KYOCERA

THE NEW VALUE FRONTIER

KYOCERA Corporation

https://global.kyocera.com

About KYOCERA Corporation



The information in this brochure is current as of August 2023, unless otherwise noted.



E23-8

# CORPORATE PROFILE

KYOCERA Corporation

# *Our Future, Together*

## Toward a Better Future, Together with the World

Kyocera aims to create a better future for the world,
using the power of technology to solve issues we face as a global society.
This ambition is rooted in our Kyocera Management Rationale:
to contribute to the advancement of society and humankind.

We will continue to work together with people around the world
to solve issues critical to society leveraging all of the technologies
and management capabilities we have accumulated
during our 60-plus year history.





## Combining the Diverse Strengths of the Kyocera Group to Create New Value

**Goro Yamaguchi**
Chairman and Representative Director

**Hideo Tanimoto**
President and Representative Director

Since Kyocera was founded in 1959, we have grown our business based on the Management Rationale developed by our founder, Dr. Kazuo Inamori: “To provide opportunities for the material and intellectual growth of all our employees, and through our joint efforts, contribute to the advancement of society and humankind.”
Changes in societal and economic structures are progressing rapidly, on a larger scale, and based on new perspectives, unlike anything we have seen before. As a result, we expect many new business opportunities, but as a truly global company, we also have a responsibility to tackle a broad range of issues facing society.
For the Kyocera Group to contribute to society, continuously improve our corporate value, and uphold our Management Rationale, we believe it is necessary to continue taking on new challenges rather than being bound by traditional ways of thinking.
With a sense of urgency in response to our changing times, we aim to enhance Kyocera’s corporate value and achieve a sustainable society by applying all of our technological capabilities and management resources, and by helping every employee reach their full potential.

### Corporate Motto

敬天愛人

Respect the Divine and Love People

Preserve the spirit to work fairly and honorably, respecting people, our work, our company and our global community.

### Management Rationale

To provide opportunities for the material and intellectual growth of all our employees, and through our joint efforts, contribute to the advancement of society and humankind.

### Management Philosophy

Living Together. To coexist harmoniously with our society, our global community and nature. Harmonious coexistence is the underlying foundation of all our business activities as we work to create a world of prosperity and peace.

### Management Based on the Bonds of Human Minds

Kyocera started as a small, suburban factory, with no money, credentials or reputation. We had nothing to rely on but a little technology and 28 trustworthy colleagues. Nonetheless, the company experienced rapid growth because everyone exerted their maximum efforts and managers devoted their lives to earning the trust of employees. We wanted to be an excellent company where all employees could believe in each other, abandon selfish motives, and be truly proud to work. This desire became the foundation of Kyocera’s management.
Human minds are said to be easily changeable. Yet, there is nothing stronger than the human mind. Kyocera developed into what it is today because it is based on the bonds of human minds.

**Kazuo Inamori**
Founder

Kyocera contributes to sustainability through our business activities by acting on critical issues arising from global economic conditions, trends in the international community, and stakeholders' expectations.

The Kyocera Group's management rationale is "To provide opportunities for the material and intellectual growth of all our employees, and through our joint efforts, contribute to the advancement of society and humankind."
We believe our mission includes achieving Sustainable Development Goals (SDGs) and helping solve critical issues facing society through our business activities.


## Critical Issues Facing Society

Our business activities aim to solve a broad range of issues facing society.

- Improving the global response to climate change
- Resolving labor shortages in major industrialized countries
- Sustainable use of water and natural resources
- Preventing traffic accidents and ensuring comfortable transportation
- Expanding information infrastructure through technological innovation
- Resolving labor shortages in the medical industry and reducing healthcare costs

## Management Foundation

We strive to solve critical issues facing society using the Kyocera Philosophy and Amoeba Management System as the foundation of our business activities.

### The Kyocera Philosophy

The Kyocera Philosophy relates to life and management. Its central principle is to "Do what is right as a human being," a concept we include in all of our decision making. By showing the importance of fairness and diligent effort, it serves as a paradigm for our conduct.

### The Amoeba Management System
(Decentralized Management)

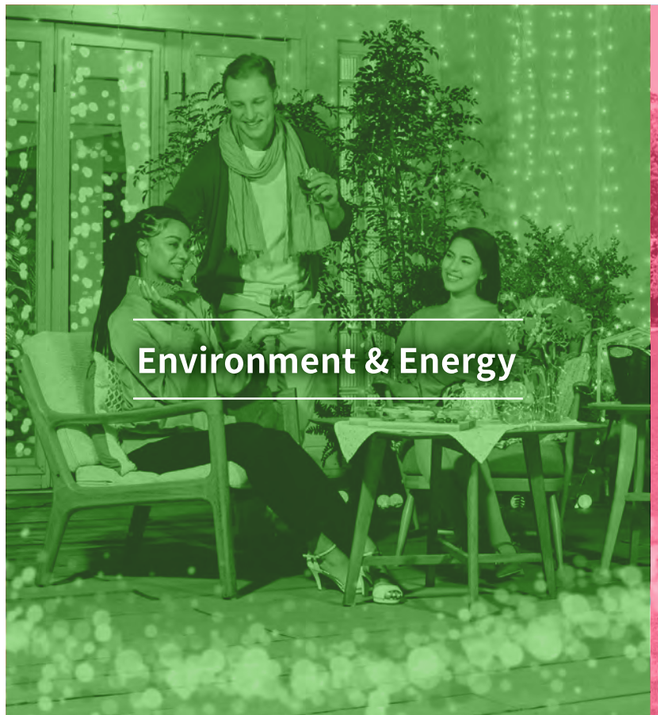
Amoeba Management involves dividing an organization into small units that operate as independent profit-and-loss centers directly linked to their respective markets. This system fosters leaders with management awareness and creates the foundation for Kyocera's "Management by All."





## Four Main Growth Markets

We aim to develop new technologies
and create synergies within the Kyocera Group
focusing on four main growth markets









# Connecting the World with Information and Communications Technology (ICT)

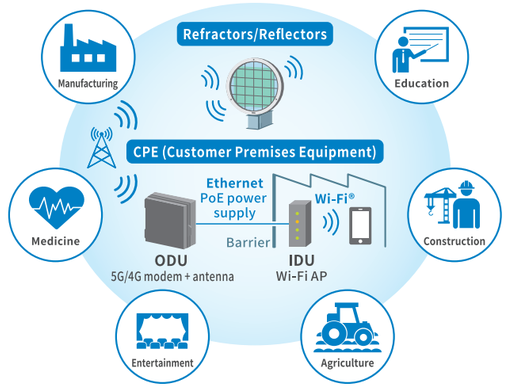
Today's ever-changing world keeps fueling demand for faster, more convenient, more reliable modes of communication. Kyocera's expertise in information and communications technology is promoting a future that is more connected than ever, through cutting-edge ICT solutions — including smartphones, Internet of Things (IoT) applications, and ICT engineering services.

## Innovative 5G-Related Solutions and Applications

### 5G Millimeter-Wave Infrastructure Equipment

As more and more people upgrade to 5G, millimeter wave technology, which enables greater coverage of 5G communication traffic, is gaining attention. Kyocera is conducting research and development of 5G millimeter-wave infrastructure equipment, such as CPE (customer premises equipment) and metasurface refractors and reflectors, by combining various technologies that we have developed over many years in our telecommunications business. By developing infrastructure equipment compatible with millimeter waves, we can help unleash the full potential of 5G to help solve labor shortages at manufacturing sites using remote robots, streamline remote monitoring using high-definition video, and solve other issues in a wide range of situations.

**5G Millimeter-Wave Development Markets**




* Wi-Fi® is a registered trademark of the Wi-Fi Alliance.

## Products & Solutions

### Full Support from Network Devices to Services

Kyocera is committed to offering "JAPAN MADE" mobile communication solutions — providing rugged devices with targeted hardware and software capabilities along with a dedicated device lifecycle support system.

High-Durability Rugged Smartphone TORQUE®

5G-Compatible Device K5G-C-100A

MCA Advanced Wireless Radio KC-PS701

* "TORQUE" is a registered trademark of KYOCERA Corporation.

### Helping Customers Put Knowledge to Work to Drive Change

#### MFPs, Printers, and ECM*1 and CSP*2 Solutions

Kyocera's document solutions product portfolio includes a wide range of environmentally friendly and economical MFPs and printers, in addition to commercial inkjet printers. We provide ECM and CSP solutions that improve the operational efficiency and productivity of companies and enable them to comprehensively manage and use all their in-house information and data.

*1 ECM: Enterprise Content Management
*2 CSP: Content Services Platform

MFPs and Printers

Commercial Inkjet Printers

### Advanced Components Supporting a Connected Society

#### Electronic and Semiconductor Components

Utilized in devices ranging from smartphones to industrial machines, we develop foundational technologies for an increasingly digital world.

Ceramic Capacitors | Tantalum Capacitors | Crystal Devices | Ceramic Semiconductor Packages | Organic Semiconductor Packages

### Fine Ceramic Components for Semiconductor Manufacturing Equipment

Kyocera's Fine Ceramic components offer high precision, chemical stability, and durability at high temperatures to help customers achieve integrated, high-quality manufacturing.

Semiconductor Manufacturing Components






# Contributing to a Safe and Secure Mobility Society

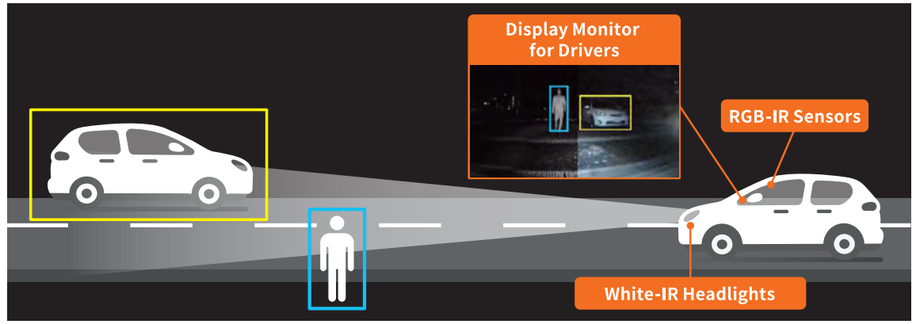
Advancements in autonomous driving, advanced driver assistance systems (ADAS), and environmental awareness are pushing the automotive industry toward a major transformation. In addition to supporting safer vehicles, Kyocera is developing technologies and products for a safe and secure mobility society, including smart transportation infrastructure.

## World's First* Headlight Sensor System Combining White and Near-Infrared Light

### Automotive Night Vision

We are developing a system that accurately senses and displays hazardous objects to drivers to support safe driving at night, in rain, fog, or other environments that reduce visibility. Our system integrates the world's first headlight to combine white and near-infrared light with onboard RGB-IR sensors to help overcome common visibility impediments. Our original fusion recognition AI technology enables highly accurate object detection from captured image data.

* Headlights that emit white light and near-infrared light from a single SMD element. (Kyocera research, September 2022).




## Products

### Improving Safety and Assisting Drivers

#### Camera Modules

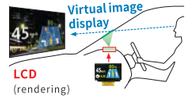
High reliability and advanced optical sensing help enhance vehicle safety and convenience.

#### In-Vehicle Millimeter-Wave Radar Substrates

Substrates with embedded antennas for obstacle detection.

#### Head-Up-Display LCDs

Vehicle speed and other critical driving data are projected above the dashboard. High-definition display technology makes the projection clear and vivid.




#### Automotive Connectors

Kyocera develops electronic connectors for specific automotive requirements, including a high-reliability floating-structure board-to-board connector that absorbs misalignments and vibrations.

### Environmentally Friendly High-Performance Automotive Components

#### Oxygen-Sensor Heaters

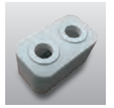
Our sensor heaters reach operating temperature just seconds after a cold engine starts, ensuring cleaner exhaust by allowing emissions sensors to function almost immediately.

#### LED Packages

Ultra-compact, low-profile, surface-mountable packages are ideal for high-brightness automotive LEDs. They also offer high heat dissipation properties.

#### EV Components

Our high-reliability ceramic components are used for motor-drive and charging current switching in electric vehicles and other applications.







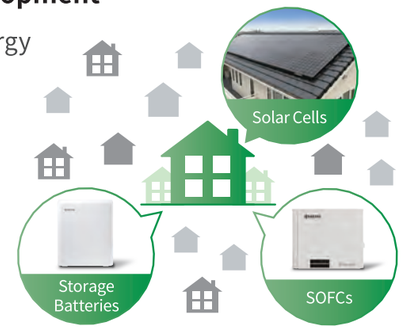

# Advanced Clean Energy Technology for a Sustainable Society

Based on our commitment to improve the world through renewable energy, we have been developing, manufacturing, and operating solar power generating systems for almost half a century, and we have expanded our energy solutions recently to include battery technologies and related products. In the future, we will continue to develop new solutions that protect our global environment and help achieve a carbon-neutral society.

## Proprietary Energy Technology Development

### Advanced Battery Technologies for Clean Energy

Kyocera develops three types of battery solutions to create, store, and save renewable energy: solar panels, storage batteries that store electricity as an emergency power source, and high-efficiency Solid Oxide Fuel Cells that generate electricity from hydrogen or natural gas, while producing hot water from the heat created by power generation.
We want to make sustainable smart cities a reality, so we are carrying out tests to solve energy problems faced by different regions, companies, and factories. Our concept uses artificial intelligence (AI) to predict both power demand from commercial users and power supply from renewable sources, enabling energy supply-demand balance on a building-by-building or area-by-area basis.




*SOFC : Solid Oxide Fuel Cell

## Products & Solutions

### Inkjet Textile Printer for Sustainable Fashion

FOREARTH*1

Machine cleaning and other processes in conventional textile and fabric printing*2 produce huge volumes of industrial wastewater. To solve this large and growing environmental problem, Kyocera's new inkjet textile printer, FOREARTH, has a water-free concept which eliminates many processes that use excessive amounts of water, such as pre-treatment, cleaning, and steaming. With FOREARTH, we aim to reduce the fashion industry's impact on the environment.

*1 "FOREARTH" is a registered trademark or trademark of KYOCERA Corporation in Japan and other countries.
*2 Printing here refers to the printing of patterns on fabric.


(Textile print sample)

### Environmentally Friendly Product Development

#### CERAPHIC® LED Lighting

Purple LEDs and RGB fluorescent materials offer brilliant and beautiful lighting in many settings, including art museums and restaurants. They have advanced color-rendering properties and can produce light close to natural sunlight.

#### Ceramic Knife with a Bio-Derived Handle

The handle of this knife is made of a bio-derived material sourced from sugarcane to reduce petroleum consumption. We are also expanding our use of 100% recyclable, plastic-free packaging.

*"CERAPHIC" is a registered trademark of KYOCERA Corporation in Japan and other countries.



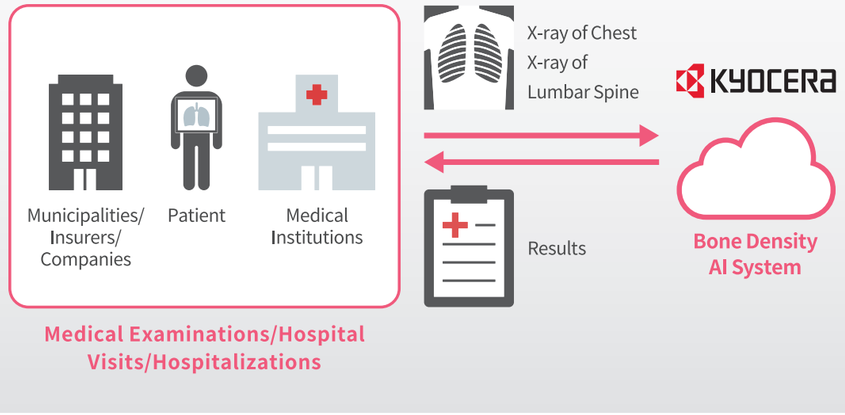

# Advancing Medical Care and Improving Lives

Kyocera develops medical and dental products for orthopedic joint and tooth replacement, which restore lost physical functions, as well as unique devices and systems that enable advanced medical care and optimize daily health management. We provide comprehensive solutions for preventive medical care to extend healthy lifespan and improve Quality of Life (QOL).

## Ensuring Early Detection

### AI System that Supports Osteoporosis Diagnoses

Osteoporosis can cause not only fractured bones, but many other diseases, increasing a person's risk of becoming bedridden or requiring nursing care. Early detection and treatment are essential for maintaining the patient's QOL and curbing medical costs.
Kyocera is conducting joint research with the University of Tokyo for the early detection of osteoporosis. Our system uses AI to estimate bone density from X-ray imaging, improving examinations for earlier diagnosis and better treatment outcomes.

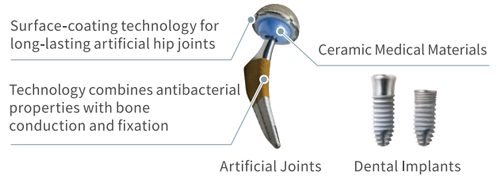



## Products

### Restorative and Regenerative Medical Solutions

#### Artificial Joints / Dental Implants

Kyocera's orthopedic and dental implants incorporate proprietary materials and surface-treatment technologies to optimize the performance and longevity of ceramics and metals.




### High-Quality Devices and Components for Advanced Medical Care

#### Cell Separation and Concentration Measurement Device

This device automatically separates specific cells from blood and other bodily fluids and measures their concentration to support research and development in the life sciences. By reducing labor, it allows more time for analysis, where demand continues to increase.

#### Optical Units for Factory Automation and Medical Use

Kyocera provides optical units for imaging that combine an independently designed lens with lighting and a camera.

# Advanced Solutions for a Broad Range of Applications

Kyocera applies its technological expertise from diverse fields to develop businesses in a wide range of industries. Our goal is to help solve issues central to people's daily lives around the world.

## Solving Labor Shortages with AI-Powered Robotics Solutions

### AI Collaborative Robot System

Kyocera's collaborative robot system uses proprietary AI technology to significantly reduce programming steps, known as teaching, so collaborative robots gain more autonomous operation. Our system is helping expand the use of collaborative robots, which are in high demand to solve labor shortages in a variety of fields.

AI Collaborative Robot System

## Next-Generation Laser Solutions

### GaN Laser Diode Devices

Kyocera is developing Gallium Nitride (GaN) laser diode devices capable of high efficiency and high power output. GaN diodes are expected to be used in many applications, including laser lighting, automotive headlights, Li-Fi networks*, wireless power, and sterilization treatments.

Laser Diode Module

Laser Vehicle Headlights

*Li-Fi: Wireless communication technology using laser light, LEDs, etc., in contrast to Wi-Fi, which uses radio waves

## Products & Services

### Industrial Tools

From cutting tools to pneumatic and electric power tools, we offer solutions for diverse needs as a comprehensive tool manufacturer.

Cutting Tools

Pneumatic and Power Tools

### Engineering Services for Telecommunications and Energy Infrastructure

In addition to providing IT products and solutions, Kyocera builds and operates telecommunications infrastructure and solar power generation facilities.

IT Solutions

Telecommunications and Renewable Energy Engineering

### Lifestyle Products that Enrich People's Daily Lives

Based on our unique Fine Ceramic technology, we provide a broad range of high-quality consumer products — including jewelry and kitchen goods. We also operate several hotels in Japan based on the concept of "Hospitality with a heartfelt smile."

Jewelry

Ceramic Kitchen Goods

Hotel Kyocera (Kagoshima, Japan)

Hotel Nikko Princess Kyoto (Kyoto, Japan)





# Creating New Value for Society with Open Innovation and Collaboration

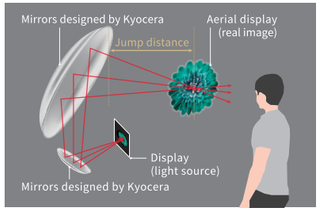
The Kyocera Group promotes open innovation, collaboration, and M&A activities across its global network. We aim to be pioneers who create new value at the cutting edge of technology.

## Providing Unique Solutions Through Cutting-Edge Technology

### High-Resolution Aerial Display

This holographic aerial display can project high-resolution, high-quality, realistic images into the air by combining the optical technology of our mirrors, which we designed to be foldable and compact using our proprietary display and lens technologies.
Kyocera's aerial display has potential applications anywhere high-resolution images are needed, including displays for medical equipment, museums, retail stores, and automotive dashboards.

Aerial Display

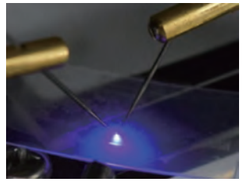


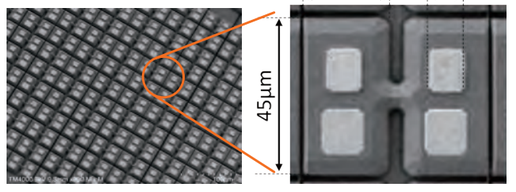

How Kyocera's Aerial Display Works

### GaN[*1] Micro-Light Sources[*2]

Kyocera has been making progress in the development of GaN-based micro-light sources, such as short-cavity lasers and microLEDs. The substrates we developed and the manufacturing method we use make it possible to produce high-quality microLEDs and semiconductor lasers at a low cost.
Potential applications include transmissive displays, VR, and AR, as well as in telecommunications and medical devices because of their high resolution, small size, and light weight.

*1 GaN : Gallium nitride.
*2 Micro light source: A light source with one side of an element less than 100 micrometers (μm).






## Main R&D Facilities

Kyocera operates a global R&D network to deepen our technological capabilities in materials, components, devices, equipment, systems, software, and production process technology.

Minatomirai Research Center (Yokohama, Japan)

Keihanna Research Center (Kyoto, Japan)

Kirishima R&D Center (Kagoshima, Japan)

Santa Barbara Innovation Center at KYOCERA SLD Laser, Inc. (California, U.S.A.)
*Develops GaN devices

# Broader Societal Issues are the Starting Point for Kyocera's Business Activities

We believe that contributing to society is essential for any company. Kyocera promotes corporate social responsibility because it is the right thing to do to help build a more sustainable world for everyone.

## Participation in ESG Initiatives and External Evaluations

Kyocera actively participates in ESG (environmental, social, and corporate governance) initiatives and is evaluated by external parties.

Participation in the United Nations Global Compact

Selected for the FTSE4Good Index Series Based on Outstanding ESG Activities

Member of Dow Jones Sustainability Indices Powered by the S&P Global CSA

Selected for the Dow Jones Sustainability Index (DJSI)

Endorsement of the Recommendations of the Task Force on Climate-Related Financial Disclosures (TCFD)

Granted Platinum Kurumin Certification by Japan's Ministry of Health, Labour, and Welfare based on outstanding employee childcare

Selected for Clarivate's Top 100 Global Innovators list for the second consecutive year in 2023

Greenhouse Gas Emissions Targets Certified as Science-Based Targets

## Business Activities Based on Social Responsibility

### Nearly 50 years of Solar Power Business Development

How can we develop a sustainable society without placing a burden on the global environment? One solution is by developing solar power and promoting renewable energy. Since our initial research and development into solar power generating systems in 1975, we have been motivated by a strong desire to make people's lives environmentally friendly and prosperous.

Kagoshima Nanatsujima Mega Solar Power Plant

## Community Engagement

As a responsible corporate citizen, the Kyocera Group promotes social and community engagement to build strong relationships with stakeholders and coexistence through sustainable development.

**Supporting the Inamori Foundation's Kyoto Prize**

The Inamori Foundation honors those who have made contributions to the development of science, civilization, and the enrichment of the human spirit through the prestigious Kyoto Prize.

**Environmental Education**

Kyocera provides "Eco-Lessons" for elementary school students in Japan on the theme of environmental issues and energy.

©KYOTO.P.S

**Supporting Kyoto Sanga F.C.**

Kyocera contributes to regional economic development through the J-League soccer club Kyoto Sanga F.C., and has acquired naming rights for the team's arena.





# Expanding Globally to Achieve Sustainable Growth

To strengthen our ability to respond to change and accelerate the creation of new businesses, we have aggregated our operations into three segments. We will continue to expand our business by strengthening collaboration between each segment and by implementing rapid and dynamic management strategies.

## Corporate Summary (As of March 31, 2023)

Company Name：KYOCERA Corporation
Global Headquarters：6 Takeda Tobadono-cho, Fushimi-ku, Kyoto, Japan 612-8501
Established：April 1, 1959
Common Stock：115,703 million JPY (863 million USD)
Consolidated Sales Revenue：2,025,332 million JPY (15,114 million USD) (Year ended March 31, 2023)
Profit Before Income Taxes：176,192 million JPY (1,315 million USD) (Year ended March 31, 2023)
Group Companies：298 (Including KYOCERA Corporation)
Group Employees：81,209 (Excluding non-consolidated subsidiaries and affiliates accounted for by the equity method)

*Note on exchange rates: U.S. dollar (USD) conversions are provided above as a convenience to the reader, based on the rate of 1 USD=134 JPY, rounded to the nearest unit (as of March 31, 2023)

## Sales Revenue by Reporting Segment (Year ended March 31, 2023)

**Core Components Business 29.2%**
- Industrial & Automotive Components Unit 9.8%
- Semiconductor Components Unit 18.0%
- Others 1.4%

**Solutions Business 52.8%**
- Industrial Tools Unit 15.2%
- Document Solutions Unit 21.5%
- Communications Unit 10.3%
- Others 5.8%

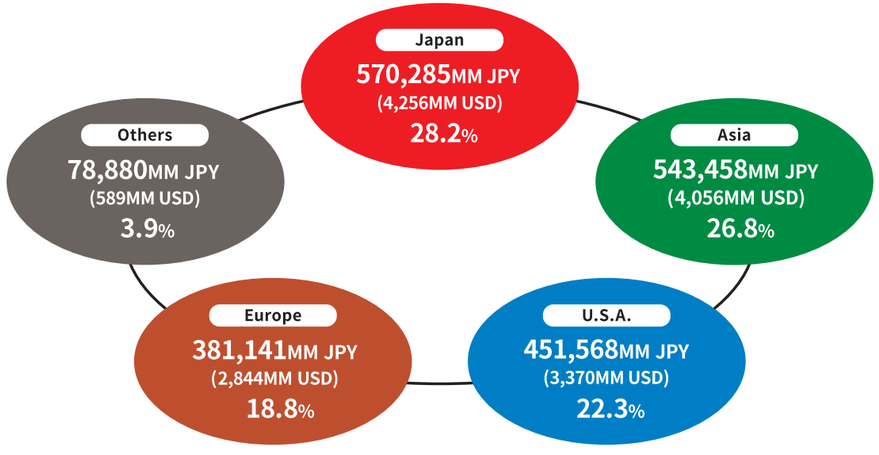
**Electronic Components Business 18.7%**

**Others 1.2%**

**Adjustments & Eliminations −1.9%**

## Consolidated Sales Revenue Percentage by Region (Year ended March 31, 2023)

*Unit: Millions *% represents the component ratio
*Based on the rate of 1 USD=134 JPY, rounded to the nearest unit (as of March 31, 2023)



## Since Kyocera's founding in 1959, we have continuously challenged ourselves to develop new businesses through cutting-edge technologies and product innovation.

Kyocera began with a single product, the U-shaped ceramic Kelcima, which was an insulating component used in the cathode-ray tubes of early TV sets.
Following this, Kyocera succeeded in developing other products based on Fine Ceramic technology and relentlessly explored new markets. We will continue to expand into new businesses by leveraging our capabilities through synergy and collaboration with external partners.

1959
Kyoto Ceramic Co., Ltd.
(now KYOCERA Corp.) founded

1982
Changed named to
"Kyocera Corp."

U-shaped Kelcima
Ceramic Substrates
Ceramic Multilayer Packages
Cutting Tools
Capacitors
Crystal Devices
SAW Devices
Jewelry
Semiconductor Processing Ceramic Components
Dental Implants
Hip Implants
Ceramic Kitchen Tools
Ceramic Glow Plugs
Tantalum Capacitors
Connectors
Polycrystalline Silicon Solar Panels
Thermal Printheads
Printers
Kyocera's First Mobile Phone「HP-111」
Residential Solar Power Generation Systems
Communication Systems and Engineering
Organic Packaging
CT Scan Components
Sapphire Substrates for LEDs
ECU Substrates
Automotive Camera Modules
Automotive Camera Lenses
LED Lighting
Piezoelectric Stacks
Encapsulants
Substrate for Millimeter Wave Radar
SOFC Cell Stacks
Spinal Products
Power Devices
Polymer Tantalum Condensers
Vehicle Sensors and Controls
Antennas
Super Capacitors
Utility-scale Solar Power Plants
Inkjet Printheads
Displays
Smartphones
Lithium-ion Battery Storage Systems
HEMS
LTE Category 4 Compatible Devices
SOFC Systems
Commercial Inkjet Printers
Pneumatic and Power Tools
sigfox 0G Technology
IoT Networks
Laser Diode Module
Digital Printing

Approx. 2 trillion JPY (15.1B USD)
*1 USD=134 JPY (Mar.31, 2023)

**Core Components Business**
**Electronic Components Business**
**Solutions Business**
**New Businesses**

Sales trends

Horizontal deployment of technologies
Diversification of businesses
Expansion of business fields through M&A
Business expansion in global market
Creation of added value
Building new business models

1960 1970 1980 1990 2000 2010 2020