



CORPORATION REPORT 2019

Biltrite Tamura

The 12th Mid-term Plan 2019-2021 & 2024 GROWING ANEW

CORPORATE PROFILE / CSR REPORT DIGEST

Creating Value

Creating Tamura Group's Value

The Tamura Group aims to increase corporate value by contributing to society through our business activities and is making continuous efforts to create new values towards solving society's problems.



Tamura Group's business fields

Electronic Components Information Equipment

Electronics Chemicals// FA Systems

Related social issues

- Realizing a decarbonized society
- Conserving energy and resources
- Promoting diversity
- Promoting workstyle reform
- Preparing for natural disasters
- Responding to a rapidly aging society
- Coexisting with communities

The 12th Mid-term Plan

Biltrite Tamura The 12th Mid-term Plan 2019-2021 & 2024 **GROWING ANEW**

Corporate Philosophy MISSION

The Tamura Group supplies an original range of products and services, highly regarded in the global electronics market, to satisfy the evolving needs of customers, employees and shareholders supporting the Group's growth.

VISION

GUIDELINE

Tamura Group Code of Conduct

Basic policy on promotion of SDGs (Tamura Group Code of Conduct)

The Tamura Group recognizes our corporate social responsibility (CSR) of balancing the achievement of a sustainable society and the sustainable growth of the Tamura Group. We recognize the term "SDGs" as shared global language regarding social issues. In addition to understanding the business opportunities presented by SDGs and the responsibility of corporation in achieving SDGs, the Tamura Group will contribute to the solution of social issues through products, services, technology, and business activities.

| SUSTAINABLE GOALS DEVELOPMENT GOALS 17 GOALS TO TRANSFORM OUR WORLD | | | | | | |
|---|--------------------------------------|---|--|----------------------------------|---|--|
| 1 ^{ng} ₽overty Ř¥ŘŘŘŤ | 2 ZERO HUNGER | 3 GOOD HEALTH AND WELL-BEING | 4 QUALITY EDUCATION | 5 EENDER EQUALITY | 6 CLEAN WATER AND SANITATION | |
| 7 AFFORDABLE AND CLEAN ENERGY | 8 DECENT WORK AND ECONOMIC GROWTH | 9 ADUSTRY, INNOVATION AND INFRASTRUCTURE | 10 REDUCED INEQUALITIES | 11 SUSTAINABLE CITIES | 12 RESPONSIBLE CONSUMPTION AND PRODUCTION | |
| 13 CLUMATE | 14 LIFE BELOW WATER | 15 UPE ON LAND | 16 PEACE JUSTICE AND STRONG INSTITUTIONS | 17 PARTNERSHIPS FOR THE GOALS | SUSTAINABLI DEVELOPMENT GOALS | |



TOP MESSAGE ...03 **CORPORATE PROFILE**

| Genealogy of Product Development $\cdots \cdots 07$ |
|---|
| Our Business |
| Electronic Components |
| Electronic Chemicals/FA Systems $\cdots 11$ |
| Information Equipment $\cdots 13$ |
| "One Tamura" strategy |
| Product Lineup |

CSR REPORT DIGEST

| CSR |
|----------------------------------|
| CSR goals and results17 |
| Environmental Performance Report |
| Environmental topics |
| Social Performance Report |
| Social & Governance Topics21 |
| |

CORPORATE DATA

| Corporate Information | | | |
|-----------------------|--|----|--|
| Global Network | | 25 | |

Editorial Policy

This report will be published as "TAMURA CORPO-RATION REPORT 2019" to serve as an introduction to the Tamura Group. It is a compilation of Tamura's"CORPORATE PROFILE," which introduces the group's overview and business activities, and "CSR REPORT DIGEST," a digest of its CSR.

A detailed report of CSR is available on the "CSR" page of the Tamura Corporation website. The "Environmental Report Guidelines (FY2018 Edition)" of the Ministry of the Environment of Japan, and the "ISO26000" Guidance Standard were referred to when "CSR" was edited.

Period covered

April 1, 2018 to March 31, 2019 (Includes some activities in or after April 2019)

Publication date

August 2019 (Previous report: August 2018 next report: due in August 2020)

Contact information

CSR Promotion Div. TEL: +81-3-3978-5293, FAX: +81-3-3978-2760 F-mail: csr@tamura-ss.co.in Web: https://www.tamuracorp.com/

TOP MESSAGE

Afresh starting with a new management system towards the centennial anniversary and further sustainable growth

Naoki Tamura

entative Director of **Chairperson and Rep Tamura Corporation**

Masahiro Asada

President and Representative Director of Tamura Corporation

Establishing a business structure that brings steady profits in growing fields

Inauguration as new president:

I received the offer from new chairperson Naoki Tamura (former president), who had assumed the responsibilities of top management as president for many years, and took office as president in April 2019. Although I am humbled by the vast responsibilities that await, I am ready to assume various tasks, underpinned by my knowledge of actual workplaces and a sense of balance that I have acquired over the years.

I believe that the primary role of the new management system is to realize the "Company's ideal future" towards the centennial anniversary in 2024. The scenario includes efforts to establish a solid management system by 2021 (the last year of the 12th Mediumterm Management Plan) so that in 2024, the centennial anniversary year, all the endeavors made until that time will be fully rewarded. We have set high targets, namely, to achieve an operating profit ratio of 10% or more and an ROE of 10% or more, both in fiscal year 2024, and will continue to strive toward this goal.

Establishment of New Medium-term Management Plan

As the first step, "Biltrite Tamura GROWING ANEW" has been chosen as the slogan for the 12th Medium-term Management Plan. For this slogan, while inheriting "Biltrite," a coined word meaning "to manufacture righteously," as the Company's tradition and "GROWING" that should result from it, we have added the word "ANEW" to show our resolve "to have a new start" with a "new system" in the new "Reiwa" era.

Biltrite = Build up + Right

Targeted Managerial Indicators

- (1) With an increase in profitability as the primary target, we aim to achieve the group operating profit ratio of 8% or more in FY2021 and 10% or more in the centennial anniversary year
- (2) As for our objective in capital efficiency, we aim to achieve ROE of 9% or more in FY2021 and 10% or more in the centennial anniversary year. We will work toward improving capital efficiency by promoting the stabilization of business infrastructure through increases in shareholders' equity.



ROE

Masahiro Asada, President and Representative Director

Specifically, we have identified the electrification of power train systems and AI & IoT-based automated driving technology in the automobile industry that is entering a time of revolution as well as next-generation communications technology as future growth industries. Accordingly, we have determined three fields, i.e., "in-vehicle products," "power electronics," and "IoT & next-generation communications," as the Company's strategic markets. We will work to establish a business structure that can bring steady profits in these markets for which solid growth can be expected.

As it can be easily imagined, for example, that automated driving technology will never be realized without next-generation communications technology such as 5G, it is predicted that mutual connections among all business fields will eventually increase. In our Company, we will also work on sharing best practices among different business units by removing walls between divisions and reinforcing horizontal connections. While enhancing synergy effects, all members of the Tamura Group will make joint efforts as "One Tamura."

As a Company that Responds to Society's Expectations

In order to realize the "Company's ideal future" in its centennial anniversary year, it is important for us to bring the Company's growth strategies and the society's expectations into line. As one of the foundations of our new Medium-term Management Plan, the Company has been utilizing SDGs (Sustainable Development Goals) that were adopted by the United Nations in 2015. Through



widely spreading environmentally friendly products, we will strive to "resolve social issues through use of ecotechnology" in response to people's expectations, thus contributing to the achievement of SDGs.

In the environmental aspect, while expanding our eco-friendly car products in the in-vehicle business as a cornerstone of our growth strategy, we will also focus our energies on current sensors that are used in products related to "energy saving/energy creation/energy storage" and large transformers that are used for the generation of renewable energy, such as wind power and water power.

In the social aspect, as has been set forth in Goal 1 "No poverty" of SDGs, poverty eradication is an urgent social issue, and the largest contribution as a company to its resolution should be the promotion of employment. The Company also has plants in Myanmar, Bangladesh, and other countries, where we are promoting the employment of local engineers and managers in cooperation with universities and other educational institutions. It has always been the Company's management policy to focus on local markets based on the principle of "local development & local consumption (local development & local approval)." In this regard, with the aim of increasing diversity in global management by a further step, we are training highly skilled local staff and gradually shifting responsibilities and authority to them, eventually increasing the number of locally employed staff as members of the board and operating officers.

My Mission

As chief operating officer, I will enforce speedy management toward the realization of the "Company's ideal future in the centennial anniversary year," and aim to achieve a V-shaped recovery in performance that stalled during the third year of the previous Medium-term Management Plan by pursuing efforts to create new strategic products and to continue embracing new challenges.

I believe my mission is to shape this globally operating Tamura Group into "One Tamura" both in name and in substance without going against the intent of the Company's objetive. For this purpose, I will do my utmost to realize well-balanced operations by inheriting the good traditions of the Company that has over 90 years of history and by making the best use of experiences gained from many years of overseas assignment. In this regard, I would appreciate your candid opinion, guidance, and support.

Company's Ideal Future in the Centennial Anniversary Year

Based on this Medium-term Management Plan and various challenges towards the achievement of SDGs (Sustainable Development Goals), the Company aims to grow in a healthy manner while responding to the expectations of people around the world as an entity needed by all its stake-holders, including its shareholders, business partners, employees, and local communities.



Pursuing management that integrates business and CSR

Two-wheel Framework Towards the Centennial Anniversary

On April 1, 2019, a new president was appointed. Formerly president, I have assumed the position of chairperson and representative director and shall take charge of non-financial tasks, such as corporate governance, CSR, SDGs, and management quality, working toward the improvement of corporate value. New president Masahiro Asada shall be in charge of the Company's entire business and its implementation, taking the helm of the Company's future growth strategies. We would like to move forward in this two-wheel framework with company-united efforts towards the centennial anniversary that is approaching in five years.

Review of the 11th Medium-term Management Plan

The last Medium-term Management Plan that was implemented under my leadership as president had shown a successful start in the first and second years of the three-year plan, hitting record-high profits. However, in FY2018, the last year of the plan, the Company was affected by the impact of the US-China trade conflict and China's economic slowdown, which was greater than expected. Furthermore, because of deteriorated business climate where sales of the latest models of smartphones had leveled off because the business cycle had reached its peak and another negative factor of repair cost related to a quality problem, operating profit eventually returned to the level of the year before the three-year plan.

While we were successfully pursuing the improvement of profitability in those three years and in the process of establishing a business model to concentrate capital for high-value-added products, we failed to actually create strategic products that were less susceptible to the economic climate. This is a matter of regret with regard to the previous Medium-term Management Plan.

On the other hand, because our compensation claim for patent right infringement was finally accepted and we were able to post the settlement as a profit, the final profit for FY2018 was 6.3 billion Japanese yen, the highest ever. ROE also increased to a two-digit percentage, reaching 14.3%, and the Company could pay a dividend of 10 Japanese yen per share, realizing its long-cherished objective.

Concentration of Operating Capital on Growing Fields and Efforts to Overcome Weakness

For the past three years, we have concentrated on the in-vehicle business as a priority market. Under the circumstances where the trend has been shifting toward eco-cars, the Company's boosting reactors for environmentally friendly vehicles have been gaining a high reputation in the market because of their performance and quality, and the business has recorded a substantial growth. However, due to the long development period required, the in-vehicle components were not yet strong enough to push up sales in the previous Medium-term Management Plan. Nevertheless,

TOP MESSAGE

Naoki Tamura, Chairperson and Representative Director

we were finally able to have a good prospect of high-volume production as mentioned in the 12th Medium-term Management Plan and have decided to make an investment to expand/reinforce plant facilities in two domestic plants and in China.

With regard to overseas strategies in the electro-chemistry business, it was unfortunate that the Company did not have its own production plants in the ASEAN and European regions. To address this, the Company has acquired plants from an OEM partner company in Thailand and a local company in Germany through M&A and built a self-manufacturing system.

Promoting Business and Social Contribution in an Integrated Manner Based on SDGs

Even before the concept of CSR became substantially rooted in Japan, the Company upheld "social contribution through business" as its management philosophy. We were among the earliest in this industry to sign the United Nations Global Compact. Further, under the new Medium-term Management Plan, the Company has been promoting management by integrating business and CSR, utilizing SDGs as its basic concept. To my understanding, all 17 goals of SDGs are related to the Company's activities in one way or another. Therefore, by actively reporting information about "Tamura is carrying out such an activity" and "Such an activity can contribute to SDGs" in reference to each goal, we have been making efforts so that every employee would become familiar with SDGs. For example, as part of workstyle reform, the Company has also introduced a telework system. Today, some employees are performing simulation analysis work remotely because of family reasons. This is an example case that can contribute to the achievement of SDGs' Goal 8 "Decent Work and Economic Growth.'

Our aim is to combine the realization of a sustainable society and sustainable growth of the Company by promoting business and social contribution in an integrated manner based on SDGs. In FY2018, with the aim of increasing SDG awareness among employees, SDG badges were distributed. Our challenges, however, have just begun and we shall continue to work on raising awareness among employees.

Your continued support is very much appreciated.



Genealogy of Product Development

Time-honored technological capabilities that continue to excel



07

CORPORATE PROFILE

CORE TECHNOLOGY

Power solutions

- Dust core material development and mass-production technology Electromagnetic field, heat, structural analysis (simulation) technology
- High-efficiency, low-noise power supply technology
- Large current transformer coil winding technology
- Environmental technology
- Adaptive technology for highly reliable standards (JAXA and MIL standards, etc.)
- Mass production technology for large products
- Design technology for special specifications (water cooling, waterproof, high pressure)

Piezoelectric ceramics

- Material development and process technology
- Element design technology and analysis technology
- Technology for controlling piezoelectric elements

LED/LD application and IoT solutions and semiconductor devices

- LED packaging technology Waterproofing technology Thermal design and analysis
- technology Optical design and analysis
- technology High-efficiency reflection
- processing technology
- Sensing technology
- Data processing technology
- High-quality epitaxial growth technology High efficiency High-power LED manufacturing

Growth technology of single

crystal substrates

- Lighting design technology Optical single-crystal
- technology
- Wireless technology

Mounting process, PCB material and semiconductor mounting material

- Unified, collaborative product development for both material and equipment
- Resin design and synthesis technology (photosensitive resin, thermosetting resin, thermoplastic resin
- Metal powder production technology
- Soldering technology Photosetting technology
- Thermosetting technology
- Environmental technology (technologies compliant with Pb-free, halogen-free requirements)
- Simulation technology (CAE analysis)
- Analytical technology contributing to materials design
- Reliability evaluation technology for product quality
- Reflow heating technology Soldering technology
- Wave soldering technology
 - Heat control technology
- (Nitrogen) Atmosphere control technology

Information equipment

- Audio processing technology
- Digital signal processing technology
- Acoustic technology
- High-frequency technology
- Radio technology
- High-density mounting technology
- Surround-sound technology

Our Business

Electronic Components

"High-reliability" and "high-efficiency" power technology contributes to the future of power electronics, realizing safer and more secure lives as well as a decarbonized society.



Social value of business

- We are directing efforts into the development of high-reliability and high-efficiency products required for power systems that deal with high current, such as those for eco-friendly cars, renewable energy, and industrial equipment. Our boosting reactors for eco-friendly cars, which necessitate high-safety designs, are highly regarded in terms of performance and quality, so we will enhance production capacity in response to increases in demand, supporting the widespread use of eco-friendly cars.
- The LED-related products that we have developed include high-brightness power LEDs that are extremely power efficient and human sensors to which sensing and communication technologies are applied. These products help monitor people's activities in nursing-care facilities and the like, enhancing safety.
- Our transformers, reactors, LEDs, power supplies, and piezoelectric ceramics products contribute to saving energy and resources in devices that incorporate these products. We provide these products globally in a broad range of areas, effectively offering eco-technological solutions to social problems.



Products



Reactors and coils Reactors are core components for voltage control and noise removal for power conditioners, air conditioners, and the like. They contribute to energy saving and clean energy.



High-frequency transformers High-frequency transformers are necessary to miniaturize electronic devices or increase efficiency. Our products are compatible with various types of circuits and enable higher-frequency power conversion, contributing to energy saving.



for aerospace use

As the only domestic manufacturer that has

obtained certification from Japan Aerospace

Exploration Agency (JAXA) for the standards

of transformers and reactors for power

systems, we develop, produce, and supply

transformer and coil products for onboard

use on satellites and their launching vehicles.



s Current sensors

In order to make effective use of natural energy, it is necessary to monitor electrical current in equipment with a high degree of accuracy. Our product line, which is broad in terms of current range and accuracy range, contributes to creation, storage, and saving of energy.



Power supply for outdoor LED lighting

LED power supply for outdoor use such as facility illumination and road illumination. Designed to achieve high efficiency and high power factor and equipped with multi-stage optical modulation function, the product can realize the industry's top level of energy saving illumination.



LED lighting for special applications LED lighting for special applications, such

as inside lighting type signboards and refrigeration showcases that utilize optical engineering design technology. This product has been adopted for use in showcases manufactured overseas, mainly Asia.



Our AC adaptors supply stable power to optical network units (ONU). Their high resistance to exogenous noise due to thunder and other causes provide support for communication lifelines such as the Internet and telephones.



Power LED

A super luminosity LED with brightness equivalent to a 1 kW halogen lamp. This product has been realized thanks to the Company's original electronics-packaging technology and heat radiation design. A verification test at a lighthouse has begun.

CORPORATE PROFILE



Automotive reactors

The reactors are key components for optimal voltage control in hybrid and electric cars. Our reactors ensure not only eco-friendly but also highly reliable and safe driving.



Power modules

High-efficiency DC converter functions are packaged. e modules allow you to easily design high-performance power supply (high-efficiency, lowstandby-power, quiet, and small) best suited for your product.



Large transformers and reactors

In large-scale wind or solar power generation systems and the like, large transformers and reactors are the core components the former are used for voltage conversion and the latter are for voltage control and noise removal. They contribute to the spread of renewable energy.



Gate driver module

The product for driving high-power switching semiconductors used in inverters, etc. Suitable for both IGBT and SiC-MOSFET because of its low noise characteristics. This product can contribute to drastic simplification of equipment design.



Piezoelectric transformers The use of the resonance phenomenon of piezoelectric ceramics allows efficient generation of high voltage. Our products are used for high-voltage power supply for laser printers, copiers, ion generators, etc.



Vending machine related products

We have developed major components such as the item selection button, which holds over 90% of the market share according to our investigation, the price display unit, and LED lighting. Buttons with a built-in price display have already become the trend for vending machines.



Our Business

Electronic Chemicals/FA Systems

Well-refined soldering technology for "highly reliable" and "highdensity mounting", with eco-friendly materials and equipment, contributes to the development of a sustainable electronics industry.



Social value of business

Electronic Chemicals

• As cars are becoming more fuel-efficient and highly functional, automotive components are becoming more electronically controlled, lightweight, and miniaturized. Under these circumstances, we offer superior materials that meet reliability requirements that are becoming stricter each year. Our materials have high reliability and show good performance, including crack resistance, heat resistance, and humidity resistance, even in a harsh engine room environment. In addition, as smartphones and wearable devices are becoming more multi-functional, lightweight, and miniaturized, there is a demand for further high-density mounting and various joining methods. We provide materials that meet such demand, supporting high-speed and high-capacity communication in 5th generation (5G) mobile network systems.

FA Systems

• We provide high-performance soldering systems compatible with other assembly equipment. Such systems are needed due to an increase in demand for in-vehicle PCBs associated with advances in automotive electronics or to development in smart factories typified by Industry 4.0. Our systems show good environmental performance that helps save power and resources. Using this advantage, our systems streamline mounting lines and support manufacturing in evolving factories around the world.



TAMURA CORPORATION REPORT 2019

11

Products



Flux Flux is the keystone of Tamura's materials development. By chemically removing oxide film from the metal surface to be soldered, flux ensures superior wettability and spreadability for solderable metals



Solder paste

Used as joining material for surface mounting, solder paste is prepared by mixing solder powder and a flux. Tamura's extensive metal composition lineup provides compatibility with various applications, such as fine mounting, in-car use, and micro bump formation



Solder resist The solder resist plays an important role in maintaining insulation perfor mance by protecting printed circuit boards (PCBs) from oxidation. Mindful that it serves as the face of PCBs, Tamura is as attentive to the external appearance as the reliability.



Solder resists for flexible **PCBs**

Halogen-free solder resists for flexible PCBs are available in rich color variations



Reflow soldering systems

Reflow soldering systems heat PCB-mounted electronic components to melt solder and join the components and circuits on the board. Our new systems are equipped with convection control technology that efficiently circulates gas within the systems, making it possible to suppress flux adhesion to the inner surface of the furnace as well as reduce nitrogen consumption.



Selective soldering systems

Selective soldering systems mount components to be inserted on a PCB that has gone through a reflow soldering process, and perform soldering, in a solder bath, only on parts of the PCB where the components are inserted. Labor-saving on production lines is achieved by transforming the entire soldering process into a fully automated integrated line

CORPORATE PROFILE



High heat resistance solder

In-car electronic devices should have high resistance to harsh temperature environments due to miniaturization and mechatronic integration. Our solder products prevent solder joints from cracking, contributing to reliabil ity improvement of electronic devices.



White reflective material White reflective materials are applied to the back surface of a LED PCB or a solar power panel to increase reflectivity. They are highly functional halogen-free materials with high reflectivity and discoloration resistance.



Self-assembling materials

Self-assembling materials join flexible and rigid PCBs through a thermocompression bonding process at a low temperature and in a short time. These materials reduce the joining area of connections on circuit boards and allow low-temperature joining, thereby contributing to reducing CO2 emissions.



Black absorbing material These materials are applied to a surface of a printed circuit board or a film to accentuate LED light. They can meet design requirements such as covering and hiding wiring.



Selective soldering material

Solder paste for use in partial solder supply by dispensing and rapid-heating soldering with a laser. Because it can automatize conventional manual soldering while contributing to achieving high quality, it is drawing attention in the areas of camera modules and in-car components. The development of jet-dispensing products capable of highspeed three-dimensional soldering is also underway



Our Business

Information Equipment

Improve "safety and security" of social infrastructure through "sound" to deliver "value" and "excitement" to customers.



Social value of business

- We have accumulated sound and communication technologies in the areas of broadcasting and telecommu tion. Using these technologies, we provide customers, particularly broadcast stations, with wireless intercoms and microphones as well as audio mixing consoles compatible with high-resolution 4K/8K TV broadcasti delivering new experiences to the audience and contributing to comfortable living.
- We have applied our original wireless technology to various systems that watch over for human safety life

Products



NT series—audio mixing consoles for broadcasting

Sound adjusting equipment used in TV

and radio broadcast stations, etc. It features a digital sound signal processing system that efficiently adjusts multiple sounds. All models have an audio network function that facilitates IP networking to streamline broadcast facilities.



Wireless devices

Our wireless devices are used in the production of TV and radio programs. Employing a high-compression audio codec to ensure high sound quality, the DECT intercom offers high functionality including two-group simultaneous listening despite its compact size and light weight. The OFDM digital wireless microphone is a high-quality professional-use wireless microphone that features good radio propagation properties that are unaffected by noise.



"One Tamura" strategy

Tamura has outstanding products and technologies in each business sector. The Tamura Group will share best practices in each business sector to work as one on automotive applications, power electronics, and IoT/next-generation communication—markets that are expected to grow significantly in the future. With One Tamura power, we will create new social value and contribute to building a sustainable society by providing attractive and impressive products.

Automotive



There is an increasi eco-friendly cars, such hybrid/plug-in hybrid cars are gradually bec Tamura provides a w tive-related products not only fuel consum tal performance of ec driving and accelerati making efforts to furt ucts, we will enhance t as well. We will help in of eco-friendly cars a spread use by using Ta nological capabilities.

Power electronics



Spreading renewable energy efficiency are Aiming to establish its ergy market, Tamura large transformers an power generation or distribution. Tamura v electronics by provid improve energy efficie appliances, and traffic

IoT/next-generation communication



The market for IoT an munication is expected in the future. We are vanced products and next-generation com electrochemical mate vices that have beco functional, such as 5G networks) smartphone audio communication with ultra-high-definit near-field wireless con capable of high-speed munication; and overw to support an aging so

Gallium oxide power devices

Tamura Corporation, in cooperation with Novel Crystal Technology, Inc.*, is working on the R&D of gallium oxide, a promising candidate for semiconductor material in next-generation power devices. Gallium oxide power devices with medium to high withstand voltage are expected to contribute to energy saving.

*Novel Crystal Technology is a carve-out venture from Tamura and a technology transfer venture from the National Institute of Information and Communications Technology (NICT).

Identifying visitors' locations in a stadiur



TS-LINK[®]

TS-LINK is Tamura's original wireless technology for the IoT area. It uses the time-division multiple access (TDMA) system to avoid wireless communication interference while allowing a large number of mobile terminals to be networked densely and be moved freely. We are promoting its use in the management of visitors' entry to and exit from a large event venue, the identification of their locations at the venue, etc.

TAMURA CORPORATION REPORT 2019

13

CORPORATE PROFILE

| ng global demand for a selectric vehicles and vehicles and eco-friendly coming the mainstream. vide range of automo- necessary to improve aption and environmen- co-friendly cars but also ion performance. While ther improve such prod- the production structure nprove the performance nd promote their wide- mura's outstanding tech- | [Electronic components] Boosting reactors/coils Reactors for battery chargers Current sensors [Electrochemical materials] Solder paste for automotive applications Solder resist for automotive applications [FA systems] Reflow soldering systems for automotive applications |
|--|--|
| energy and improving becoming global issues. self in the renewable en- offers on a global scale d reactors used in wind power transmission and will also promote power ling products that help ency for factories, home control. | [Electronic components] Large transformers/reactors Gate drivers Gallium oxide power devices (For details, see bottom of this page.) [Electrochemical materials] Residue-free paste for power devices |
| ad next-generation com- ed to grow dramatically e offering the most ad- technologies for IoT and munication, including rials for electronic de- ome increasingly multi- is (5th generation mobile es and wearable devices; technology compatible tion 4K/8K videos; new munication technology and high-capacity com- vatch sensing technology tecty. | [Electronic components] Price display units for vending machines Human sensors (overwatch) [Electrochemical materials] Solder resist for flexible PCBs Laser soldering paste Reversibly stretchable joining material Solder paste for semiconductors Self-assembling materials [FA systems] FA systems] 4K/8K audio consoles Networking of audio systems |



Product Lineup

Tamura's Technologies Supporting Society, Industry, and Daily Life

Tamura's products have been supporting various industries and social infrastructure as "materials," "components," and "devices" that range from consumer products, such as automobiles and electronic equipment, to devices at manufacturing sites and naturalenergy-related and aerospace fields. From raw materials to complete systems, Tamura's technologies have contributed to safety and comfort as well as energy savings.



15

CORPORATE PROFILE



CSR goals and results

The Tamura Group is promoting CSR in such areas as "environment," "human rights/labor," "quality," "social contribution,""compliance/corporate ethics,""risk management," and "information management," in relation to the environment, society, and governance.

Self-assessment criteria

100% or higher achievement

Report page

Web: https://www.tamuracorp.com/csr/ All activities, with some exemptions, are reported.

| Area of Activity | Task | FY2018 Goals | FY2018 Main Activity Results | | Self- assessment | Report page | FY2019 Goals |
|--|--|---|--|---|---------------------|--|---|
| Environment 6 CLANSTREAM Image: Comparison of the state of t | [Environment] Offering eco-design products Reduction in use of sub- stances of concern Promotion of energy and resource savings Promotion of group-wide integrated ISO 14001 certification | Ratio of eco-design product sales to total sales Premier eco-design products: 12% Reduction in amount of substances of concern: 60% reduction in basic unit compared with FY2005 Reduction of CO₂ emissions: 13% reduction compared with FY2005 Compliance with environmental laws and regulations | Ratio of eco-design product sales to total sales Premier eco-design products: 11% [Target not achieved] | Reduction in amount of substances of concern: 56% reduction [Target not achieved] Reduction in power consumption: 18% reduction [Target achieved] No violations of environmental laws and regulations Completion of shifting to compliance with ISO 14001:2015 Implementation of ISO 14001:2015 education for internal auditors | | Pages 19-20 Web: | Ratio of eco-design product sales to total sales Premier eco-design products: 13% Reduction in amount of substances of concern: 60% reduction in basic unit compared with FY2005 Reduction of CO₂ emissions: 14% reduction compared with FY2005 Compliance with environmental laws and regulations |
| Society Human rights/Labor 3 Ageneiden | Enrichment of internal employee education Establishment of fair and impartial personnel evalua- tion system Promotion of diversification Stimulation of internal communications Promotion of CSR procurement | Development of global human resources Improvement of appropriate working environment Continuous provision of overseas training Enrichment of healthcare Promotion of safety and sanitation Execution of the action plan to promote active female participation Response to conflict minerals issues | Global expansion of personnel system Overseas training for new employees Implementation of appropriate labor management (for managerial personnel) Implementation of labor management training and stress management training Execution of the action plan to promote active female participation Introduction of diversity training for managers Introduction of career design training for general employees Promotion of taking paid leave (up 5% YoY) Revision of overtime/days off regulation as an improvement of the 36 Agreement (Article 36 of Labor Standards Act) | Implementation of stress check and periodic stress counseling Workplace inspection for safety and sanitation, and implementation of traffic safety training sessions Extension of the periods of childcare leave and shorter working hours for childcare Introduction of the reemployment system for former employees Promotion of employment of disabled/elderly persons Survey of suppliers on their use of conflict minerals Promotion of conclusion of contracts, etc. in accordance with "Procurement Guidelines" Disuse of conflict minerals Elimination of antisocial forces | * | Page 21 Web: ◆ Supply Chain Management ◆ Human Rights/Labor | Development of global human resources Improvement of appropriate working environment Continuous provision of overseas training Enrichment of healthcare Promotion of safety and sanitation Execution of the action plan to promote active female participation Response to conflict minerals issues |
| Output PORTENANTIAL | [Quality] • Further increase in cus- tomer satisfaction • Increased green procurement | Quality improvement awareness-building activities during the Quality Month Hosting of the Tamura Group Quality Promotion Conference Update of green procurement standards Strengthening of management of chemi- cal substances in products | Message sent by officers responsible for quality on the first day of Quality Month Hosting of the 12th Tamura Group Quality Promotion Conference Design Review Working Seminar started Implementation of design review working seminar, introduction of design reviewer training, human error prevention training, and job teaching training | Update of green procurement standards Promotion of sharing of information on establishment, revision, and abolishment of laws and regulations for chemical substances in products | * | Web: ◆ Quality/Service ◆ Supply Chain Management | Establishment/enhancement of quality education system Quality improvement awareness-building activities during the Quality Month Hosting of the Tamura Group Quality Promotion Conference Update of green procurement standards Strengthening of management of chemical substances in products |
| Social contribution 3 commetation | Continuous social contribution activities Coexistence with community and volunteer activities Promotion of cultural, art, and sports activities | Donation activities Hosting of Monozukuri (manufacturing) School Promotion of sports Implementation of internship and job experience programs Coexistence with the community and vol- unteer activities Promotion of resources recycling activities | Donation activities Hosting of Monozukuri (manufacturing) School Support for the Drop-in Center Project in Bangladesh Support for sports activities Sponsorship of women's football team (Chifure AS Elfen Saitama) Sponsorship of 2019 Nerima Kobushi Half-Marathon | Implementation of internship and job experience programs Implementation of volunteer activities Promotion of environment beautification activities near and around individual business sites Participation in the Akaya Project Collection of disposable contact lens cases started Contribution of used books started Promotion of Eco-cap Campaign Promotion of supporting UNICEF by collecting foreign coins | * | Pages 22 Web: | Donation activities Hosting of Monozukuri (manufacturing) School Promotion of sports Implementation of internship and job experi- ence programs Coexistence with the community and volun- teer activities Promotion of resources recycling activities |
| Compliance/ Corporate ethics | Dissemination of CSR Promotion of compliance with laws and regulations Enhancement of compliance education | Review of Tamura Group Code of Conduct Dissemination of SDGs Promotion of compliance education | Establishment of SDGs Basic Policy in Tamura Group Code of Conduct Internal dissemination of SDGs through CSR lectures, internal magazines, etc. Group training regarding the Unfair Competition Prevention Act Notice to pay attention to Competition Law | Discussion-based training in small groups using training materials Issuance of an e-mail magazine, in which familiar news, case studies, etc. of compliance violations are explained in an easy-to-understand manner | * | Page 21 Web: ◆ CSR at Tamura Group ◆ Compliance | Continuous dissemination of SDGs Promotion of compliance education |
| Risk management | Strengthening of risk management | Periodic/occasional review of business continuity plan (BCP) documents Implementation of emergency drills | Global implementation of BCP in individual business segments Implementation of evacuation drills and safety confir- mation drills at domestic business sites | Improvement of stockpile at each business site in Japan | | Web: ◆ Risk Management ◆ Human Rights/Labor | Periodic/occasional review of BCP documents Implementation of emergency drills |
| Information management 16 reference Assimute Ass | Reinforcement of data pro- tection program More timely and appropri- ate disclosure of corporate information | Reinforcement of the information protection system Timely and appropriate corporate information disclosure on Website | Enhancement of network security against cyberattack and information leakage | Timely and appropriate corporate information disclo- sure on Website | * | Web: ◆ Risk Management ◆ IR Communication | Reinforcement of the information protection system Timely and appropriate corporate informa- tion disclosure on Website |

CSR REPORT DIGEST

80–100% achievement



Less than 80% achievement

Page number indicates the page on which activities are reported in the Tamura Corporation Report 2019.

18

Environmental topics



Contribute to achieving SDGs through global integrated certification

The Tamura Group established a globally unified environmental management system in FY2006 and integrated 24 sites at 16 companies by FY2018, the intent of which was for the Group as a whole to improve environmental performance and strengthen environmental governance. In addition, the Group has added the Sustainable Development Goals (SDGs) to its environmental policy to work on reducing environmental impact through continuous improvement activities, and aims to contribute to creating a sustainable society.

Tamura Group Environmental Policy

Environmental Concept

Main Measures

The Tamura Group conducts all its business activities in harmony with the environment by promoting sustainable resource use, climate change mitigation and adaptation, and biodiversity and ecosystem protection. These activities are based on the Group Mission Statement: "The Tamura Group supplies an original range of products and services, highly regarded in the global electronics market, to satisfy the evolving needs of customers, employees, and shareholders supporting the Group's growth."

Fully recognizing the global targets specied in the SDGs (Sustainable Development Goals) and the Paris Agreement and with the aim of achieving continuous business growth, the Tamura Group focuses on the following environmental protection activities in its business operations, including design, development, production, and after-sales service of electronic components, electrochemical materials, soldering equipment, and information equipment, by utilizing its environmental management system, observing pollution prevention practices as well as laws and regulations, and working on their consistent improvement.

Ultra-thin signboard LED module Shining Soleil

Shining Soleil is an LED light source for one-sided thin sign-

boards. It can be used for ultra-thin signboards (up to 30 mm)

thanks to Koha's original optical design, in the same way as Shining

Axis, an LED light source for double-sided signboards. Shining Soleil

is a specialized LED light source for ultra-thin signboards. It realizes

uniform luminance thanks to the use of an optical lens made by

using a fine processing technique to reduce uneven light emission.

It weighs approximately 60% less than an existing light source for

light guide plates used for thin signboards of approximately 30

- 1. The supply of eco-friendly products.
- 2. Control and reduction of environmental burden materials.
- 3. Promotion of energy conservation and saving resources.



Efforts on premier eco-design products

The Tamura Group carries out product environmental assessment in the development and design phases to minimize environmental impact, and strives to contribute to achieving the SDGs through the development and provision of premier eco-design products.

DECT-based Intercom System

The DECT-based Intercom System offers improved usability and allows development of larger systems than a conventional digital intercom system (PHS standard).

[Features of the system]

• The number of talking groups in a studio of a broadcast station, etc., is generally 3 to 4, necessitating two units of the conventional system, but this has been reduced to one unit of this system (MKC96).



Active Antenna

(MK-A96)

The number of networked personal stations per antenna (MK-A96) has been increased from 4 to 10, and communication distance has been tripled; therefore, it is possible to greatly reduce the number of antennas installed. For short communication distance, reducing transmission power leads to power saving and decreases inter-

ference

nal Station (MK-B96)

Main Controlle (MK-C96)

Produc

delivery and installation.



High-frequency reactor for resonance L circuits and boundary-current mode, having high efficiency and high performance

A circuit that causes loss in a reactor, such as a resonance circuit or a critical mode, is increasingly used in energy, air conditioning, and various other fields. This product features a low-loss ferrite core and an edgewise coil that minimizes high-frequency loss. In addition, the division of gaps reduces loss due to flux leakage from the gaps. Magnetic-field analysis has been utilized effectively for the optimization of this gap configuration. The structure and configuration of the

reactor were examined in this way, and further loss reduction and energy saving were achieved.

Coil loss comparison (analysis)



Loss is gathered Loss is reduced through in gaps analytical optimization

High-reliability, crack-resistant solder resist for

automotive use, DSR-2200ACR-11

The increasing popularity of eco-friendly cars (hybrid vehicles, electric vehicles, etc.) has ushered in an increase in the number of electronic control units (ECUs) installed in one car. To save space and reduce weight, the installation of ECUs in a harsher, higher-temperature environment is expected. Therefore, solder resist for PCBs used in ECUs needs to exhibit better resistance to a high-temperature environment. This product has higher heat resistance and lower elasticity (flexibility) than conventional products. In a thermal cycle test of -40°C ⇔ +125°C assuming a high temperature environment, cracking in the solder resist was significantly suppressed, achieving a life cycle number of 20 times or more in comparison with conventional products (results of evaluation test in the company). It has high flexibility as well and can be used in PCBs that are bent when assembled (rigid flexible PCBs). It is a halogen-free product that contributes to space saving through the bending assembly.

Crack resistance test results (-40 °C⇔125 °C after 3,000 cycles)



19

CSR REPORT DIGEST

Upgraded version of energy-saving reflow TNV series, TNV-Ver. III

TNV-Ver. III is an upgraded version of the energy-saving reflow TNV series. This product is equipped with convection control technology that efficiently circulates gas in the system, thereby reducing flux adhesion to the inner surface of the furnace and decreasing cleaning frequency and nitrogen consumption. Expanding the cleaning cycle improves customers' productivity, and reductions in nitrogen consumption and cleaning frequency allow for energy saving and resource saving, respectively.



Jet-dispensing Pb-free solder pastes JDS204F-MJ21-HF and JDS204G-MJ21-HF

These products use the solder composition of SAC305, which is Pb-free, and are regarded as halogen-free under the JPCA-ES01 standard. The use of jet dispensing as a contactless solder application process is being considered for solder supply to flexible printed circuit (FPC) boards, which are difficult to position by existing printing processes, and to circuit boards with cavities or three-dimensional circuit boards, which are very difficult to print by using a conventional printer. Currently, the JDS series offers two types of solder paste products according to the application diameter, and provides discharge stability and reduces scattering (satellite) during jet dispensing. Because it is treated in a contactless and maskless manner, no mask cleaning is needed, in contrast to a conventional assembly process. Therefore, it is an environmentally conscious product in terms of both characteristics and processes, helps meet the needs of next-generation customers, and responds to increasing environmental awareness.



Social & Governance Topics



Engagement with SDGs

The Tamura Group, based on the understanding that the SDGs (Sustainable Development Goals) adopted by the UN General Assembly in 2015 represent important agenda to be tackled by the society, has been undertaking efforts to integrate the concept of SDGs into its operation.

Establishment of basic policy

The "Tamura Group Code of Conduct" was revised to identify the SDGs as the agenda to be worked on by the whole Group, and a basic policy was established (See page 01). We have developed a strategy for sustainability and have been promoting it by incorporating the SDGs into the 12th Medium-term Management Plan that started in April 2019.

Strategy for sustainability

Business growth by solving social problems

We are making efforts to improve the core competence of each business and to develop and supply products and solutions that can contribute to solving social problems.

Contribution to the realization of a decarbonized society We are making efforts to promote energy saving and to reduce CO₂ emissions in our business activities.

Disclosure of non-financial information

We are making efforts to improve corporate value by appropriately responding to information needs of stakeholders.

Company-wide dissemination

With the aim of having all employees of the Group understand and work toward realizing the SDGs as if it were their own, we have been promoting various in-house dissemination measures since FY2018.

SDG lecture meeting

An SDG lecture meeting was held with renowned visiting lecturers who are experts in the theory and practice of corporate value improvement in attendance. The invited lecturers were Mr. Hidemitsu Sasatani (the then adviser of ITO EN, LTD.), who talked about "Integration of SDGs into business management" and Mr. Masao Seki (senior adviser of CSR at Sompo Japan Nipponkoa Insurance Inc.), who talked about "Practicing SDGs in actual business." In

the audience were a large number of officers and managers of Tamura Corporation and its affiliates, and they were able to deepen their understanding of the SDGs.



Internal magazine

21

In an effort to raise awareness of the SDGs, a column dedicated to the SDGs has been serialized since the October 2018 issue. The translated versions of the magazine have been delivered to overseas bases as well.



♦SDG badges and business cards

With the aim of communicating to outside stakeholders our commitment to business with awareness of the SDGs, our approval of the SDGs, and our proactive efforts, SDG badges are distributed to employees and the SDG logo appears on their business cards.



Efforts in workstyle reform

By balancing efforts to improve job satisfaction with appropriate labor management and by building an organization that values communication, we have been working on establishing a company culture where employees can pleasantly engage in work without much stress. Further, we aim to create a work environment that has a system for responding to diversity and various lifestyles so that everyone, regardless of gender and nationality, can continue to work safely for many years. We have been focusing our efforts on taking more positive action for the "promotion of active social participation by women."

In FY2018, two new seminars were started, as follows:

- Seminar for managers to learn the way of thinking, behavior, and management for the promotion of diversity in general, including guidelines for active social participation by women
- Seminar for general staff to learn ways of designing their future careers, making and implementing action plans, and building their foundation so that they may be able to continue working actively in the face of various life events.

In addition to the above, seminars on labor management and stress management were also held, targeting managers in all the business units on a regular basis.

Tamura Corporation will continue its efforts to carry out compliance-based labor management and to fully realize a work environment with minimal stress.

Participation in Akaya Project^{*}

As a corporate member of (public utility foundation) the Nature Conservation Society of Japan, Tamura Corporation has been supporting the "Akaya Project" for biodiversity restoration by offering use of the Company's resort house and training facilities located at the foot of the Akaya Forest where the project's activities are carried out. In November 2018, aiming to restore the area from an artificial forest

to a natural one, the employees of Tamura Corporation and group companies participated in improvement cutting on a voluntary basis.



*Akaya Project: A project to promote biodiversity restoration and realize a sustainable regional community through joint cooperation of three core organizations, namely, the "Akava Project Regional Council" that consists of the region's residents, the Forestry Agency Kanto Regional Forest Office, and the Nature Conservation Society of Japan. This project is taking place in the Akaya Forest, a national forest that measures approx. 10 thousand hectares (10 km x 10 km), extending from the northern area of Minakami Town, Gunma Prefecture to the prefectural border with Niigata Prefecture.

Monozukuri (Manufacturing) School

Since 2008, the Monozukuri (manufacturing) School has been held every year to convey the joy of monozukuri to the next generation, who will be the builders of the future. At the School, such skills as how to make an AM radio are taught to children by the Company's employees. In FY2018, the School was also held in

Tamura Corporation Sakado Factory, Wakayanagi Tamura Corporation, and Aizu Tamura Corporation, which received a favorable response.





 Sakado Factory, Tamura Corporation Aizu Tamura Corporation 2) Wakavanagi Tamura Corporation

Winner of the Self-Defense **Firefighting Competition**

Aiming to minimize damage in the event of a fire, the Tamura Group has established a self-defense fire-fighting unit at each office/factory to which the Fire Defense Law is applicable. At the head office and Tokyo Factory, employees trained in

how to handle fire hydrants participate every year in the local self-defense firefighting competition. In 2018, they won the first place in the category of "operation of Type 1 Fire Hydrants."



CSR REPORT DIGEST

Sakado Factory Rebuilding Project

As part of efforts to restructure business related to electronic components, the Sakado Factory (located in Saitama Prefecture) as the core base was rebuilt and operation was started in September 2018. This is a highly sustainable office building that aims to reduce environmental load by realizing substantial energy saving, and to establish a comfortable and pleasant work environment based on the concept of "environmental and human friendliness." Equipped with high earthquake resistance and the capability of continuing business operations with less energy in the event of a disaster, the building also contributes to the BCP (Business Continuity Plan).





Environmentally-friendly Building Certified as Nearly ZEB

In the FY2017 Net Zero Energy Building (ZEB) Verification Project, the building received Nearly ZEB certification for achieving over 75% energy saving through both reduction of building energy consumption and energy supply by energy generation.

Details of efforts to attain ZEB

• Use of high-performance heat-insulating material and sashes Introduction of high-efficiency, business-use, and multi-type air-conditioners, total heat exchangers, and auto-dimming LEDs • Energy generation with solar panels, whose operation adopts BEMS for energy saving

Designated as "Sainokuni Factory" by Saitama Prefecture

Thanks to our acquisition of the Nearly ZEB certification for the new building, the implementation of plant tours, and the Monozukuri School, our social contribution activities to the local



community were highly regarded and the Sakado Factory was recognized as a technologically and environmentally excellent factory and designated as FY2018"Sainokuni Factory" by Saitama Prefecture.

Voice of the staff in charge of the project

General Affairs Group, Human Resources & General ninistration Div., Sakado Factory Shunichi Shimizu





e were pleased to have been awarded the Nearly ZEB certification as our efforts in ZEB had been unprecedented in the whole Tamura Group. We have not yet reached our goal and will continue working on energy saving. Our efforts in "environmental & human friendliness" have just started.

Corporate Information

| Company Prof | ile | | Organization Map | (as of April 1, 2 |
|------------------------------------|---|---|--|-------------------|
| Company name Founded Capital | TAMURA CORPORATION May 11, 1924 (Incorporated in Nov 21, 1939) ¥11,829 million | | Board of Directors Chairperson · President | Board of Au |
| Share capital | (as of Mar. 31, 2019) Authorized Issued and outstanding (Not including 728,716 s Closing date Number of shareholders | 252,000,000 shares 82,042,757 shares hares of treasury stock) March 31, each year. 11,774 | | Marke |
| Directors/ Corporate officers | (as of June. 26, 2019) Chairperson and Representative Director | Naoki Tamura | | Huma |
| | President and Representative Director | Masahiro Asada | | Elec |
| | Director/ Vice President | Yusaku Hashiguchi | | |
| | Outside Director | Takeo Minomiya Akira Kubota Haruko Shibumura | | |
| | Director/Senior Executive Officer | Norihiko Nanjo Shoichi Saito | | |
| | Standing Auditor | Hajime Kubo | | |
| | Outside Auditor | Koichi Moriya | | E |
| | | Atsuji Toda | | Elect |
| | | | | |

114



019)

Major financial information (consolidated) Net sales (Millions of ven) Electronic Chemicals / Image Information Electronic Chemicals / Image Information Equipment 100,000 86,248 87,008 85,558 84,642 79,607 1 1 2 3 4,123 5.251 80,000 4 030 60.000 40,000 7.738 5.874 4.60 54.794 51.949 20,000 2014 2015 2016 2017 2018 (FY)

% Net Sales for external Customers by business segment (excludes internal net sales between different businesses).
 % The amount of net sales for each fiscal year includes other operations (transportation, warehousing and others).

• Ordinary income/Ordinary income to net sales ratio



ROE (Return on Equity)



Net assets per share





• Operating income/Operating income to net sales ratio

• Net income attributable to shareholders of parent / Ratio of net income to net sales attributable to shareholders of parent





Capital expenditure





EUROP

U.K./Czech Tamura Europe Limited Germany 📕 Tamura Elsold GmbH Italy 📕 Tamura Magnetic Engineering S.R.L.

ASIA

Tamura Chemical Korea Co.,Ltd. Korea Tamura Corporation of Korea Tamura Professional Solution Korea Co., Ltd. Th China Tamura Corporation of China Limited Shanghai Xiangle Tamura Electro Chemical Industry Co., Ltd. Tamura FA System (Suzhou) Co., Ltd. Tamura Seiko Electronics (Changshu) Co.,Ltd. Si Tamura Electronic Material (Tianjin) Co.,Ltd. Vi Hefei Ecriee-Tamura Electric Co.,Ltd. Tamura Kaken (Dongguan) Ltd. Tamura Electronics (S.Z.) Co.,Ltd.

Tamura Electronics (Huizhou) Co.,Ltd.

| Hong Kong | Tamura |
|------------|-----------|
| Taiwan | Taiwan T |
| Thailand | Tamura (|
| | ESE Indus |
| Malaysia | Tamura I |
| | Tamura |
| Singapore | Tamura (|
| Vietnam | Tamura (|
| Bangladesh | Op-Seed |
| Myanmar | Earth Tai |
| India | Tamura B |
| | |

Corporation of Hong Kong Limited amura Technology Co., Ltd. Corporation (Thailand) Co.,Ltd. stries (Thai) Co., Ltd. Electronics (M) Sdn.Bhd. Kaken (M) Sdn.Bhd. Corporation Singapore Pte.Ltd. Corporation Vietnam Co.,Ltd. l Co., (BD) Ltd. mura Electronic (Myanmar) Co.,Ltd. Elcomponics Technologies Pvt.Ltd.

Rebuilding of the Sakado Factory

The Sakado Factory (Sakado City, Saitama Prefecture) was rebuilt and operation of the new building was started in October 2018. At the same time, the manufacture of in-vehicle-related and aviation/space-related products was moved to Wakayanagi Tamura Corporation. Optimum allocation of the electronic component-related business is in progress.

The Sakado Factory opened in 1980 as a core base for production, development, and sales of the electronic components, but the production function was later moved to domestic and overseas Group companies. On the other hand, its role as the core base for product

development and marketing has been increased. A layout that best suits the expected future role of the Sakado Factory has been realized in this new and compact building, which has been awarded the Nearly ZEB certification and has already started operation. (See page 22 for details.)



New Factory Building of Wakayanagi Tamura Corporation

The new factory of Wakayanagi Tamura Corporation (Kurihara City, Miyagi Prefecture) was completed in October 2018 in response to the increasing demand for "boosting reactors for eco-friendly cars" used in hybrid vehicles, plug-in hybrid vehicles, electric cars, etc. High-volume production started in the second half of FY2019 and additional investment for further expansion of production capacity is scheduled as well.

Wakayanagi Tamura Corporation opened in 1966 as a manufacturing factory for small transformers. Having changed its production items from time to time, it now

plays an important role as the core factory for the electronic components business. Despite the severe damage caused by the Great East Japan Earthquake in March 2011, the employees have strived hard to achieve recovery and have been able to resume business operation.





• Composition of net sales by region (consolidated) (FY2018)



CORPORATE DATA



- FA Systems
- Information Equipment

AMERICAS

Brazil

The

U.S.A 📃 Tamura Corporation of America Tamura Kaken Corp.,U.S.A **Mexico** Tamura Power Technologies de Mexico, S.A de C.V. Telepart-Tamura Industria e Comercio Ltda. Indusul Industria de Transformadores Ltda. Industria Sul Brazil de Transformadores Ltda.

• Number of employees by region (consolidated) (as of March 31, 2019)





This is our **Communication on Progress** in implementing the principles of the **United Nations Global Compact** and supporting broader UN goals.

We welcome feedback on its contents.



TAMURA CORPORATION https://www.tamuracorp.com/

1-19-43, Higashi-Oizumi, Nerima-ku, Tokyo JAPAN 178-8511