization is structured by market and application



Discrete Production Headquarters / Module & Lighting Production Headquarters

Discretes - Passives

Completely in-house processing ensures consistent, stable supply of high quality products that meet market needs, including high reliability, high power components.



• Transistors



• Diodes



• Resistors



• Tantalum Capacitors



• SiC

Optoelectronics

Advanced compound technology is utilized to develop a wide array of optical semiconductor products.



• LEDs



• Laser Diodes



• Photolink Modules



• Optical Sensors

Modules & Lighting Modules

A wide range of market-tested modules is offered featuring ROHM's renowned reliability, created using expertise and experience garnered through 50 years as a manufacturer of semiconductor products of all types.



• LED Lighting Modules



• Contact Image Sensors



• Power Modules



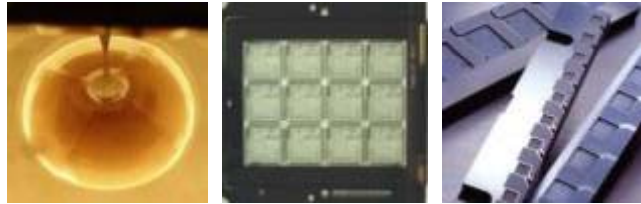
• LED Displays

• Thermal printheads

Integrated Streamlined Production System

Fully Integrated Development

All development phases, including ingot extraction, photomasking, lead frame formation, and the creation of metal molds, are integrated into a uniform process, resulting in unsurpassed quality.



SILICON INGOT



CAD



IP CORE



PHOTO MASK



ON SITE PLANT



300mm LINE



WAFER



FRAME



ASSY LINE



STACKED PACKAGE

In-house Manufacturing

Completely in-house manufacturing provide the capability to meet changing demands and ensure consistent quality



▲ROHM-designed production equipment



▲In-house wire bonding process




Manufacturing Factories in Japan



**Headquarters
(Kyoto)**

IC Tr LED LD


Wafer Product factory



**ROHM Hamamatsu
Co., Ltd.
(Shizuoka)**

IC LED

Wafer Product factory



**ROHM Wako Co., Ltd.
(Okayama)**

IC Di

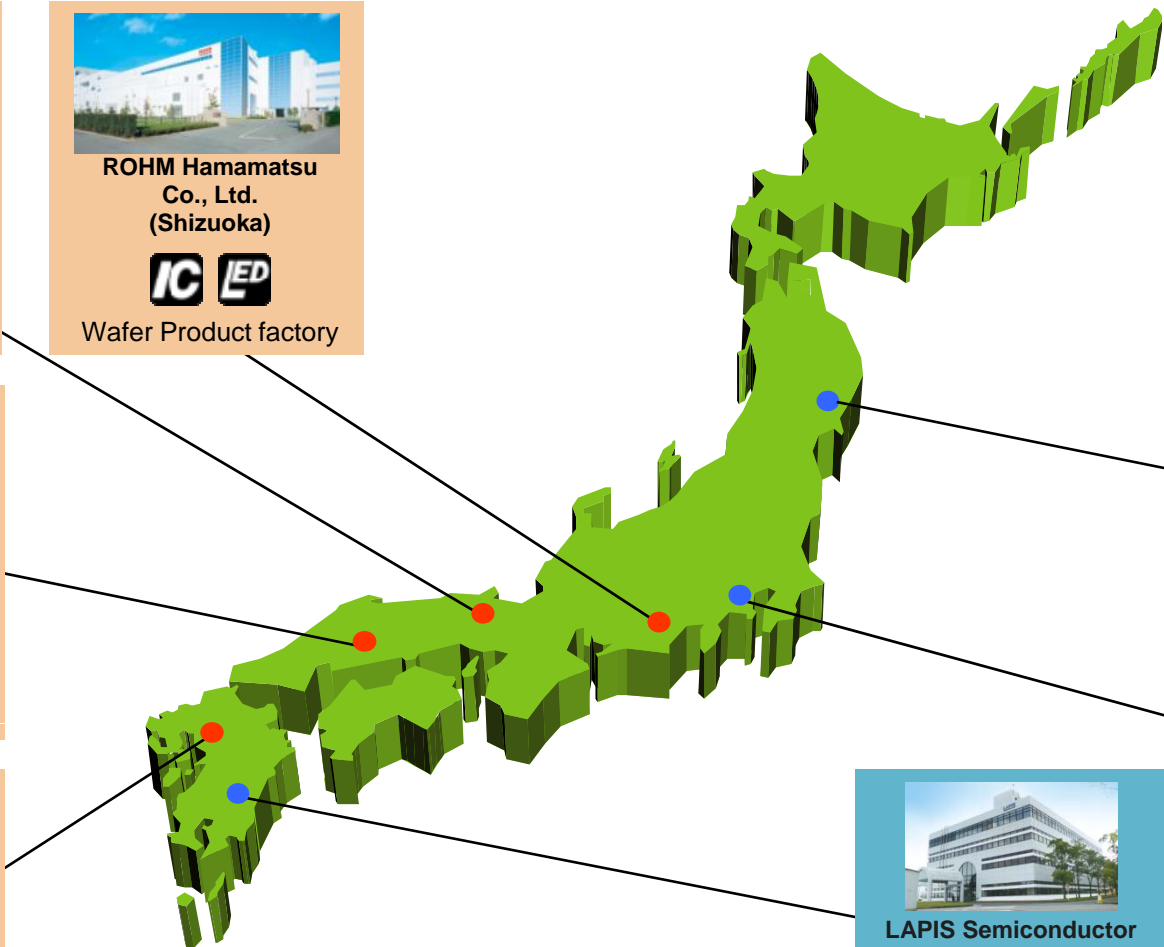
Wafer Product factory



**ROHM Apollo Co., Ltd.
(Fukuoka)**

IC Tr Di Tc S.c

Wafer Product factory




**LAPIS Semiconductor
Miyagi Co., Ltd.
(Miyagi)**

IC

Wafer Product factory



**LAPIS Semiconductor
Miyazaki Co., Ltd.
(Miyazaki)**

IC

Assembly factory
Wafer Product factory



**LAPIS Semiconductor
Co., Ltd.
(Shinyokohama)**

IC

Development,
Production control



Manufacturing Factories in Asia

**Our policy is
to manufacture locally**



**ROHM Electronics
Philippines, Inc.**



Assembly factory



**ROHM Integrated Systems
(Thailand) Co., Ltd.**



Assembly factory



**ROHM-Wako Electronics
(Malaysia) Sdn. Bhd.**



Assembly factory



**ROHM Electronics
Dalian Co., Ltd.**



Assembly factory



**ROHM Semiconductor
(China) Co., Ltd.**



Assembly factory



ROHM Korea Corporation



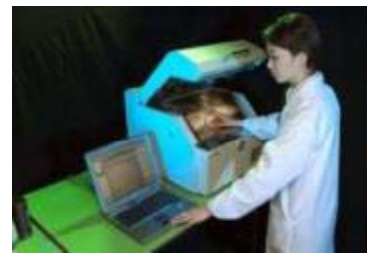
Assembly factory



Quality Assurance

Quality is Our No. 1 Priority

Quality has been the guiding principle since day one and continues to provide the basis for management practices at all ROHM companies and facilities worldwide



Quality Assurance Center

ISO16949 Certification(2005)



In 2007 ROHM was awarded certificates of compliance with ISO/IEC17025 (an international testing standard) for both the ICP-AES (Inductively Coupled Plasma-Atomic Emission Spectroscopy) and XRF (X-Ray Fluorescence) analysis methods.



•ROHM is the first company in Japan to be certified for two testing methodologies

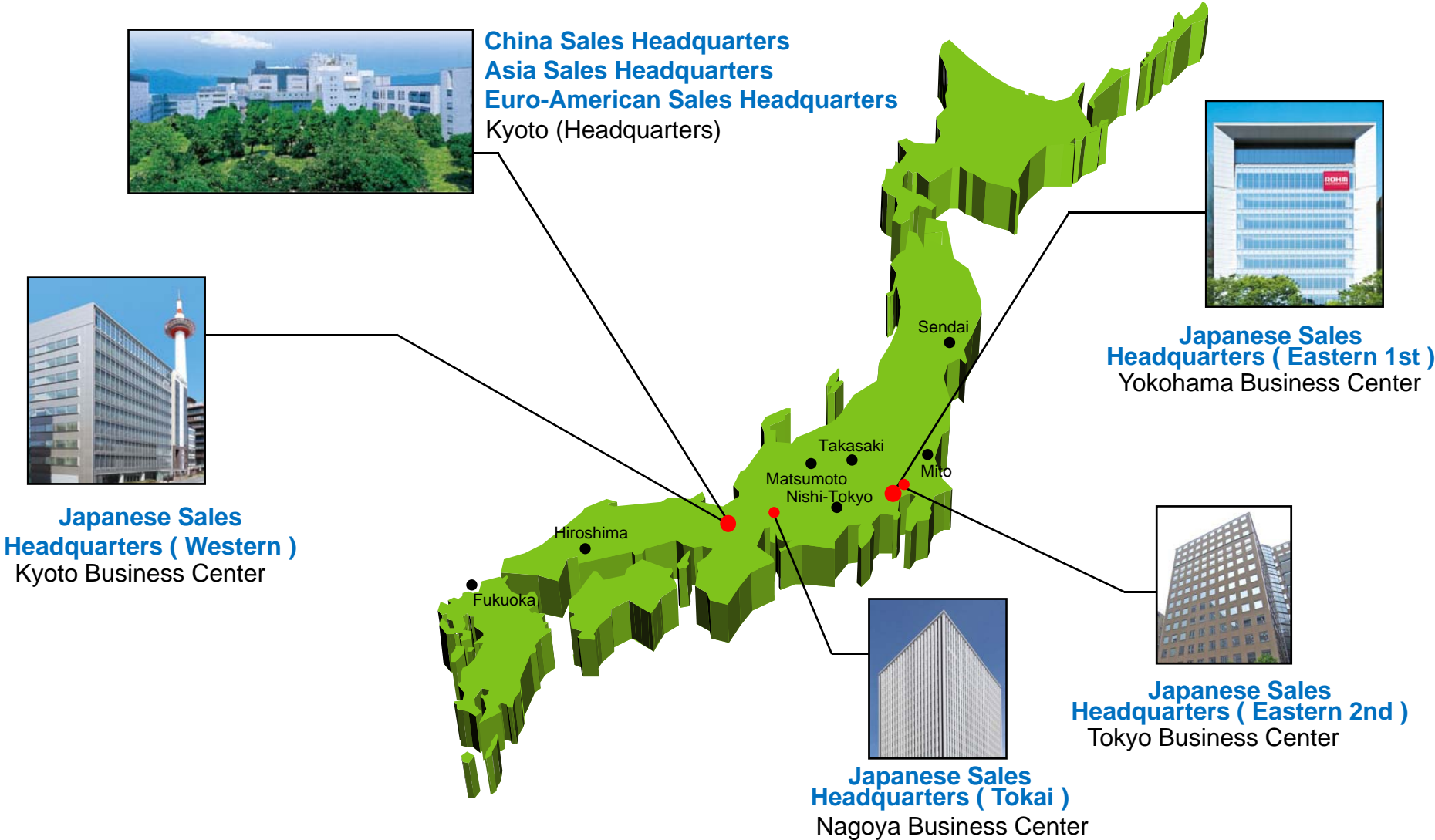


Technology / Design / QA Centers

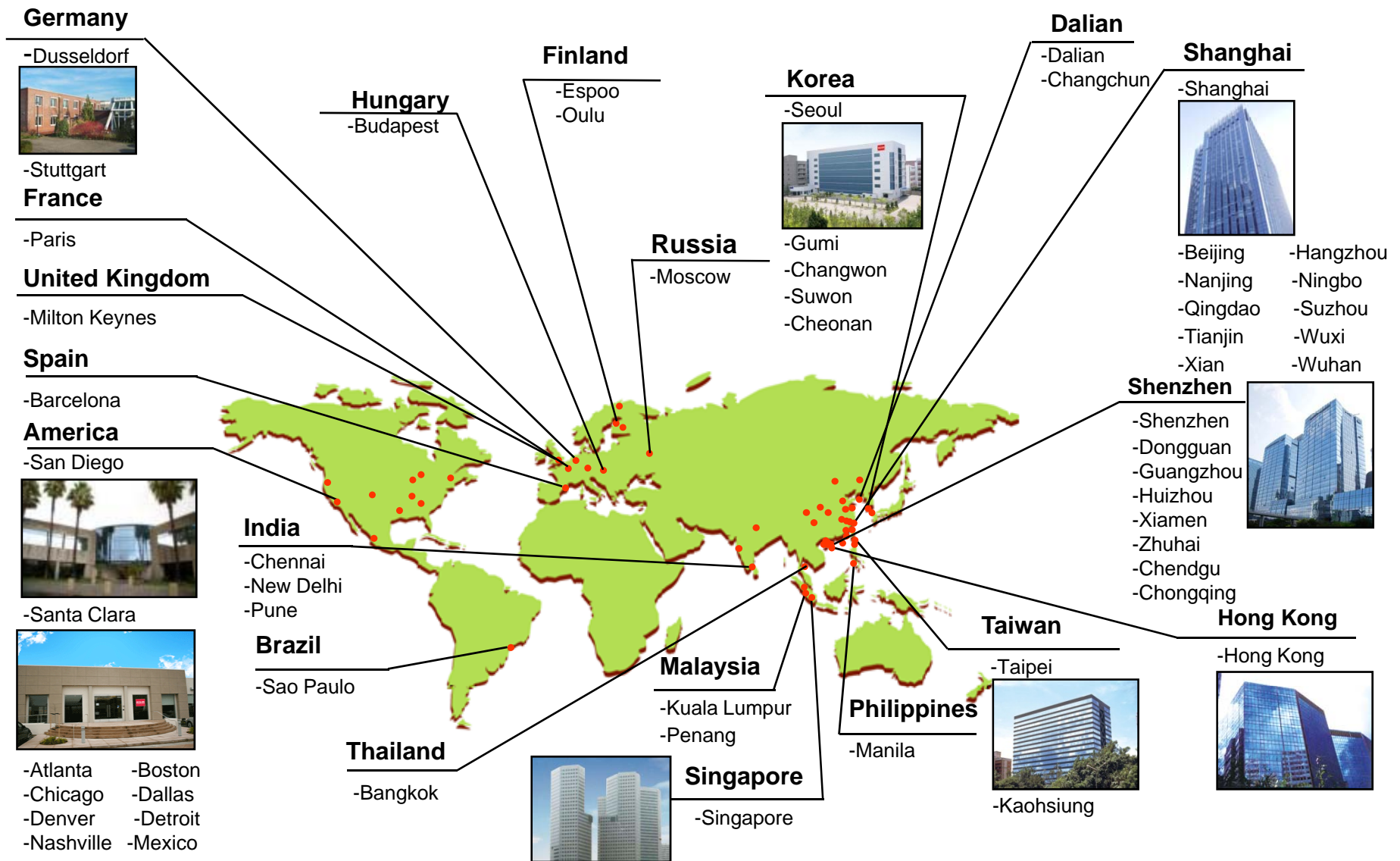
Same-day Response to Quality Complaints (First response within 24 hours)



Japanese Sales Offices



Overseas Sales Network



Coexisting with the Environment

Environmentally Friendly Manufacturing

2004

100% lead-free products



RoHS compliance

ROHM products are certified to be free of lead, mercury, cadmium, hexavalent chromium, and bromide flame retardants (PBB, PBDE)



2008

Halogen-free Technology completed



2009

Compatible with REACH SVHC

Completely eliminate the use of silica gel containing cobalt chloride

2011

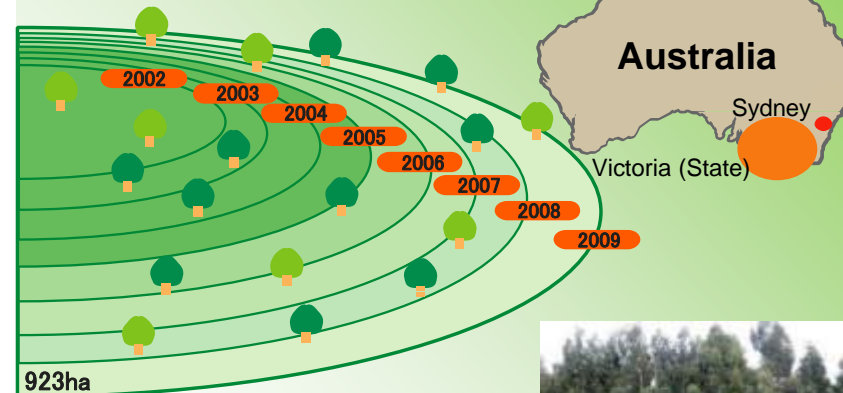
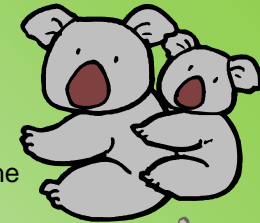
Participated in the UN's Global Compact



Environmental Preservation Activities

Reforestation Activity: The ROHM Forest

A total reforestation area of 923ha has been successfully achieved (190 times the area of the Tokyo Dome), offsetting yearly CO2 production due to manufacturing.



5-year-old eucalyptus trees

Industry-Academia Partnership



Ritsumeikan University
ROHM Plaza at Ritsumeikan University
(Est. April 2000)



Shiga
Japan

Promoting hardware-based (i.e. integrated circuit design) education and research



Doshisha University

ROHM Plaza at Doshisha
(Est. September 2003)



Kyoto
Japan

Developing software engineers with an emphasis on information media



Kyoto University

ROHM Plaza at Kyoto University
(Est. May 2005)



Kyoto
Japan

Promoting research on the physical properties of next-generation devices



Tsinghua University

ROHM Electrical Engineering Hall at Tsinghua
(Est. April 2011)



Beijing
China

Promoting comprehensive, collaborative research in a variety of fields, including the bio sector

Innovative products are currently being developed in collaboration with a number of research labs

Power Devices

The University of Arkansas (U.S.A)
Kyoto University
Osaka University
Xi 'an Jiaotong University (China)
Tongji University (Shanghai China)

Bio Sector

Kyushu University
Tsinghua University
Iwate University

Organic EL

Yamagata University
Kyushu University
Kanazawa Institute of Technology

Photonics Devices

University of California
Tsinghua University
Kyoto University



Contributing to Society

Cultural Activities

ROHM Music Foundation

The ROHM Music Foundation strives to cultivate young minds and enrich the social tapestry through music. Numerous seminars and festivals, featuring the world's most renowned musicians, are held to promote classical music as well as nurture young, up-and-coming talent.

Seiji Ozawa Ongaku-juku Performance



Scholarships for Young Musicians



A total of 290 scholarships were awarded from 1991 to 2004.

Music Seminars



Sponsoring music seminars featuring the world's top musicians since 1992.

Kyoto International Music Students Festival



Music students all over the world have been invited to Kyoto every year since 1993.

ROHM and Intel

Started being an eco-system partner as IOH, PMIC and CGIC vendors for Intel Atom E600-series



For embedded systems
Chipset &
Reference Board
for Intel® Atom™
Processor
E600 Series

BU7335MWV
ML7213
ML7223(V)
ML7831
BD9594AMWV
BD9591AMWV

Intel® Atom™
Processor E600
Series

Halogen Free
Pb Free
RoHS

And, followed by a PMIC for Bay Trail-T (Atom-based tablet platform)

ROHM announces development of a Dedicated System Power Management IC to Support Intel's latest Atom™ based platform

2013-03-04

Kyoto, Japan, March 4th 2013 – ROHM Co., Ltd. (TSE: 6963) has announced the development of a dedicated system power management IC (PMIC) to support Intel®'s latest Atom™-based platform, code name "Bay Trail". A highly integrated power management solution with industry leading power efficiency, ROHM's PMIC is targeted towards ultra-thin form factor tablet and convertible devices.

