ROHM SEMICONDUCTOR

ROHM Group Report 2017

ROHM Co., Ltd.

ROHM Group Report 2017

The ROHM Group has communicated the Company Mission to its employees since its establishment in order to become a company that can be trusted and relied upon by society

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.

Policies to achieve the Company Mission are laid out and serve as guidelines for all business activities

BASIC MANAGEMENT POLICY

Secure reasonable profit through a concerted company-wide effort for a comprehensive quality assurance program. Develop globally leading products by improving upon technologies held by each department for continued advancement of the company.
Maintain healthy and vigorous lifestyles and refine intellect and humanitarianism, hence contributing to society.
Search extensively for capable human resources and cultivate them as cornerstones for building long-term prosperity.

BASIC QUALITY ASSURANCE POLICY

1. Promote internal standardization for the whole company and establish structures for QC management by data.
2. Conduct comprehensive and continuous research for the development of new technologies and products.
3. Proactively utilize methods of statistical control for all areas of company activities.
4. Establish quality assurance structures for all manufacturing processes.
5. Exert effort for cost reductions of each product by continual modernization of manufacturing systems.
6. Secure quality assurance programs of raw materials and components with our suppliers through contracts.

BASIC GOALS FOR EDUCATION AND TRAINING

1. Develop personnel at all levels to constantly strive to obtain new knowledge and to acquire empirical reasoning ability from a broad perspective.
2. Train staff to be dedicated as leaders in their field by utilizing their knowledge and experience.
3. Develop personnel who can overcome any adversity and strive towards achieving targets.
4. Train staff to place the highest value on teamwork, resulting from the combined efforts of all individuals.

BASIC POLICY FOR EDUCATION AND TRAINING

1. All employees will use every available opportunity to enhance self-development.
2. Those in leadership positions will exemplify model behavior at all times.
3. The emphasis of education is on-the-job training led by the supervisors through daily operations. Supplementary training off the job is also provided.
4. Each head of all management levels will appraise staff fairly and conduct effective training programs periodically and consistently.
5. Appraisals for each head of all management levels is based, as a general rule, on the success of staff education and training.

Although the environment surrounding the company has changed with the emergence of an information-based society and increased diversification of values, these policies remain unchanged and serve as the driving force and foundation of all business activities.

Message from the President

Achieving Sustainability

The idea of CSV (Creating Shared Value) to solve various social issues and put corporate activities into practice is gaining ground on a global scale.

For ROHM these initiatives are not new by any means, as we have contributed to the advancement of culture since our founding by providing innovative, high quality products based on our Company Mission.

And although the scale of our company and business environment have changed significantly over the 60 years since ROHM was established, our philosophies remain unchanged, becoming a part of our DNA.

Going forward, the ROHM Group will continue to pursue our Company Mission and Basic Management Policy while contributing to society by improving quality in all areas and taking on new challenges.

'Quality First' - Unwavering since our founding

ROHM offers a number of products that have become key devices in a wide range of fields, including the automobile industry which is experiencing increased innovation, the industrial equipment and home appliance markets where energy conservation and IoT conversion are required, and the rapidly evolving IT sector.

Supporting our product development is a vertically-integrated production system in which all steps, from development to production, are implemented within the Group. "Quality is our top priority at all times" has become our mindset from the very beginning and one which we continue to maintain and protect.

Injecting a high level of quality into every process ensures reliable traceability and an optimized supply chain, allowing us to contribute not only through our products but through our manufacturing system as well that guarantees stable delivery. In addition, ROHM offers an one-stop shop by providing a wide lineup that ranges from resistors and discrete products to ICs and modules.

We are focusing our efforts into providing solutions that leverage the full capabilities of the ROHM Group, which includes LAPIS Semiconductor and Kionix, in order to solve the major challenges faced by society and our customers.

Four growth solutions for solving social issues

Analog solutions are at the core of what we offer. We combine digital and software technologies with industry-leading analog expertise to deliver high efficiency, high accuracy power supplies and motor drivers.

By taking advantage of power device technology centered on cutting-edge SiC along with power solutions that combine control IC and module technologies to maximize the performance of these devices, ROHM contributes to increased energy conservation and miniaturization in the automotive and industrial equipment fields.

Meanwhile, in the field of IoT, which is undergoing considerable expansion, in addition to a broad variety of sensors we are developing sensor solutions that fuse control and wireless communication technologies. ROHM promotes technological innovation in a diverse number of fields, together with thin, ultra-compact electronic components for mobile solutions featuring increasingly advanced functionality.

Maintain healthy and vigorous lifestyles and refine intellect and humanitarianism in order to make meaningful contributions to society

More than anything, it is 'people' that make the greatest contribution in all corporate activities, and this word can be found in our basic management policy. We also believe that it's also important to create an environment in which human resources possessing diverse values and ideas can fully demonstrate their individuality and abilities in an increasingly globalized society.

The ROHM Group will continue to develop balanced human resources that combine rich humanity and intellect, create innovation through various exchanges, and provide high quality products that will meet the expectations of our stakeholders.

June 2017

Satoshi Sawamura

Satoshi Sawamura, President

Quality

Vertically Integrated Production System

Quality is incorporated into every process of our vertically integrated production system, from ingot pulling to finished products, embodying our pursuit of 'Quality First'.

We are further strengthening our activities to achieve the best production facilities in the world, for example through our proprietary ROHM Production System (RPS) that provides unparalleled quality by thoroughly removing all waste generated during operation, transportation, and delays.

High Quality

In pursuit of 'Quality First', we are engaged in activities to enhance quality in all processes, from development and production to marketing and services, throughout the entire Group.

Stable Supply

We ensure long-term, stable supply to ensure worry-free use of our products, utilizing our integrated production system that is less susceptible to external factors.

Raw Materials

Wafer production from silicon ingot pulling

Raw silicon

Production Site: ROHM Apollo Co., Ltd. (Japan)

In-House Photo Mask

Pursuing high quality through integrated quality control, from IC chip design layout to photo mask production
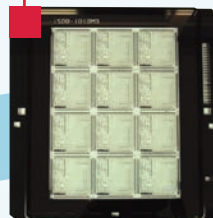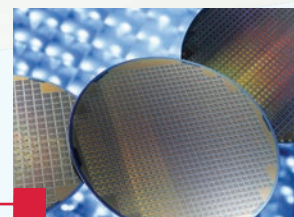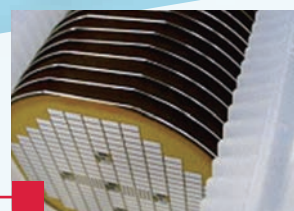
Si
Silicon

Silicon Ingot

CAD

Photo Mask

Wafer

Wafer Process

SiC
Silicon Carbide

SiCrystal

Wafer Process

Developing innovative devices from the wafer process, centered on our production facilities in Japan

ROHM Hamamatsu Co., Ltd.

Production Sites:

(Japan)	ROHM Co., Ltd.
	ROHM Hamamatsu Co., Ltd.
	ROHM Wako Co., Ltd.
	ROHM Apollo Co., Ltd.
	LAPIS Semiconductor Co., Ltd.
	LAPIS Semiconductor Miyagi Co., Ltd.
	LAPIS Semiconductor Miyazaki Co., Ltd.
	ROHM Shiga Co., Ltd.
(U.S.)	Kionix, Inc.

SiC Single-Crystal Wafer Manufacturer

SiCrystal, a German SiC single-crystal wafer manufacturer, became a member of the ROHM Group in 2009

Production Site: SiCrystal AG (Germany)

In-house Dies and Lead Frames

To ensure the highest levels of quality, all dies for lead frames, lead frame punching, and molding are developed and produced in-house

Production Sites:

(Japan) ROHM Mechatech Co., Ltd.

(Philippines) ROHM Mechatech Philippines, Inc.
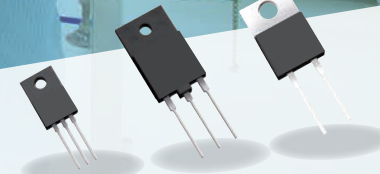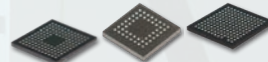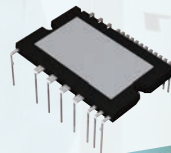
(Thailand) ROHM Mechatech (Thailand) Co., Ltd.
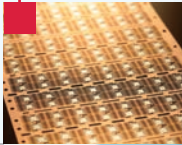
Dies

Frame

Assembly Line

Packaging

Modules

In-House Production System

We developed our own production system to precisely meet the needs of our customers.

▼All production equipment developed in-house

State-of-the-Art Packages

Our overseas facilities offer the latest assembly technologies, including CSP, BGA, COC, COF and stacked packages

ROHM Integrated Systems (Thailand) Co., Ltd.

Production Sites:

(Korea)
ROHM Korea Corporation

(Philippines)
ROHM Electronics Philippines, Inc.

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

(China)
ROHM Semiconductor (China) Co., Ltd.
ROHM Electronics Dalian Co., Ltd.

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

Technology

The ROHM Group offers a broad variety of products that contribute to solving social issues such as energy conservation, safety, and security, ranging from passive and discrete devices to ICs and modules.

Power Management/Power Supply ICs

ROHM contributes to the evolution of battery life and equipment systems by efficiently providing optimized power to the MCU and CPU, considered the brains of the device. We combine not only power supply ICs, but control ICs as well that improve application reliability and efficiency.

PMICs
(System Power
Management ICs)

80V High-Voltage
DC/DC Converters
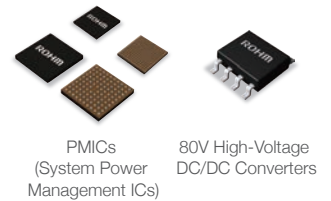
Motor Drivers (Motor Controllers)

Nearly half of the electric power consumed worldwide is said to be due to motors, and this power demand is only expected to rise as the number of motor-equipped products such as air conditioners and robots continues to increase.
ROHM contributes to a reduction in worldwide power consumption through high efficiency motor drive by pursuing high accuracy motor drivers.

High-Voltage
Fan Motor Drivers

Isolated
Gate Drivers
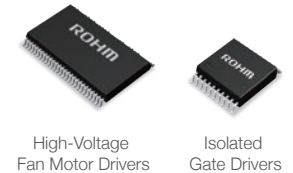
General-Purpose ICs

ROHM's broad lineup includes memory, op-amps/comparators, reset ICs, power supply ICs, data converters, and other products featuring systemized characteristics and packages that contribute to improved functionality in a range of devices.

Broad Package Lineup

Microcontrollers (Low-Power MCUs)

ROHM GROUP
LAPIS
SEMICONDUCTOR

We have achieved class-leading energy saving characteristics using proprietary low-power technology.
Our lineup includes 'tough' MCUs featuring improved resistance to noise and high temperatures that offer greater reliability and reduced power consumption in home appliances and industrial equipment.

16bit Low-Power
Microcontrollers

Wireless Communication Devices

ROHM GROUP
LAPIS
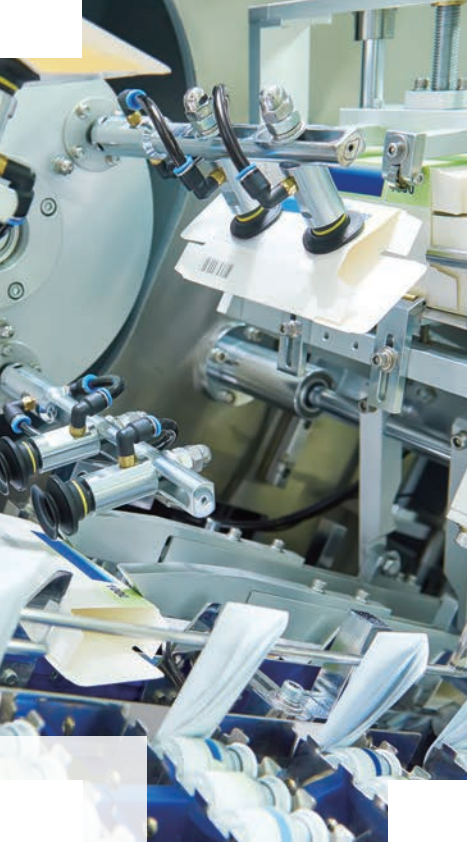SEMICONDUCTOR

We respond to the expanding needs of the IoT market with wireless devices that support a range of protocols including Bluetooth®, Wi-SUN that enables communication over long distances with minimal energy, and EnOcean's batteryless standard.

Communication ICs
for Bluetooth®

Wi-SUN
Modules

Transistors

We are moving forward with expanding and enhancing our portfolio of high-power devices such as PrestoMOS and IGBTs (Isolated Gate Bipolar Transistors) based on our industry-leading SiC-MOSFETs while pursuing technologies in the compact, low-power sector.
At the same time this will allow us to contribute to greater power savings and miniaturization in industries ranging from automotive and industrial equipment to smartphones.

Small-Signal Transistors   SiC-MOSFETs
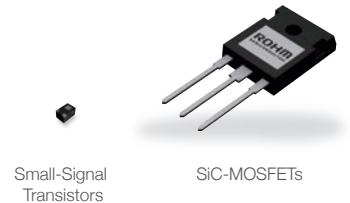
Diodes

ROHM offers a wide lineup to support low loss and high reliability in a variety of applications, including Schottky barrier diodes for rectifying the secondary side of power supply circuits, TVS (Transient Voltage Suppression) diodes widely used for circuit protection, and Zener diodes.

TVS Diodes   Schottky Barrier Diodes
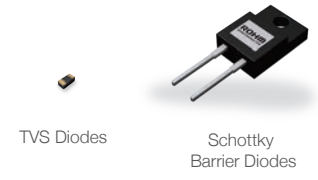
LEDs/Laser Diodes

Compact, high-power devices are achieved by combining proprietary device and precision processing technologies.
Recently, we have expanded our development into new fields such as motion and position sensors.

Compact High-Intensity 3-Color Chip LEDs   Multi-Beam Lasers
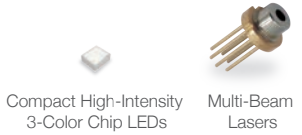
Resistors

As a resistor pioneer, ROHM developed the world's first rectangular chip resistors in 1976 and continues to lead the industry.
We have further strengthened our product lineup with high reliability, high power products that support the automotive and industrial equipment fields.

PSR Series   GMR Series

High-Power Shunt Resistors
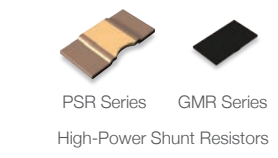
Thermal Printheads

Thermal printheads are taking the top share in markets such as receipt and logistics barcode printers by utilizing high reliability thin-film and deposition technologies.

High Reliability Thermal Printheads
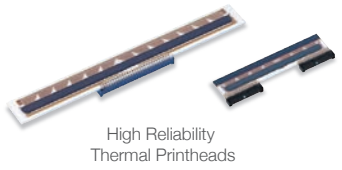
Sensing Devices

ROHM creates a wide range of sensing devices by combining a variety of sensor elements that leverage MEMS (Micro-Electro Mechanical System) and photonics technologies with ASICs (Application-Specific Integrated Circuits) optimized for using these elements.

Accelerometers   ROHM Sensor Medal
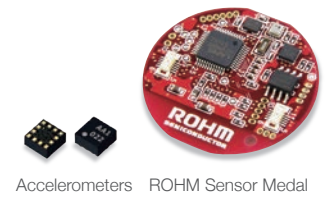
Analog Solutions

Delivering high-performance power control through a fusion of analog and control technologies

Chipsets for Automotive LCD Panels

ROHM was the first in the world to successfully support functional safety in devices equipped with LCD panels by sharing information as necessary between each constituent IC, such as driver ICs and timing controllers for driving high definition LCD panels and power supply ICs that optimally power these components. We achieve the high level of quality demanded by the automotive sector and contribute to the use of LCD panels for side mirrors and the instrument panels which are essential for avoiding accidents.
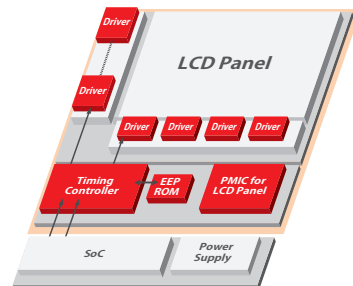
High-Resolution Audio Reference Design

In each process of our vertically integrated production system we established design technology for creating the target sound by first identifying the parameters that affect sound quality and then adjusting each individually.
Our commitment to analog technology allows us to respond to the demand for higher fidelity and higher resolution sound sources.
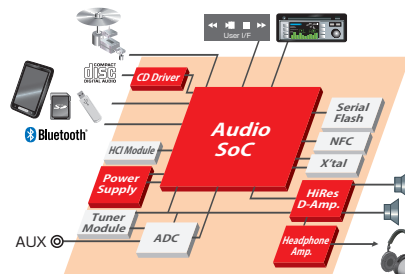
**Formula E
(F1 for Electric Cars)**

As a stage for showcasing electric vehicle innovation, Formula E continues to attract motor sports fans around the world.
An official technology partner of Formula E team Venturi, ROHM contributes to the evolution of advanced power electronics systems by supplying SiC devices that deliver dramatically reduced power savings and miniaturization.
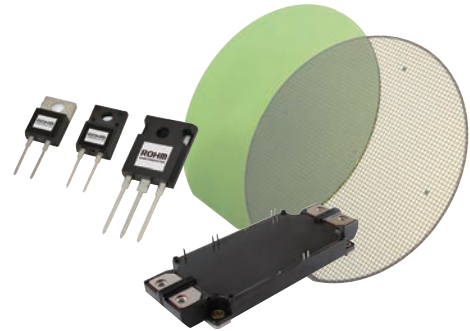
**Power Solutions
for Inverters**

Realizing power savings in motors that handle large amounts of power requires higher performance inverters for industrial equipment, automotive applications, and large home appliances. ROHM achieves greater power savings and performance in a variety of inverters by combining module technologies and supplying control ICs and gate drivers that maximize the characteristics of SiC and other power devices.
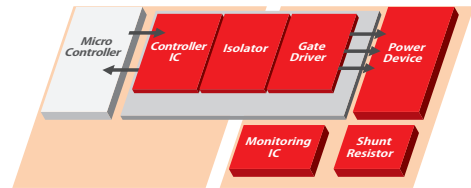
Power Solutions

Maximizing the characteristics of power devices through control and module technologies

Sensor Solutions

Supporting IoT through sensors, wireless communication devices, and ASICs

Machine Health Monitoring Solutions

Incorporating IoT into production facilities to monitor environmental conditions and equipment status makes it possible to improve operation through visualization and prevent machine failures in advance by analyzing the collected data. ROHM brings together a wide range of sensors and wireless communication devices to provide monitoring solutions optimized for devices and the environment that can be easily retrofitted.

Ultra-Compact Devices

ROHM supplies thin, ultra-compact components that support the continuing evolution of smartphones, wearable devices and other increasingly multifunctional devices.
We also offer the smallest components in the world, such as the RASMID series, that contribute to greater miniaturization and functionality.

Mobile Solutions

Contributing to greater miniaturization and improved functionality in mobile devices with the world's smallest components

ROHM Group CSR and CSV Activities

The ROHM Group contributes to the sustainable growth of the Group and healthy development of society by conducting business activities with integrity in accordance with the goals and policies outlined in our Company Mission and Basic Management Policy.

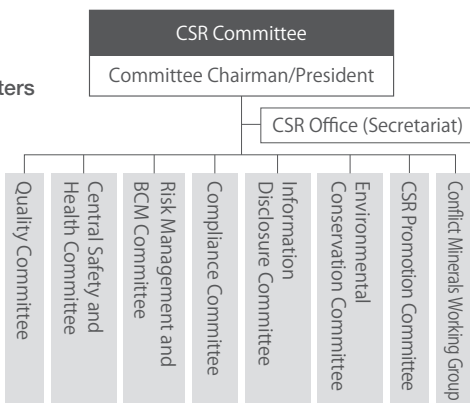## CSR and CSV Compromise the Core of Our Business Activities

The ROHM Group's Company Mission and Basic Management Policy embody our firm desire to enrich society through our products and provide a basis for each employee to integrate into their own work. Based on these goals and policies, we will work to be a company that can meet the expectations of our shareholders by further expanding CSV to solve social issues through CSR initiatives in line with social requirements and international norms.

CSV Creating Shared Value

CSR Corporate Social Responsibility

Putting our corporate objectives and basic management policy into practice

Framework for Promoting CSR/CSV

Within the ROHM Group, the CSR committee, comprised of all directors and department heads with equivalent authority, bears responsibility for CSR themes across the entire company - including the environment, society, and governance - with the president acting as chairman.
In addition, 7 sub-committees identify issues after performing risk assessments in each field and obtain certification of the management system by implementing the PDCA cycle of CSR management (see table at right).

Promotional Organization at ROHM Headquarters

CSR Committee
Committee Chairman/President
CSR Office (Secretariat)

- Quality Committee
- Central Safety and Health Committee
- Risk Management and BCM Committee
- Compliance Committee
- Information Disclosure Committee
- Environmental Conservation Committee
- CSR Promotion Committee
- Conflict Minerals Working Group

■ **Management System Acquisition and Operational Status**

Themes		Management System Certification/ Customer Demands
Product Quality		ISO9001
		ISO/TS16949 IATF16949
Management Quality (Quality of Business Activities)	Environment	ISO14001
	Occupational Health and Safety	OHSAS18001
	Information security	ISO/IEC27001
	Labor, Safety and Hygiene, Environment, Ethics Management System	EICC*1, VAP audit*2

*1: EICC stands for Electronics Industry Citizenship Coalition
This organization is mainly composed of electronic equipment manufacturers, major suppliers, and their standards.
*2: VAP stands for Validated Audit Process
This is a third-party audit of the EICC code of conduct

Illumination show and a cappella concert for families using 'green' energy

CSR/CSV Initiatives

The ROHM Group believes it is necessary to be proactive in solving social issues to ensure the sustainable growth of the company.

In September 2015 the United Nations General Assembly formulated Sustainable Development Goals (SDG) consisting of 17 objectives and 169 targets as action plans to resolve social issues by 2030.

SDGs indicate actions universally required around the world that demand the proactive involvement of companies.

The ROHM Group believes that linking these SDGs to our business activities will help make CSV, which are the shared values of society and the company, a reality.

In order to incorporate CSV and advance the company and society, we set up opportunities for dialogue globally with different stakeholders, establish CSR Priority Issues for the ROHM Group, and actively contribute towards the realization of a sustainable society through our business activities.

Achieving cyclical growth (CSV) of our employees, the company, and society

At ROHM, we realize that each employee contributes to society through business activities, and from a desire to become a company that is motivated to meet challenges, we will launch new projects and continue to promote work-life management to help employees make more effective use of their time.

In addition, as a global company, we are committed to promoting diversity and actively support female advancement based on the belief that respecting diversity will lead to new innovations.

ROHM Co., Ltd.
General Manager, CSR Office, CSR Headquarters
Yuka Nakata

Visit our website for more information:
http://www.rohm.com/web/global/csr1

*ROHM Group CSR information can be accessed on our website.
Timely information featuring wider coverage is posted from the digest version of this report.

Governance

🖥 For details on governance:
http://www.rohm.com/web/global/csr1/csr-organization

CSR Promotion Committees Hosted at Group Companies

The ROHM Group holds monthly meetings of its CSR Promotion Committee, chaired primarily by the president of each production base. We carry out dialogues with our stakeholders, discuss CSR rooted in the local community, and engage in activities that involve the entire company in accordance with our yearly activity plan.

ROHM Group CSR Promotional Organization

CSR Committee

CSR Promotion Committee ( ) indicates abbreviated production facility names

🔴 Kyoto (ROHM)	🔴 Shizuoka (ROHM Hamamatsu)	🔴 Okayama (ROHM Wako)	🔴 Fukuoka (ROHM Apollo)
🔴 Kyoto (ROHM Mechatech)	🔴 Kanagawa (LAPIS Semiconductor)	🔴 Miyagi (LAPIS Miyagi)	🔴 Miyazaki (LAPIS Miyazaki)
🔴 Okayama (ROHM Logistec)	🔴 Shiga (ROHM Shiga)	🇰🇷 Korea (R/KOREA)	🇵🇭 Philippines (REPI)
🇹🇭 Thailand (RIST)	🇨🇳 Tianjin, China (RSC)	🇨🇳 Dalian, China (REDA)	🇲🇾 Malaysia (RWEM)
🇵🇭 Philippines (RMPI)	🇹🇭 Thailand (RMT)	🇺🇸 US (Kionix)	🇩🇪 Germany (SiCrystal)

CSR Promotion Committee at our German company

CSR promotion committee attended by company officers

Our company in Germany holds monthly meetings of its CSR Promotion Committee, with officers serving as members.
The committee is working on improving and refining initiatives at the plant in line with the ROHM Group's CSR standards.

SiCrystal AG
Administrative Headquarters
Board of Director / Group General Manager
Roland Reichstein

CSR briefing for business partners

Holding CSR briefing sessions for business partners

In October 2016, we held a briefing at our Malaysian production facility for all of our business partners regarding EICC (CSR standards for the electronics industry) and the ROHM Group's CSR/CSV initiatives. We will continue with these efforts and strive to further deepen relationships with our business partners.

ROHM-Wako Electronics (Malaysia) Sdn. Bhd.
Administrative Division
Deputy General Manager
Wong Pui Li

Promoting Social Responsibility within the Value Chain

At the ROHM Group, we aim to build a strong supply chain by establishing trust and mutual prosperity with our business partners and develop a wide range of activities to help our customers with CSR and CSR procurement.
Every year, we request CSR Self Assessments, a self diagnosis tool for our business partners, and conduct CSR Procurement Audits by visiting major suppliers.

2016 ROHM Group CSR Self-Assessment
Ratio of partners ranked "B" or higher

97%

Environment

For details on environmental initiatives:
http://www.rohm.com/web/global/csr1/csr-environment

Reducing CO₂ and Other Greenhouse Gas Emissions Throughout the Entire Value Chain

In the ROHM Group we are promoting the visualization of equipment power usage and office energy consumption to reduce wasted energy while working to actively reduce CO_2 and PFC gas emissions that contribute to the greenhouse effect. Further, we calculate CO_2 emissions throughout our entire value chain and are engaged in decreasing CO_2 emissions in all of our business activities.

Amount of CO_2 reduced by the ROHM Group from the 2016 BM*

303,000 tons

(reduced approx. 35%)

*BM (Benchmark):
2005 (The 19th Conference of the Parties of the United Nations Framework Convention on Climate Change)

Office Energy Reduction Campaign

Energy conservation activities at the Thailand office

Our Thailand production facility is working on environmental activities, including minimizing environmental impact and energy consumption.
In addition to production activities at the plant, we are actively engaged in energy-saving activities in the office by implementing company-wide campaigns, such as reminding employees to turn off equipment when not in use.

ROHM Integrated Systems (Thailand) Co., Ltd.
Facility Management Div. Utility Control Dept. ,
Assistant Section Manager /
Energy Saving Sub-committee Leader
Theerasit Juntron

Save the horseshoe crabs!
Refresh Seto Inland Sea Clean Campaign

Contributing to the growth of horseshoe crabs - a protected species

At the Okayama location our employees participate in the 'Refresh Seto Inland Sea Cleanup Campaign to Save Horseshoe Crabs', held each year in Kasaoka city.
We hope that our participation can contribute even in some small way to maintain the tidelands where horseshoe crabs grow.

ROHM Wako Co., Ltd.
Administration Department, Administration Division 1,
Environmental Management Group, Chief
Shinji Yasuhara

Dealing with Water-Related Risks

As a leading semiconductor manufacturer, the ROHM Group is involved in reducing the burden on our water environment through water conservation and recycling.
And we have created a BCM (Business Continuity Management) system that not only covers water-related risks, but a wide range of other risks as well, including natural disasters such as floods and infrastructure-related issues.
We also implement social contribution activities rooted in various regions from the viewpoint of biodiversity.

2016 Water Risk Evaluation
Under CDP's Water Program

A-

Leadership	A
	A-
Management	B
	B-
Awareness	C
	C-
Information Disclosure	D
	D-

Note: Evaluations are ranked in eight areas

Social

For details on social initiatives:
http://www.rohm.com/web/global/csr1/csr-laborsystem
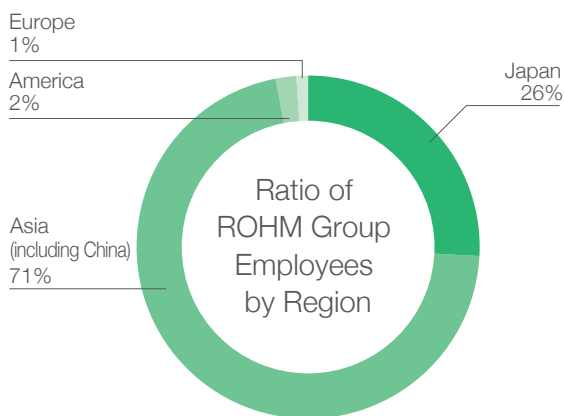
Developing Human Resources Through Diversity

The ROHM Group states in its corporate objectives and policies that it will 'search extensively for capable human resources and cultivate them as cornerstones for building long-term prosperity' and seeks to utilize and nurture a diverse workforce without being bound by gender, nationality, religion, and other factors.

We will actively promote diversity and develop our human resources in order to contribute to continued advancement and become a global leader.

Ratio of ROHM Group Employees by Region

- Europe 1%
- America 2%
- Asia (including China) 71%
- Japan 26%

Award from PMAP

Award from the Philippine Labor Bureau

At our company in the Philippines, we are making efforts to improve our labor and management-related initiatives by offering a revolutionary cutting-edge program centered on the concepts of diversity included in our corporate goals and policies.

In 2016, these activities were recognized and awarded by the People Management Association of the Philippines (PMAP).

ROHM Electronics Philippines, Inc.
Human Resources & Organizational Development Division
Deputy Division Manager / Compliance Council Chairman
Jose N. Gregorio

Engineers involved in product development

Developing Projects Based on a Firm Understanding of Customer Needs

At each of our business locations throughout the world, the ROHM Group has established a design center that thoroughly understands the needs of our customers in the areas of product development and design, and works quickly to provide products that meet these needs.

We are also pursuing true globalization in order to create new products that can solve environmental and other issues, in line with the needs of our customers.

Number of countries with ROHM sales and development locations

18 countries, 65 companies

Note: The above includes QA centers in 10 cities in 8 countries

Handling customer needs by closely working with the local community

At the India Design Center, we have established a local development framework and work alongside customers to offer support in a timely manner, and strive to respond to the requests of our customers in regards to quality and the environment.

ROHM Semiconductor India Pvt. Ltd.
India Design Center-Head
Britto Edward Victor

Classes that Convey the Fun of Manufacturing to the Next Generation

In recent years, there have been fewer opportunities for students to experience manufacturing for themselves, and at the same time interest in science is waning, so in response the ROHM Group developed manufacturing classes for students of all ages, from elementary school to the university level.
Through these classes we hope to inspire as many students as possible to become engineers who can make a positive contribution to society.

Number of students who attended a manufacturing class hosted by ROHM in 2016

Over **1,900**

JSSF Science Exchange Association

A message from a JSSF participant

My company visit to ROHM was very stimulating. The workshop on electrical circuits was the best part. I was able to learn about the latest technologies, such as the wireless switches used in electronic appliances.
I'm looking forward to seeing what kinds of revolutionary technologies that ROHM will invent in the future.

*JSSF: Japan Super Science Fair.
A yearly science exchange meeting that attracts over 200 high school science students from over 21 countries, sponsored by Ritsumeikan High School

Camborne Science and International Academy
Bethany Fenn

ROHM Festa 2016

ROHM Festa, co-sponsored by our Employee Association

For the purpose of deepening interactions among employees, ROHM continued with its summer festival from 2015 and held ROHM Festa 2016. Previous and current employees and their families enjoyed the event, which included quiz contests, food stalls and more.

Human Resources Headquarters
Personnel Affairs Dept., Personnel Division,
Salary and Welfare Group, Group Leader,
Naomi Harada

Boosting Employee Morale to Increase Motivation and Provide a Positive Work Environment

The ROHM Group stresses the need for work/life balance for all our employees, and implements initiatives to reduce work hours and provide a system that allows for nursing and childcare, with a goal of achieving a comfortable, stress-free work environment.
We also actively sponsor various events for our employees and their families to enjoy and foster interpersonal interaction and boost morale.

Number of attendees at ROHM Festa 2016
(sponsored by ROHM HQ)

Over **3,000**

Support Cultural Activities

Implementing activities that contribute to the dissemination and development of music culture

Seiji Ozawa Music Academy   Photo: Michiharu Okubo

ROHM Music Festival
Photo: Tatsuo Sasaki

Rohm Music Foundation
(a Public Interest Foundation)

Rohm Music Foundation website
http://micro.rohm.com/en/rmf/index.html

Number of visitors that attended concerts supported and hosted by ROHM and the Rohm Music Foundation in 2016

Over **100,000** total

The Rohm Music Foundation was established in 1991, with the goal of contributing to the popularization and development of Japanese music culture.
As of 2016, the foundation has granted 429 scholarships, and continues to sponsor Scholarship Concerts performed by both previous and current scholars.
The Foundation organizes 'Kyoto International Music Students Festival' to promote international exchange for nurture young musicians, and 'Music seminars' to foster professional musicians. The Foundation also supports music-related performances and research, and more.

ROHM Theatre Kyoto:
A Cultural Institution

ROHM Theatre Kyoto home page
(part of ROHM's website):
http://www.rohm.com/web/global/theatre

An active supporter of the music arts for many years, ROHM acquired the naming rights of ROHM Theatre Kyoto, which reopened on January 10, 2016, for the next 50 years.
The theatre is located at the heart of one of the city's most prominent cultural areas, home to numerous historic shrines and art museums.
We hope that this theatre will be cherished as an institution representing culture of art in Japan.

'Opera for Children' Performance by the Seiji Ozawa Music Academy   Photo: Michiharu Okubo

Communicating the Wonders of Music Through ROHM Theatre Kyoto

The Seiji Ozawa Music Academy - An Educational Project Produced at ROHM Theatre Kyoto

Number of elementary school students invited to perform in the 'Opera for Children' at ROHM Theatre Kyoto

Over **5,800**

ROHM, together with the Rohm Music Foundation, provides ongoing support for the 'Seiji Ozawa Music Academy,' a training project for young musicians conducted by world-renowned conductor Seiji Ozawa. This is an unprecedented program in which young musicians in Asia are selected by audition to perform alongside top-class vocalists, led by professional musicians active on the global music scene as well as by Mr. Ozawa himself.

The operas are produced in a newly open ROHM Theatre Kyoto from 2016. The Academy also organizes 'Opera for Children', inviting elementary school students of Kyoto.

The ROHM Music Festival - Filling the Local Community with Music

Number of 'Rohm Music Friends' - Musicians supported by ROHM and the Rohm Music Foundation:

4,755 total

In conjunction with the Rohm Music Foundation, ROHM is working to provide a better learning environment for young musicians; to date a total of 4,755 are involved as 'Rohm Music Friends', many of whom are actively involved around the world as professional musicians.

Since 2016, the entire ROHM Theatre Kyoto is rented out to host the ROHM Music Festival, an event that gives the community an opportunity to enjoy live performances by Rohm Music Friends and local students.

During this time the area comes alive with music, with good times enjoyed by all.
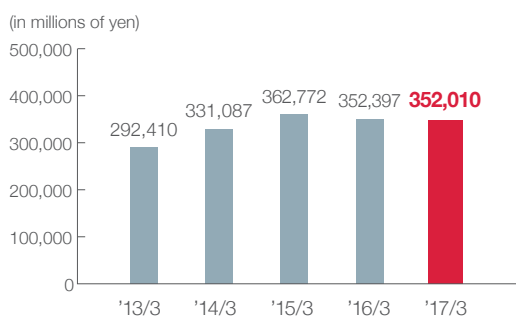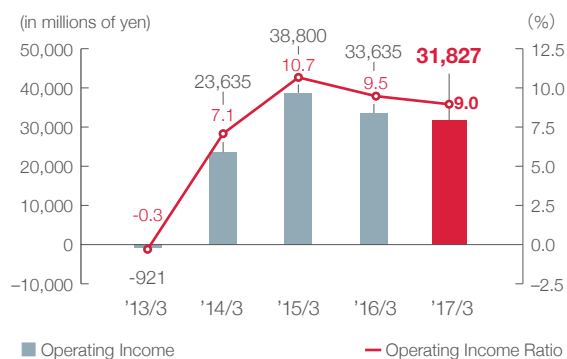
Key Financial Data

Results as of March 31, 2017

Net Sales	**352,010** million yen	
Operating Income	**31,827** million yen	(9.0%)
Ordinary Income	**35,579** million yen	(10.1%)
Profit Attributable to Owners of Parent	**26,432** million yen	(7.5%)

Figures in parentheses indicate percentage of sales

Sales

(in millions of yen)

Operating Income/Operating Income Ratio

(in millions of yen) (%)

■ Operating Income — Operating Income Ratio

Sales by Segment

Others 21,169 6.0%
Modules 39,608 11.3%
Discrete Semiconductor Devices 130,036 36.9%
LSI 161,195 45.8%

352,010 (million yen) total as of March 2017

Sales by Application

Computers and OA 12.6%
Tele-communication 11.3%
Consumer 33.0%
Automotive 31.3%
Industrial 11.8%

352,010 (million yen) total as of March 2017
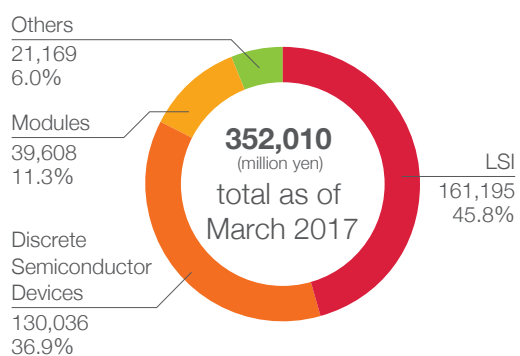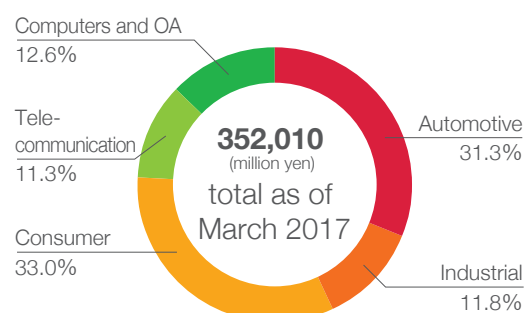
Note: Some figures are estimates.

Research and Development Costs

(in millions of yen)　(%)

	'13/3	'14/3	'15/3	'16/3	'17/3
Research and Development Costs	37,750	36,536	39,996	40,868	37,277
AS % of Net Sales	12.9	11.0	11.0	11.6	10.6

■ Research and Development Costs　— AS % of Net Sales

Capital Expenditures

(in millions of yen)

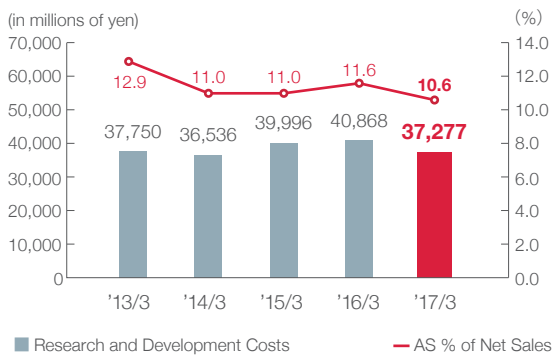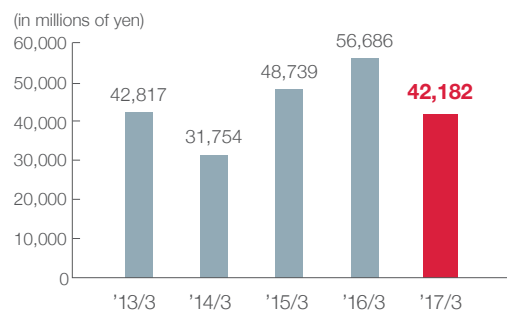| '13/3	'14/3	'15/3	'16/3	'17/3
42,817	31,754	48,739	56,686	42,182

Net Income per Share/Net Assets per Share

(in yen)

	'13/3	'14/3	'15/3	'16/3	'17/3
Net Income per Share	-486.63	297.65	420.16	241.91	249.88
Net Assets per Share	5,688.21	6,149.79	6,975.07	6,672.33	6,854.01

■ Net Income per Share
■ Net Assets per Share

Dividends/Payout Ratio

(in yen)　(%)

	'13/3	'14/3	'15/3	'16/3	'17/3
First Six months	15.0	20.0	45.0	65.0	50.0
Year-End	15.0	30.0	85.0	65.0	80.0
Total	30.0	50.0	130.0	130.0	130.0
Payout Ratio	-6.2	16.8	30.9	53.7	52.0

■ First Six months　— Payout Ratio
■ Year-End
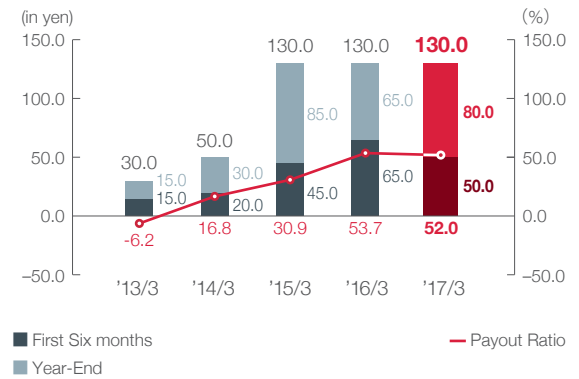
Shareholders' Equity/Total Assets

(in millions of yen)　(%)

	'13/3	'14/3	'15/3	'16/3	'17/3
Shareholders' Equity	613,270	662,983	751,937	705,774	724,986
Total Assets	699,014	754,407	864,380	804,134	834,503
Equity Ratio	87.7	87.9	87.0	87.8	86.9

■ Shareholders' Equity　— Equity Ratio
■ Total Assets

Number of Employees

(people)

'13/3	'14/3	'15/3	'16/3	'17/3
20,203	19,985	20,843	21,171	21,308
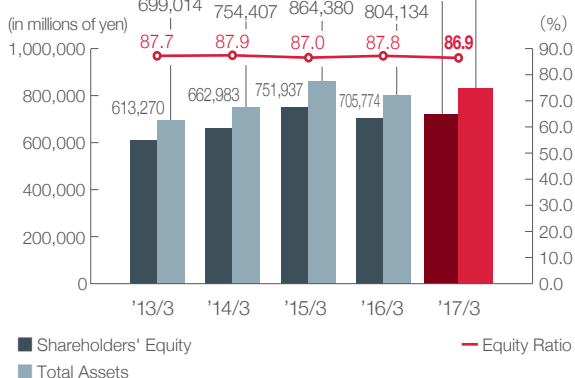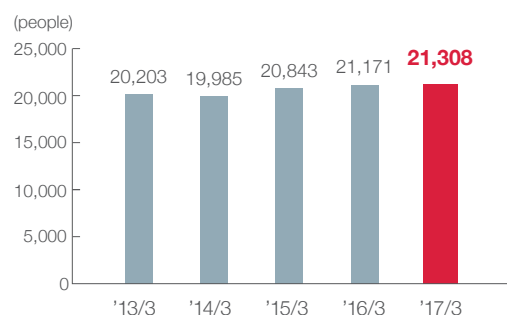
Investor relations webpage:
http://www.rohm.com/web/global/investor-relations

22

Corporate Data

- 🔵 Sales Offices
- 🔴 R&D Centers
- 🟠 QA Centers
- 🟢 Production Facilities
- 🔴 Distribution
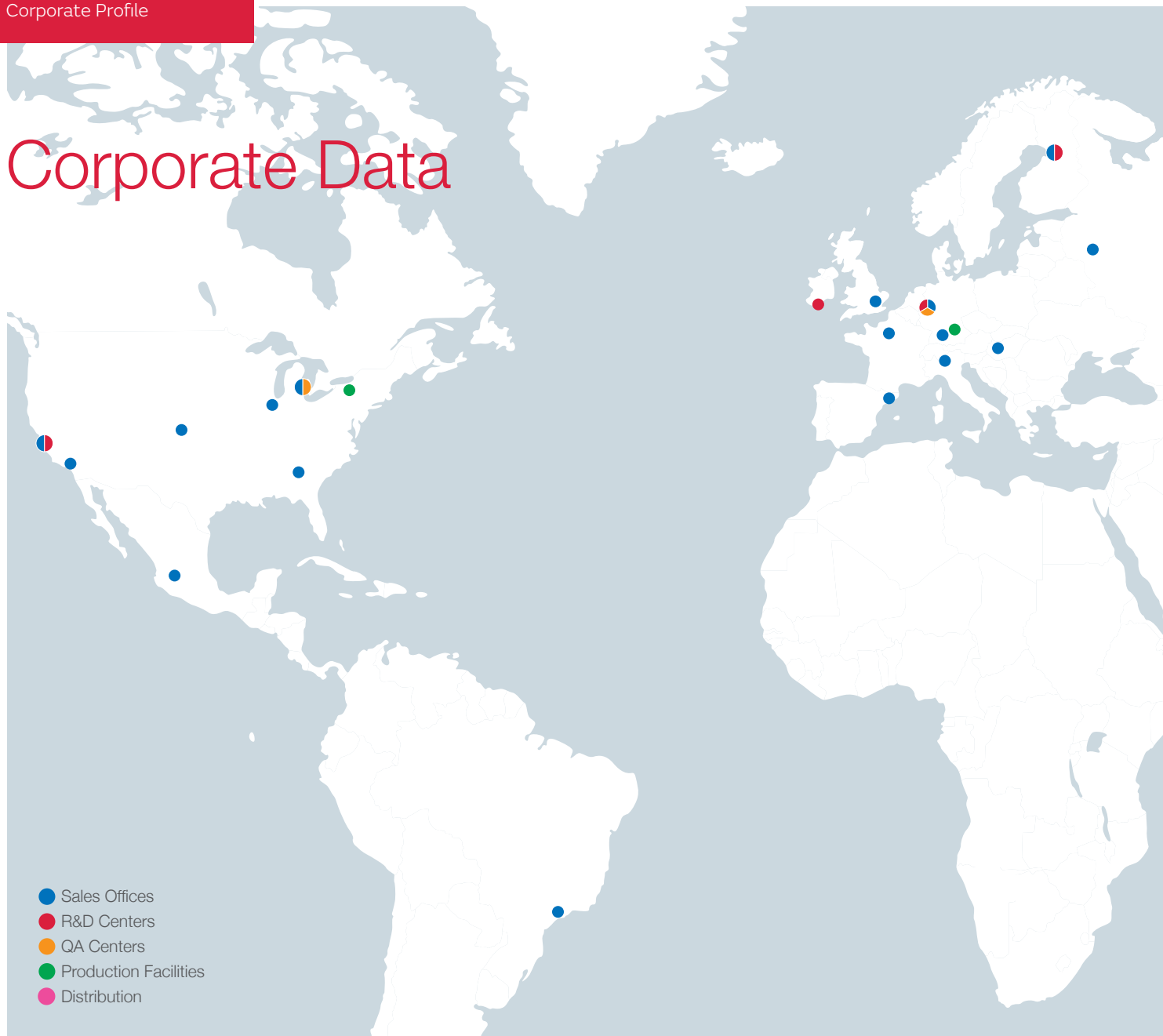
[Global]

Main Sales Offices

ASIA
ROHM Semiconductor Korea Corporation
ROHM Semiconductor Trading（Dalian）Co., Ltd.
ROHM Semiconductor（Shanghai）Co., Ltd.
ROHM Semiconductor（Shenzhen）Co., Ltd.
ROHM Semiconductor Hong Kong Co., Ltd.
ROHM Semiconductor Taiwan Co., Ltd.
ROHM Semiconductor Singapore Pte. Ltd.
ROHM Semiconductor Philippines Corporation
ROHM Semiconductor（Thailand）Co., Ltd.
ROHM Semiconductor Malaysia Sdn. Bhd.
ROHM Semiconductor India Pvt. Ltd.

AMERICA
ROHM Semiconductor U.S.A., LLC
ROHM Semiconductor do Brasil Ltda.

EUROPE
ROHM Semiconductor GmbH

R&D Centers

ASIA
Korea Design Center
Shanghai Design Center
Shenzhen Design Center
Taiwan Design Center
India Design Center

AMERICA
America Design Center（Santa Clara）

EUROPE
Europe Design Center
Finland Software Development Center
ROHM POWERVATION Ltd.

QA Centers

ASIA
Shanghai QA Center / Shenzhen QA Center
Taiwan QA Center / Korea QA Center
Singapore QA Center / Thailand QA Center

AMERICA
Detroit (America) QA Center

EUROPE
Europe QA Center

Company Information

Company Name:	ROHM Co., Ltd.
Headquarters:	21 Saiin Mizosaki-cho, Ukyo-ku, Kyoto 615-8585 Japan Tel: +81-75-311-2121 Fax: +81-75-315-0172
Date Established:	September 17, 1958
Capital:	86,969 million JPY (as of March 31, 2017)
Representative:	Satoshi Sawamura, President
Sales Volume:	Consolidated 352,010 million JPY (fiscal year ending March 2017)
Number of Employees:	Consolidated 21,308 (as of March 31, 2017)

[Japan]

Production Facilities

ASIA
ROHM Korea Corporation
ROHM Electronics Philippines, Inc.
ROHM Integrated Systems (Thailand) Co., Ltd.
ROHM Semiconductor (China) Co., Ltd.
ROHM Electronics Dalian Co., Ltd.
ROHM-Wako Electronics (Malaysia) Sdn. Bhd.
ROHM Mechatech Philippines, Inc.
ROHM Mechatech (Thailand) Co., Ltd.

AMERICA
Kionix, Inc.

EUROPE
SiCrystal AG

[Japan]

Sales Offices

Kyoto	Matsumoto
Tokyo	Mito
Yokohama	Nishi-Tokyo
Nagoya	Sendai
Fukuoka	Takasaki
Utsunomiya	

R&D Centers

Kyoto Technology Center (Head Office)
Kyoto Technology Center (Kyoto Ekimae)
Yokohama Technology Center

QA Centers

Kyoto QA Center
Yokohama QA Center

Production Facilities

ROHM Co., Ltd.
ROHM Hamamatsu Co., Ltd.
ROHM Wako Co., Ltd.
ROHM Apollo Co., Ltd.
ROHM Mechatech Co.,Ltd.
LAPIS Semiconductor Co., Ltd.
LAPIS Semiconductor Miyagi Co., Ltd.
LAPIS Semiconductor Miyazaki Co., Ltd.
ROHM Shiga Co., Ltd.

Distribution

ROHM Logistec Co., Ltd.

ROHM
SEMICONDUCTOR

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