ZUKEN

CORPORATE **PROFILE**

2024

Ring of Scenery – a contemporary sculpture at the front entrance of the Global Headquarters and R&D Center in Yokohama, Japan. It symbolizes the engagement between Zuken and customers.

Message from the Chairman

Innovative technologies, shifting values, and diverse societal challenges are transforming the world around us. Manufacturing companies today must go beyond merely pursuing performance and technical excellence; they are now tasked with creating new value through their products and innovating the manufacturing process itself.

Since our founding, we have been driven by a powerful vision: to revolutionize manufacturing through software and become a trusted partner for future product development. As manufacturing undergoes significant changes, we too must enhance the value we provide and achieve greater heights to lead the future of manufacturing. We have been diligently preparing for this leap forward.

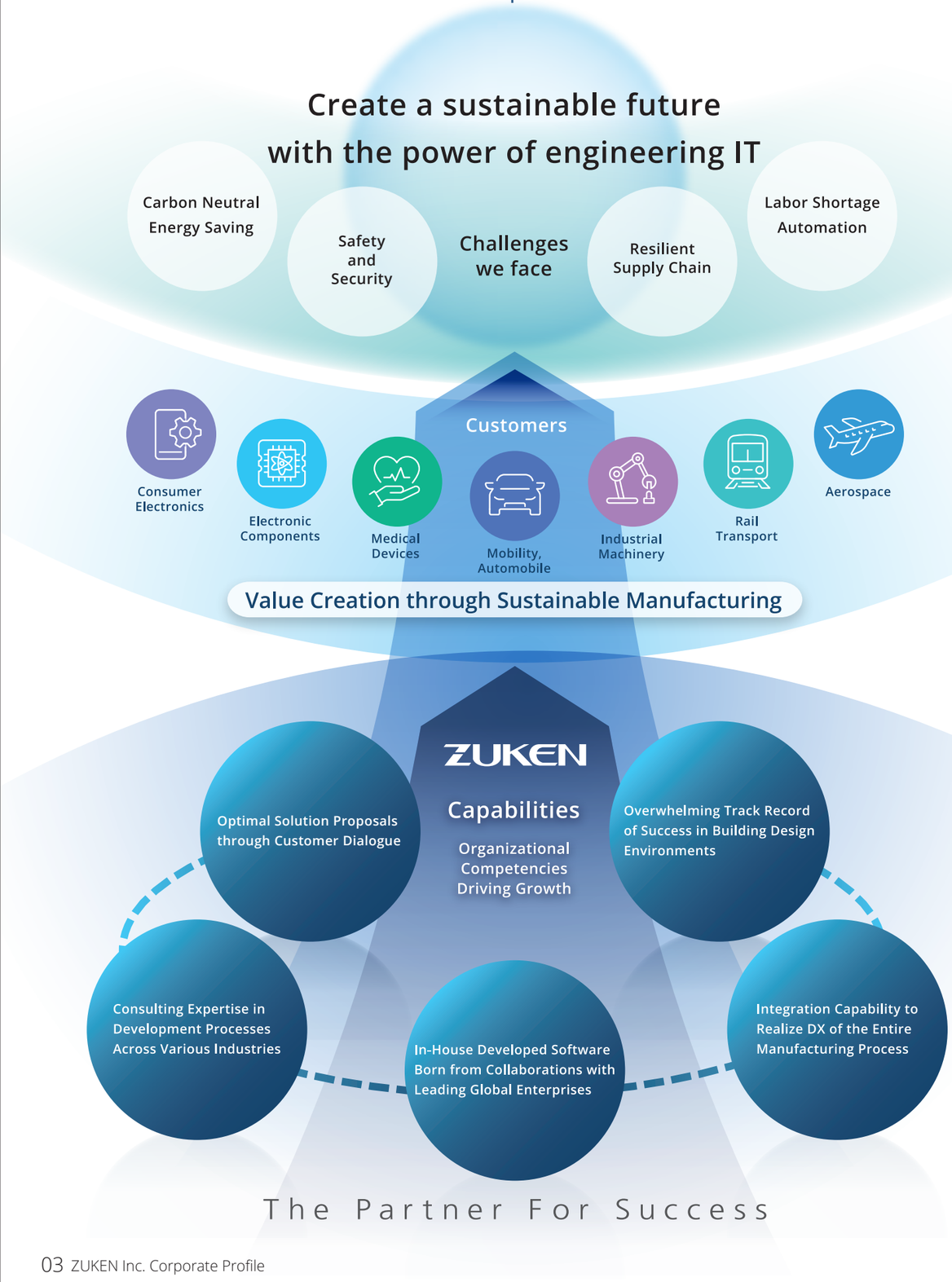
The Partner For Success

Now is the time to demonstrate our true value. Leveraging our unique organizational capabilities, honed through our relentless pursuit of solutions that contribute to our customers' success in manufacturing, we are committed to fostering innovation and contributing to the realization of a more prosperous society.

Chairman and CEO Makoto Kaneko

Our Value

A Trusted Partner for Product Development



Message from the President

Building a Resilient Manufacturing Future

The manufacturing industry is undergoing rapid transformation driven by technological advancements. We have been at the forefront of this evolution, empowering manufacturers worldwide with software solutions that optimize engineering processes. By distilling our extensive experience into packaged software, we have helped countless clients enhance efficiency and sophistication.

Today, the pace of change is accelerating dramatically. Artificial intelligence is reshaping industries, and global challenges such as pandemics and economic instability create unprecedented uncertainty. These factors underscore the critical need for adaptable and resilient manufacturing processes.

Model-Based Systems Engineering (MBSE) is the cornerstone of this transformation. Originally developed in the highly regulated aerospace industry where iterative improvement through trial and error is challenging, MBSE has evolved as an engineering methodology to effectively manage complexity and uncertainty. By meticulously defining requirements upfront and ensuring consistency throughout development, MBSE enables rapid response to changes. This approach is essential for delivering high-quality products in a dynamic market.

We are committed to driving MBSE adoption in manufacturing. Through collaborative projects with our clients, we are developing innovative solutions that build resilience into the engineering process. Our goal is to be a trusted partner in helping manufacturers navigate the future with confidence.

President and COO Jinya Katsube

Our Business

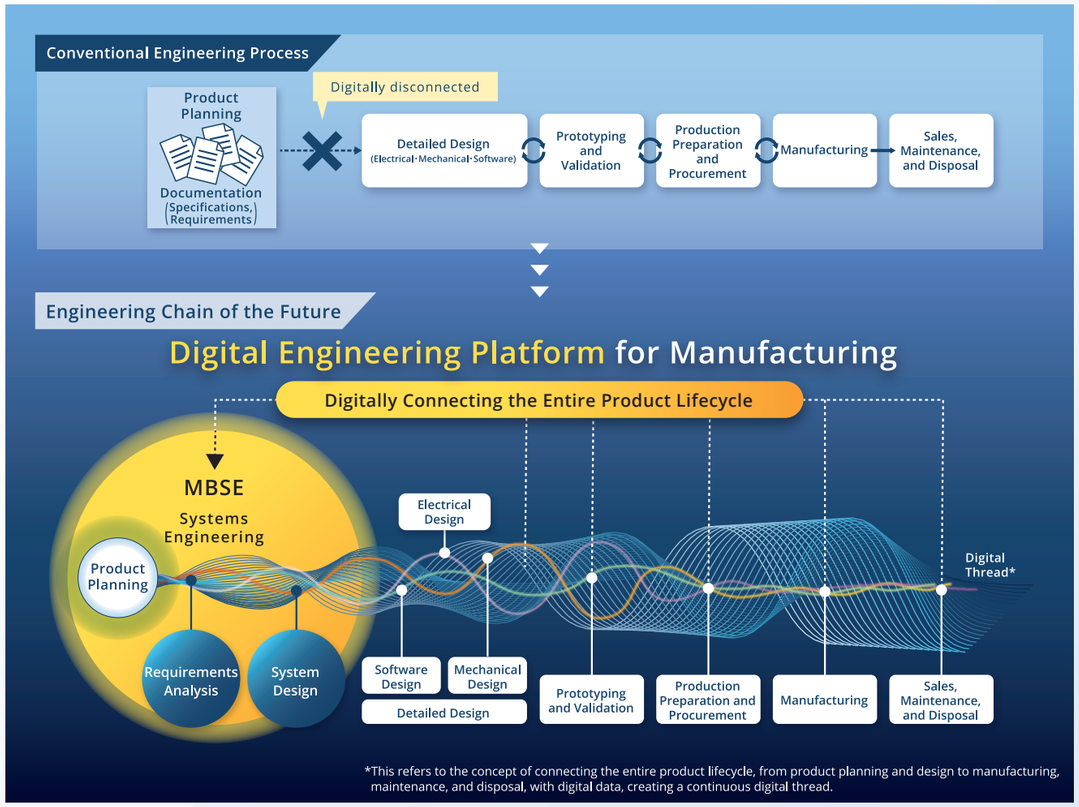
Zuken's Ever-Expanding Business Domains

Company Taking an Evolutionary Leap as a Digital Engineering Innovator

Since our establishment, Zuken's core business has been to provide electrical and electronic design solutions that support the development of electronic products.

Today, the significant advances we are seeing in communications technology, artificial intelligence, and computing capabilities are transforming manufacturing processes. Zuken aims to provide an even more comprehensive range of engineering solutions beyond the simple electronics field to help manufacturing customers develop a more holistic view of various technical domains and realize innovative product development more effectively and swiftly.

Engineering Process Transformation for Successful Product Development



Model-Based Systems Engineering (MBSE)

Innovative Engineering for Product Development in a Connected World

As all kinds of products become interconnected, the development of features based on the complex and advanced interworking of systems is required. For the development of such complex systems, we propose the introduction of MBSE , which enables a comprehensive view of the overall system at the product concept stage and derives optimal solutions. We support this through both implementation/operation consulting and tool provision.

GENESYS™

The MBSE modeling tool. By expressing and managing product planning and requirements analysis through "system models," rather than traditional document-based methods, we ensure consistency of information throughout the product lifecycle and visualize the impact range of design changes.

Electronics Design Automation (EDA)

PCB Design Solutions Serving as a Platform for Electronic Product Development

The advanced functions of electronic products are realized through electronic circuits on printed circuit boards (PCBs) equipped with semiconductors and other electronic components. We provide software to automate and optimize the design and manufacturing of these electrical and electronic systems.

CR-8000

An electronics design platform that views multiple different objects, such as semiconductors, packages, and printed circuit boards, as a system for design and verification. By leveraging 3D technology and AI, it can innovate the design process and contribute to improving operational efficiency.

Electrical Control and Wiring Design

Wiring Design Solutions Contributing to Efficiency and High Quality in Industrial Equipment Development

Inside industrial and electronic equipment, complex cables and harnesses are arranged to electrically connect and control units and components. We provide systems that streamline the design of these cables and harnesses.

E3.series

An integrated electrical CAD software for electrical control, wiring, and harness design. By enabling real-time linkage of drawings and component data, and automatic output of design deliverables, it contributes to the efficiency of electrical design tasks.

Engineering Data Management (EDM)

Product Lifecycle Management That Only Zuken, with Its Rich E/E Design Expertise, Can Provide

We provide product data management systems that are unparalleled in their perfection and are optimized for the development of electronic products. This includes centralized management of electronic component information and design deliverables that link and store information on parts, circuits, and boards.

DS-Z

An electronics design and manufacturing support platform that integrates with electrical design systems like CR-8000 and E3.series, as well as third-party tools. By centrally managing design data and electronic component information, it contributes to improved design quality and shorter development times.

Automotive Electrical and Electronic (E/E) Systems Engineering

Advanced E/E System Design Solutions for Next-Generation Mobility Development

As automobile development becomes increasingly advanced and complex with numerous cutting-edge electronic systems, we provide E/E system design environments central to this development, contributing to the efficiency and quality of product development.

E3.infinite

A next-generation E/E system design and manufacturing support platform for transportation equipment like automobiles. Through generative design, it automatically generates wiring information and harness component information, significantly streamlining the process from circuit design to wire harness and manufacturing design.

Our History

A Steady Accumulation of Value

Founded in 1976, Zuken's story mirrors the growth of the electronics industry. Zuken has provided behind-the-scenes support for the development of a multitude of electronic devices that have made society a better place, and as the use of electronics has spread, so have Zuken's solutions and businesses. All around the world, customers take on the challenge of creating new technologies. Zuken continues to accept this challenge.

Create 2000 at its launch

Zuken opened the floodgates with Japan's first CAD/CAM system for PCB design in 1978.

Contributed to the miniaturization of electronic devices

Our CAD/CAM technology established an unshakable position amid growing demand for smaller, thinner, and lighter electronic devices.

Our R&D efforts extend to Germany and the UK.

We have cultivated a global R&D and business network.

Announcing a new MBSE product strategy for Japanese manufacturing industry.

Expanding MBSE Solutions: Strengthening Manufacturing DX Support

2024
¥38.4 billion

2020

2010

2000

1990

1980

Net Sales

1970s

Dec. 1976 Zukei Shori Gijutsu Kenkyusho Inc. established in Isogo-ku, Yokohama.

Jun. 1978 Japan's first full-scale CAD/CAM system Create 2000, for the design of printed circuit boards, developed.

1980s

Nov. 1983 Zuken America Inc. (now Zuken USA Inc.) established in California, United States.

Jan. 1988 CR-3000 (PWS), a printed circuit board CAE/CAD/CAM network workstation, developed.

1990s

Oct. 1991 Registered on the Second Section of the Tokyo Stock Exchange as the first electronic design automation (EDA) corporation.

Jan. 1992 Zuken Europe GmbH (now Zuken GmbH) established in Germany.

Jan. 1992 Zuken Korea Inc. established in South Korea.

Aug. 1992 Zuken Singapore Pte. Ltd. established in Singapore.

Apr. 1994 EDA vertical integration solution CR-5000 developed.

Jun. 1994 Zuken acquired Racal-Redac Ltd. of the United Kingdom.

Sep. 1994 Moved to the First Section of the Tokyo Stock Exchange.

May. 1996 ePLM DS-1, a Product data management solution specialized for the electronics design, developed.

2000s

Mar. 2000 Zuken acquired all shares of INCASES Engineering GmbH.

Mar. 2002 Began providing wire harness design software for the automotive industry.

Jun. 2002 Zuken (Shanghai) Technical Center Co., Ltd. established in China.

Feb. 2004 ePLM DS-2, a Product lifecycle management soutin focusing on E&E process, released.

Aug. 2005 Zuken Taiwan Inc. established in Taiwan.

May 2006 Zuken acquired Germany's CIM-TEAM (now Zuken E3 GmbH).

Jun. 2007 V54EE, a mechanical CAD system specially designed for the electronics industry, released.

Jun. 2009 Enterprise PLM PreSight released.

2010s

May 2010 Zuken acquired a 14% share in Lattice Technology Co., Ltd.

Jun. 2011 Visual BOM, a new generation engineering platform that merges bill of materials technology with the ultra lightweight 3D format XVL, released.

Oct. 2011 CR-8000, including Design Force, launched the next-generation electronics design platform. This completed Zuken's system level electronics design environment.

Aug. 2014 Global Automotive and Transportation Competence Center established in Erlangen, Germany.

Dec. 2014 Zuken and Toyo Business Engineering (now Business Engineering Corporation) concluded an agreement on a capital and business alliance.

Mar. 2015 Zuken India Private Limited established in India.

Jul. 2015 Zuken took over YDC Corporation's CADVANCE business (CAD and PDM operations).

Apr. 2016 Zuken split off its PreSight Division to establish Zuken PreSight Inc.

Dec. 2017 Zuken acquired Alfatech Inc. (now Zuken Alfatech Inc.)

Aug. 2019 Zuken acquired Vitech Corporation (now Zuken Vitech Inc.) of the United States.

Sep. 2019 Zuken and Ghelia Inc. concluded an agreement on a capital and business alliance.

Oct. 2019 Zuken Modelinx Inc. established.

2020s

Nov. 2021 Business Engineering Corporation became an equity-method affiliate following an additional investment by ZUKEN.

Apr. 2022 Stock listing was moved to the Prime Market because of the restructuring of the Tokyo Stock Exchange into new market segments.

The Evolution of Electronic Products

Personal computers

Portable audio players

Home game consoles

CD players

Mobile phones

LCD televisions

DVD players

Laptop computers

Domestic robots

Smartphones

Electric vehicles

Wearable devices

Automated driving technology

VR/AR

Global Network

Challenges in Global Markets Accelerate Our Growth

Headquarters　Regional headquarters　Business locations　Main R&D offices　Sales offices

Japan & Asia

Our head office is in Yokohama, the city where Zuken was founded. The head office oversees product and business development in Japan and worldwide.
The operating environment faced by manufacturing industries is increasingly global and borderless. Companies look to Asia as not only a manufacturing base, but as an important center for product development. We have therefore established subsidiaries in South Korea, Singapore, China, Taiwan, and India. We have built a system for accurately identifying the needs of customers in each region to offer the best possible solutions.

Japan ● ○ ■ Global Headquarters/ R&D Center (Yokohama)
● Center Minami Building (Yokohama)
● Shin-Yokohama Building (Yokohama)
● Kansai Branch (Osaka)
● Nagoya Branch (Nagoya)

South Korea ● Zuken Korea Inc.
Singapore ● Zuken Singapore Pte. Ltd.
China ● Zuken Shanghai Technical Center
● Zuken Inc.Shenzhen Representative Office
Taiwan ● Zuken Taiwan Inc.
India ● Zuken India Private Limited

Americas

North America has many innovative companies that greatly influence manufacturing worldwide, and is also an important business development base for Zuken. Zuken provides advanced solutions to many leading U.S. high-tech companies in this market. In addition, we are actively developing MBSE solution products, leveraging the extensive experience of Zuken Vitech in Systems Engineering.

USA ○ Zuken USA Inc.(American Headquarters)
● ■ Zuken Vitech Inc.

Europe

Zuken has a strong business foundation in Europe, a region that is home to many leading companies in global markets such as industrial machinery and automotive products. We complement our European sales network with bases that carry out core technology development. Our Global Automotive and Transportation Competence Center in Germany is part of Zuken's organization for developing next-generation automotive electronic and electrical design solutions for global markets.

UK ■ ● Zuken Ltd. (Zuken Technology Center)/ Zuken Group Ltd. / Zuken UK Ltd.
Germany ○ Zuken GmbH (European Headquarters)
● ■ Zuken E3 GmbH (Laemmerweg)
● Zuken E3 GmbH (Sedanstr.)
■ Zuken GmbH (EMC Technology Center)
● Zuken E3 GmbH Office Nord
■ Zuken E3 GmbH (Global Automotive and Transportation Competence Center)

Poland ● Zuken E3 GmbH Sp.z o.o
Switzerland ● Zuken E3 GmbH, Zweigniederlassung
France ● Zuken S.A.
Italy ● Zuken S.r.l.
Netherlands ● Zuken GmbH, Sales Office Benelux

Distribution of Personnel

(As of the End of March 2024)

Japan* (Zuken Inc.) 427

Global 393

*Excluding domestic affiliated companies and employees stationed overseas.

Sustainability

We can create a sustainable future with the power of our engineering IT

Our business objective is to improve the efficiency of engineering processes in the manufacturing industry by leveraging IT. Such improvement can contribute significantly to reducing the burden placed on the global environment in terms of design and manufacturing efficiency and improving the efficiency in procurement and services operations across the entire supply chain. In addition, our technology is indispensable for manufacturers striving to develop energy-saving, smaller, and lighter products. The popularization of such products will help drive the realization of a sustainable society.

Going forward, we aim to be a company that can contribute toward building a sustainable future by incorporating the perspective of "realizing a sustainable society" more clearly into our management and growth strategy planning and by further expanding the range of products and solutions that we offer.

Materiality

In identifying material issues, we extracted challenges by considering changes in the external environment affecting ZUKEN Group's business and the expectations of our stakeholders. We then evaluated the importance of each challenge from both risk and opportunity perspectives and identified the following three issues as our material issues.

Contribution to sustainable manufacturing through engineering IT	We will strengthen our investment in development of solutions that make product development smarter (intelligent) and more efficient, and contribute to solving issues surrounding manufacturing, such as technology transfer, human resource shortages, and reduction of environmental impact. We will also utilize our engineering IT expertise to expand services that support the development and reskilling of digital human resources within our customer companies.
Reinforcing human capital	In order to reinforce human capital — a source of strength in our software business—we will create a work environment where diverse teams can work to their full potential and each member can develop their career over the long term.
Establishment of a governance system to enable agile and sound management	We will respond with speed and flexibility to a business environment undergoing a great many changes and strengthen our management structure to ensure that we can carry out business activities that are legal, appropriate, and sound.

Main initiatives

Promotion of Women's Empowerment

We believe that the existence of diverse perspectives and values throughout the company leads to corporate growth, and assigning the right person to the right positions regardless of gender or nationality is a best practice. Based on the concept of the right person for the right job, we actively promote the hiring of women and their promotion to manager-level positions.
To support women's careers, we have established a workplace environment and systems that enable women to work with peace of mind for the long term. Specifically, we have introduced various leave systems and a system for shorter working hours that extend beyond the statutory period for parents with children up to the completion of 3rd grade of elementary school to support work-life balance.

Remote Work System

To protect the lives and safety of our employees and ensure business continuity in the event of natural disasters, we have implemented a remote work system. We have created an environment where employees can combine working in the office with working from home.

Development of Digital Talent

To upskill and reskill our employees, we offer IT and digital training through external programs to cultivate digital talent with a wide range of skills. We also encourage employees to enhance their IT skills independently by introducing a reward system for obtaining IT certifications.

Next Generation Project, Support for Engineers

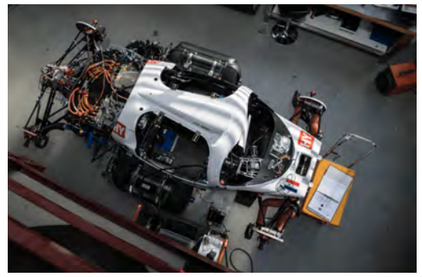
To contribute to the development of manufacturing environments, we are actively involved in supporting next-generation projects aimed at solving societal challenges through manufacturing, as well as fostering the growth of future engineers.

For more information on our sustainability initiatives, please visit our corporate website.
https://ir.zuken.co.jp/en/policy/sustainability/

We are addressing social issues through our business to achieve a sustainable manufacturing environment

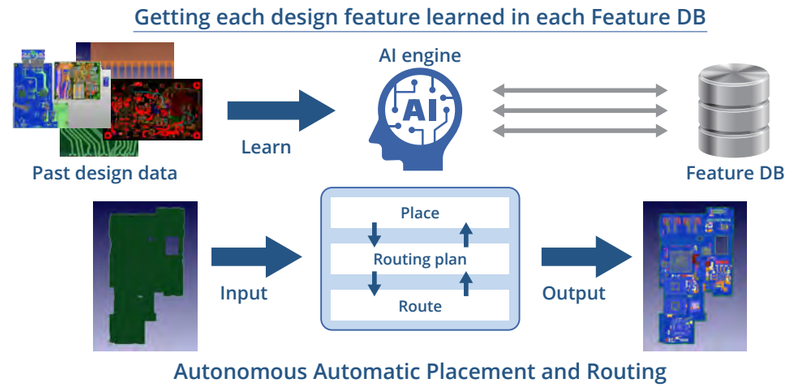
Contributing to the Efficient Development of Environmentally Friendly Hydrogen Fuel Cell Vehicles

GreenGT, a Swiss company developing hydrogen-powered systems, has adopted Zuken's electrical control design system, E3.series, for the prototype development of hydrogen fuel cell vehicles. Prototype development demands the creation of high-quality, safe products within tight schedules. By leveraging E3.series for the electrical design of fuel cell systems and drive systems for hydrogen fuel cell vehicles, the company has streamlined circuit design and wire harness design processes, thereby shortening development time.



Revolutionizing PCB Design with AI to Address the Manufacturing Industry's Shortage of Skilled Workers

As electronic devices become smaller and more sophisticated, the engineering effort required for electrical design is increasing. Coupled with the severe shortage of engineers, improving the efficiency and automation has become a common challenge in the manufacturing industry. To address this issue, Zuken is continuously developing "Autonomous Intelligent Place and Route," an AI-powered automated placement and routing function for printed circuit boards, to significantly improve the efficiency of electrical design tasks. This function aims to achieve automated placement and routing that is closer to manual design by reflecting the preferences and characteristics of designers, rather than relying on conventional mechanical automation.



Nurturing the Next Generation of World-Leading Software Engineers

We are committed to fostering the growth of world-class software engineers. To this end, we sponsor the "ET Robocon" competition, a renowned platform for engineering students. Our company also sends teams of new employees to participate, providing them with a valuable opportunity to learn the entire software development lifecycle through hands-on project-based learning.

Financial Information

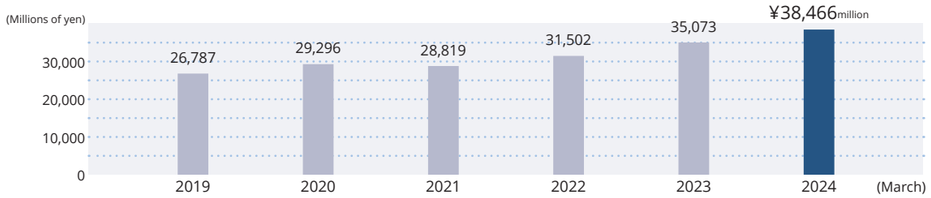
A Solid Financial Foundation

For the manufacturing industry, product development is an important, fundamental operation that determines future growth.

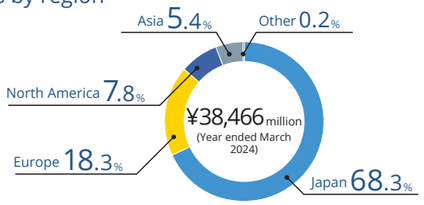
Zuken provides solutions required for competitive product development. For us to support our customers' strategic product development and give them long-term confidence in our solutions, we must have solid financial foundations ourselves.

In the world of information technology, where technological innovation is intense, we must invest flexibly in order to continue providing cutting-edge technology in a timely manner. For this reason, since our founding, we have established and maintained a solid financial foundation as one of our most important management strategies.

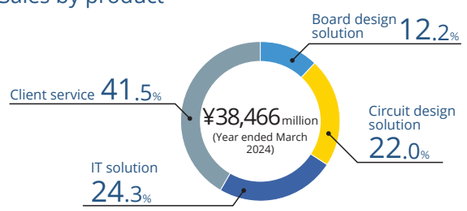
Net sales



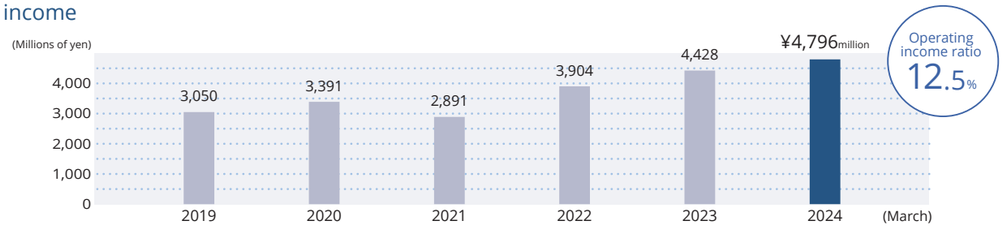
Sales by region



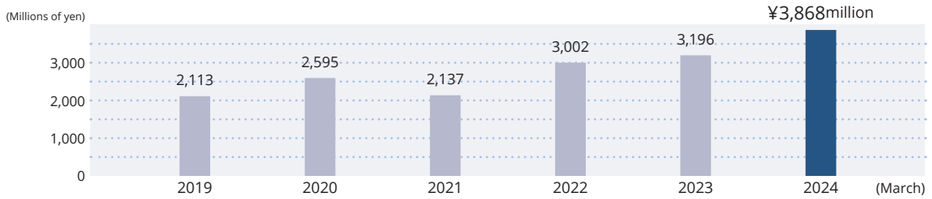
Sales by product



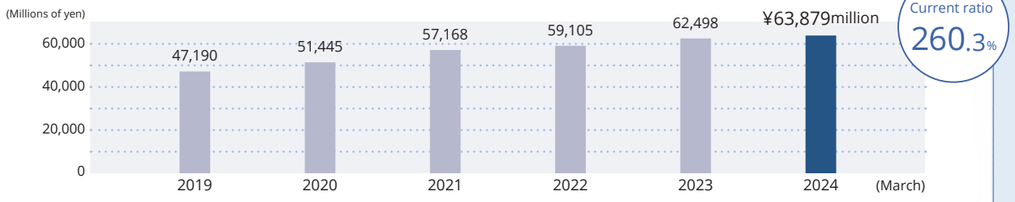
Operating income



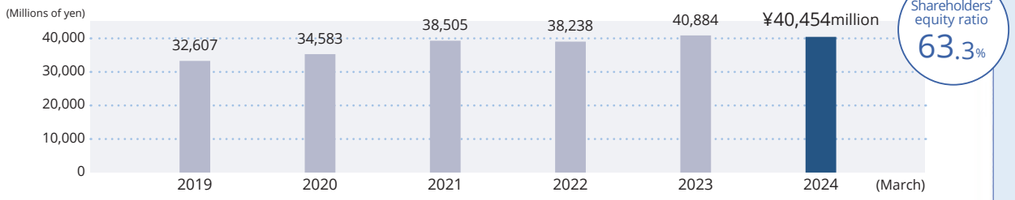
Profit attributable to owners of parent



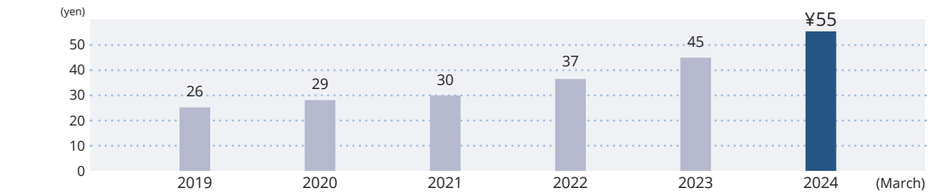
Total assets



Shareholders' equity



Dividends



Group Companies In Japan

Zuken Group empowers our customers to create innovative products through a comprehensive suite of technologies and services.

Zuken Tec Inc.

Zuken Tec provides consulting, on-site manager and engineer dispatch, as well as contracting services that support a broad range of design and development operations, including CAD installation, startup, and operation.

Zuken NetWave Inc.

Zuken NetWave sells and supports state-of-the-art hardware and software for corporate networks, which are indispensable for today's business activities.
These networks also include security and storage solutions.

Zuken Elmic Inc.

Zuken Elmic specializes in developing custom embedded software, focusing on low-latency streaming and communication protocols. Our expertise is applied to various industries, including security, industrial automation, and automotive.

Zuken PreSight Inc.

Zuken PreSight develops and markets creative products that support the manufacturing industry, including product lifecycle management (PLM) systems based on technology that coordinates lightweight 3D data and bill of materials (BOM).
It also provides knowledge management solutions with a unique concept that reduces user burden.

Zuken Alfatech Inc.

Zuken Alfatech provides a variety of solutions and services primarily to customers in the mechatronics industry, including development, sales, and support for electrical CAD. It sells and customizes 2D/3D general-purpose mechanical CAD and CAE systems.
As a new business area, Zuken Alfatech is also developing 3D modeling applications for the construction field, which is a domain with excellent potential.

Zuken Modelinx Inc.

Zuken Modelinx provides comprehensive and expert services centered on development support for companies aiming to introduce and operate methods such as MBD (modelbased design) and MBSE (model-based systems engineering) in product development.

Business Engineering Corporation

Business Engineering Corporation provides manufacturing customers with abundant IT solutions, including ERP consulting, development, and implementation services and SCM (Supply Chain Management) package systems development and sales services, to support their operational reforms.

ZUKEN
The Partner For Success

社　　名	株式会社 図研[ZUKEN Inc.]
設　　立	1976年12月17日
本社所在地	〒224-8585 横浜市都筑区荏田東2-25-1
資 本 金	101億1,706万5,000円
従 業 員	434名　連結1,578名(2024年3月31日現在)
株式市場	東京証券取引所プライム市場
事業内容	製造業における製品設計・開発業務全体の高度化・最適化を支援する、各種ITシステムの開発・製造・販売や、コンサルティングサービスなど

取締役・監査役	代表取締役会長	金子 真人
	代表取締役社長	勝部 迅也
	代表取締役副社長	相馬 粛一
	取締役※	佐野 高志
	取締役※	高原 わかな
	監査役(常勤)	和田 扶佐夫
	監査役※	半田 高史
	監査役※	高田 保豊

※は社外取締役および社外監査役です。

執行役員	専務執行役員	仮屋 和浩
	専務執行役員	上野 泰生
	執行役員	藤原 宏行
	執行役員	大澤 岳夫
	執行役員	早乙女 幸一
	執行役員	奈良 功
	執行役員	大塚 隆夫