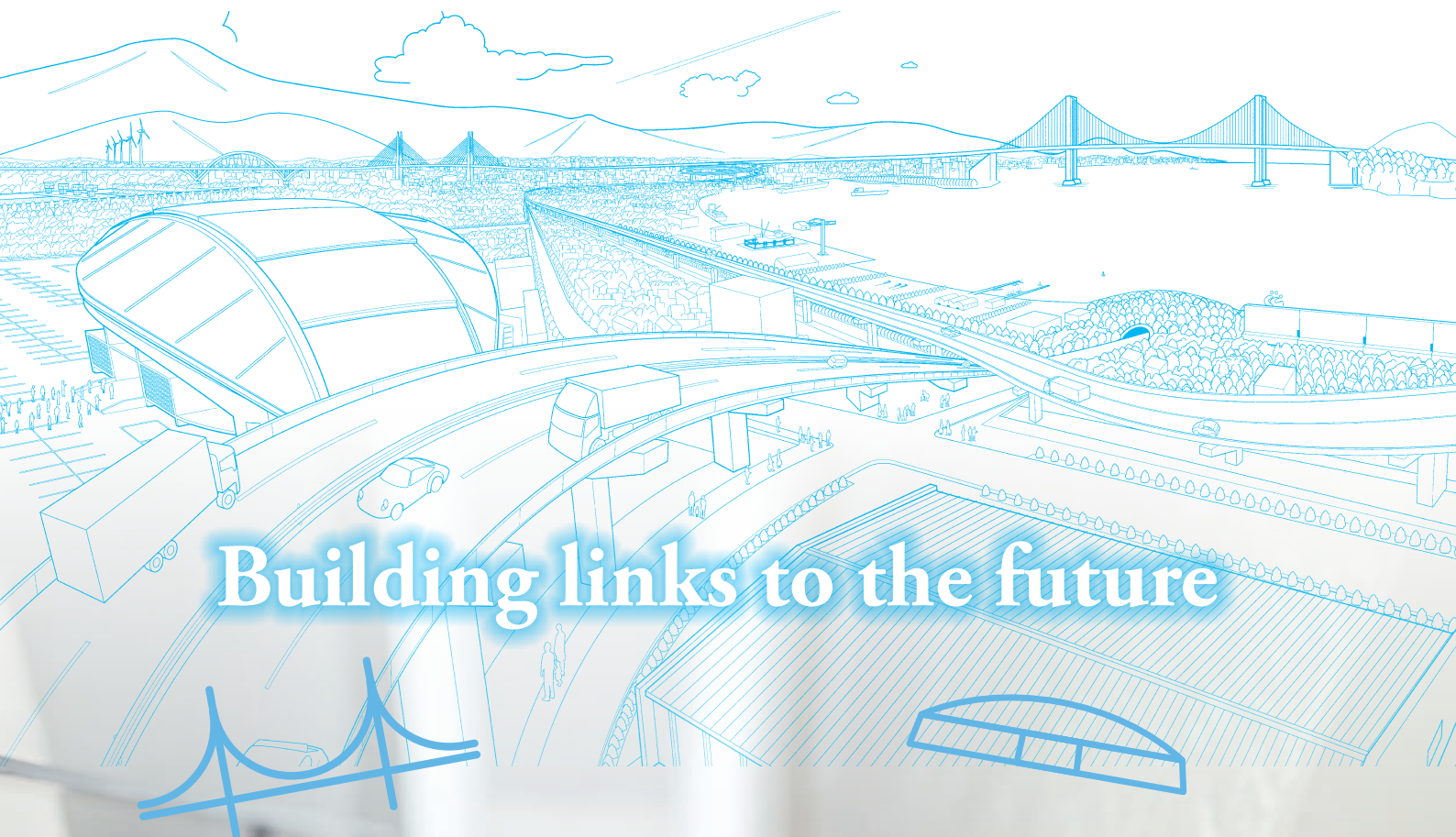




Yokogawa Bridge Holdings Corp.



C o r p o r a t e P r o f i l e



The next 100 years

Linking, connecting, and expanding as we move into the future

Since the founding in 1907 of our forerunner, Yokogawa Bridge Works Ltd., we have continued to focus on improving societal infrastructure in Japan and overseas, and have also worked steadily to expand our business activities in other areas.

Yokogawa Bridge Holdings Corp. (YBHD) was created in August 2007 to integrate the Group's multi-faceted capabilities in a flexible, organic manner.

With our consistently industry-leading Bridge Business playing a central role, we have successfully integrated YBHD's multi-faceted capabilities to develop business activities that make a positive contribution to society. We have also been working actively to develop our Civil Engineering Business (which includes system structures, special-purpose buildings, civil engineering related products, etc.), Precision Equipment Business, and other new business areas, and have established systems that will provide the foundations for further evolution.

Now is the time when we must reinforce our commitment to society, which our company has maintained for over a century since its founding, and to remind ourselves of our corporate philosophy of "Contribution to society and the public, and sound management," so that we can leverage the combined power of the group as a whole to create infrastructure for society in a way that only YBHD can.

With high-level technological capabilities, an impressive track record of past performance, and multi-talented human resources, "technology-focused Yokogawa," comprising, will continue to undertake activities for the next 100 years aimed at implementing societal infrastructure that people can use with safety, comfort and peace of mind.

Contributing to the future of the world by providing the infrastructure that society needs

The YBHD Group has focused on building societal infrastructure and the foundations that support people's daily lives through our Bridge Business, which targets both new construction and maintenance of existing structures, and our Civil Engineering Business, which is oriented towards the construction of system structures for factory and warehouse facilities.

The last few years have seen a rapid acceleration of the supply chain management (SCM) revolution and in the pace of adoption of e-commerce in all sectors. Recognizing the growing importance of the highway infrastructure that supports these aspects of logistics, and responding to the rising demand for warehouse facilities, we have made a positive contribution to society by providing safe, high-quality products.

Going forward, the YBHD Group will work towards the realization of long-term protection of bridges, multifaceted steel structure engineering and construction of a robust operational foundation, as well as sustained expansion, and will seek to achieve further intensification of Group management, creating new business areas while strengthening the competitiveness of each business, driving the expansion of our global business activities through the proactive recruitment of international talent. We are also working to identify various types of materiality from an ESG (Economic, Social and corporate Governance) perspective, and making an active effort to address these issues so as to help realize a sustainable society.

Working from a platform centered on our corporate philosophy of "Contribution to society and the public, and sound management," the YBHD Group will contribute to the resolution of a wide range of social problems through the building of societal infrastructure and technological innovation.

Kazuhiko Takata

President and Representative Director
Yokogawa Bridge Holdings Corp.



The YBHD Group's Materiality (Key Issues)

Materiality Identification Process

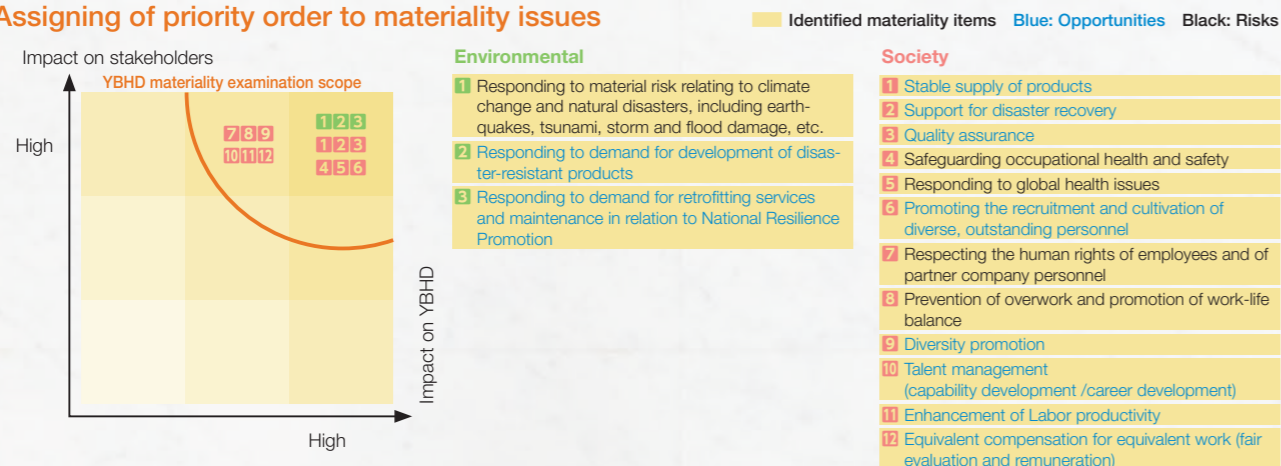
1. Selection of materiality candidate items for examination

Taking into account our corporate philosophy, the SDGs, and analysis of investor evaluation items (e.g. FTSE, RobecoSAM, SASB, etc.), we collated the needs of our Company's stakeholders, and then selected candidate items for materiality by holding interviews at individual Group companies and divisions, and using internal processes to refine and expand the candidate items. Subsequently, taking into account the social and business environments in which the YBHD Group and our stakeholders operate, as well as important social trends and the issues that are of concern to our stakeholders, we examined the question of what measures we will need to take in the future in terms of risks and opportunities, including those relating to corporate value creation, and compiled a list of materiality items.

2. Prioritizing and weighting of materiality candidate items

The list of materiality candidate items was subjected to internal evaluation from both quantitative and qualitative perspectives, and the advice of external experts was canvassed. Building on this, we examined the importance and impact of each materiality candidate item for the YBHD Group and for our stakeholders with regard to medium- to long-term corporate value creation, and assigned a priority order and weighting to each item.

Assigning of priority order to materiality issues



3. Determination of materiality based on deliberation by an intra-group, cross-departmental body (the Sustainability Committee) and review by members of senior management

An interdepartmental body (the Sustainability Committee) newly established within the Group undertook repeated deliberations on those items in the materiality matrix that were deemed to be of high importance and high impact, and the list of materiality items was revised to generate a final list of candidate items that included governance-related items. Taking into consideration environmental issues, etc., that have been a focus of recent attention, the candidate items were narrowed down to determine the materiality issues that the YBHD Group needs to prioritize and target.

A review was then undertaken by senior managers, specifically by members of the Managing Executive Officers Committee, who determined a final list of 18 materiality items in 10 sectors.

The identified materiality

The 18 materiality items that were identified, and the corresponding SDGs, were as outlined below. Going forward, quantitative and qualitative key performance indicators (KPIs) will be set for each item, taking into account the views of external experts. These KPIs will provide a basis for the implementation of various activities.

The results obtained from these activities will be reviewed by external experts, by members of the Group's Sustainability Committee, and by company employees, with the implementation of a PDCA cycle to achieve ongoing improvement of YBHD's business operations. In the event of any new changes affecting the social environment or other aspects of the external environment, the relevant materiality items will be adjusted as necessary.

The YBHD Group undertakes business activities that involve the building of societal infrastructure and the realization of technological innovation, based on our corporate philosophy of "Contribution to society and the public, and sound management." The past few years have witnessed dramatic changes in society, with environmental problems growing steadily more serious.

In response, the YBHD Group utilizes the process outlined below to identify the materiality (i.e. key issues) that we need to prioritize addressing as a Group, based on an ESG (Economic, Social and corporate Governance) perspective and in line with the United Nations Sustainable Development Goals (SDGs) and the Group's business strategy. This allows us to work actively to tackle various social problems as we strive to help realize a sustainable society.

Corporate philosophy: Contribution to society and the public, and sound management

ESG	Sector	Materiality	Related SDGs
Environmental	Climate change and natural disasters	● Responding to material risk associated with climate change and natural disasters, including earthquakes, tsunami, storm and flood damage, etc.	
	Responding to National Resilience Promotion needs	● Responding to demand for development of disaster-resistant products ● Responding to demand for retrofitting services and maintenance associated with National Resilience Promotion	
	Provision of high-quality products	● Support for disaster recovery	
Social	Disaster recovery support	● Quality assurance	
	Occupational health and safety	● Support for disaster recovery	
	Recruitment, cultivation, and retention of outstanding human talent	● Safeguarding occupational health and safety	
	Human rights	● Responding to global health issues	
	Working conditions	● Promoting the recruitment and cultivation of diverse, outstanding personnel ● Talent management (capability development /career development)	
	Fair business practices	● Labor productivity enhancement	
	Information security	● Respecting the human rights of employees and of partner company personnel ● Diversity promotion	
Corporate Governance	Information security	● Prevention of overwork and promotion of work-life balance ● Equivalent compensation for equivalent work (fair evaluation and remuneration)	
	Information security	● Fair transactions ● Prevention of corruption ● Information security management	

SUSTAINABLE DEVELOPMENT GOALS



The Sustainable Development Goals (SDGs) are international goals to be achieved over the period 2016 – 2030, listed in the 2030 Agenda for Sustainable Development that was adopted at the United Nations summit meeting held in September 2015.

History

1907

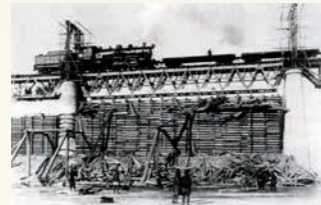
Founding, through the war years, to post-war recovery

1907
Dr. Tamiyuke Yokogawa founded Yokogawa Bridge Works Ltd. the forerunner of Yokogawa Bridge Holdings Corp.



1913
The Yatsuyama Bridge, then the largest overpass bridge ever built in Japan.

1931
The Hi Yamagawa Bridge on the Ou Main Line, the first bridge of its kind in Japan to be built using welding reinforcement.



1937
The upper truss of the Yu River Bridge in Datong, China; this was the first time that the company had undertaken reconstruction work of a bridge that had been destroyed.



1938
The company was responsible for producing the steel framework used in the Dai-ichi Life Insurance head office building, the most imposing building of its kind in Japan at the time. In the immediate post-war period, the General Headquarters (GHQ) of the Supreme Commander for the Allied Powers (SCAP) was located in this building.



1940
On the Kachidoki Bridge, the 45.7 m central spans opened to allow ships to pass.



1948
The Chusetsu Bridge paved the way for large-scale construction of road bridges in the post-war era.



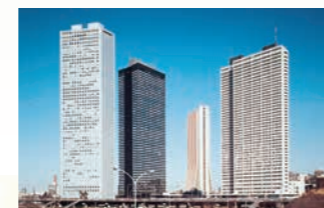
1955
The Saikai Bridge, which heralded the trend towards larger, longer bridges.



1968
As a trailblazing manufacturer of steel structures, the company provided the structural framework for the Kasumigaseki Mitsui Building, Japan's first skyscraper.



1970
World Trade Center Building (Tokyo)
Also in 1970: Keio Plaza Hotel



1974
Supporting skyscraper construction as a manufacturer of steel structures
Shinjuku Mitsui Building

1990

Linking Japan's transportation arteries



1993
A new Tokyo landmark: The Rainbow Bridge



1998
The world's longest suspension bridge: the Akashi Kaikyo Bridge

2000

Advanced technology



2001
Toyota Stadium, built using Yokogawa System Buildings Corporation's YMA moveable building system.



2003
The Rokujizo section of the Kyoto Municipal Subway Tozai Line used composite segments supplied by Yokogawa NS Engineering Corp.



2009
Stonecutters Bridge in Hong Kong, the world's largest composite cable-stayed bridge.

2010

Linking and connecting large spaces.



2011
Spacious, beautiful, and comfortable—the new, completely transformed Osaka Station.



2016
A system structure carefully tailored to suit its purpose and usage—Nasu no Megumi Mekke!

2020

Expanding into the future.



1907 Dr. Tamiyuke Yokogawa founded Yokogawa Bridge Works Ltd. at 86-banchi, Sakaigawa, Nishi Ward, Osaka City.

1991

Yokogawa Bridge Works Ltd. was renamed Yokogawa Bridge Corp.

2015 Yokogawa Construction Co., Ltd. was merged into Yokogawa Bridge Corp. (with Yokogawa Bridge Corp. as the surviving company).

1963 Yokogawa Construction Co., Ltd. was founded.

2001 Yokogawa System Buildings Corp. was founded.

2003 Yokogawa acquired a controlling share in Narasaki Seisakusyo Co., Ltd. which became a Group company.

2009 Yokogawa acquired a controlling share in Yokogawa Sumikin Bridge Corp., which became a Group company.

2019 Yokogawa Sumikin Bridge Corp. was renamed Yokogawa NS Engineering Corp.

1984

Yokogawa Techno-Information Service Inc., was founded.

1991

Yokogawa New Life Corp. was founded.

2000 YCE Corp. was founded.

The background photo shows the Kototoi Bridge, the furthest upstream of the six main bridges over the Sumida River, in 1928. At the time, this was the largest bridge in Japan.

The role played by Yokogawa Bridge Holdings Corp.
in our daily lives.

Connecting lifelines

Connecting spaces

Connecting on the water



Connecting underground



Connecting lives



Connecting above ground



Connecting production lines



Connecting people

Connecting with cutting- edge technology

At the YBHD Group, we have provided support underpinning countless lifelines through our provision of high-quality infrastructure and related products, as well as through other ancillary business activities.

The bridges that cross rivers, gorges, ocean channels, roads, and railways are closely linked to our everyday lives, to industrial and other economic activity, and to local history and culture. They constitute priceless assets for humanity.

And it is not just bridges. Underground tunnels play a similarly vital role in people's lives. In today's world, the roofs that cover huge buildings and the cutting-edge technologies that are used in various fields help to support our day-to-day lives. Every structure, and every technology, is the product of the wisdom of our forebears, carefully refined and improved, together with a great deal of hard work.

YBHC itself can be thought of as a bridge that integrates people, things, ideas and culture, linking together people with people, and regions with regions. Going forward, we will strive to contribute to the creation of a society in which people can live in safety with peace of mind.

Bridge Business



Operating companies
Yokogawa Bridge Corp.
Yokogawa NS Engineering Corp.
Narasaki Seisakusyo Co., Ltd.
YCE Corp.

New bridge construction business

Contributing to the improvement of Japan's societal infrastructure through reliable technological capabilities and solution planning abilities

YBHD was a pioneer in the development of steel bridge construction in Japan. Over a period of more than 110 years since the founding of the business in 1907, we have constantly been engaged in the development of cutting-edge technologies and have participated in the construction of many of Japan's most renowned bridges. As a leading company in the bridge sector, we have established a solid reputation while making a substantial contribution towards

improving Japan's societal infrastructure. Over the past few years, the bridge sector has seen growing demand for the ability to provide comprehensive technology solutions that can optimize the entire process from design and manufacture through to installation. The YBHD Group has for many years been known as "technology-focused Yokogawa." By making effective use of the high-level technological capabilities and management skills that we have accumulated over the years, we have won widespread trust for our ability to meet the diverse needs of our clients effectively and accurately.

Maintenance business

We are a leading company in terms of fulfilling our social mission of safeguarding bridges.

In the Bridge Business, the trend away from new construction towards greater emphasis on maintenance and retrofitting of existing bridges, or in other words from "flow" towards "stock," is accelerating. In recent years, there has been growing concern that much of the infrastructure built throughout Japan during its era of rapid economic growth is starting to become old and decrepit. In response, plans are being formulated and implemented to facilitate a large-scale renewal and renovation program, with a particular focus on urban expressway bridges, along with large-scale

repair work on the bridges of the Tokaido Shinkansen high-speed rail line, etc. There is also an urgent need for the rapid formulation and implementation of plans to undertake retrofitting and preventive maintenance aimed at extending the lifespan of bridges. The YBHD Group has established a maintenance business framework to provide a total solution that covers every stage from inspection and surveys through to maintenance and reinforcement work design, materials manufacturing and on-site installation. As a leading company in the bridge business, YBHD is actively working to fulfil its social mission of helping to safeguard bridges.

Overseas business

Contributing to the improvement of local infrastructure internationally, particularly in East Asia and Southeast Asia

The YBHD Group has for many years positioned the development of overseas markets as a key strategy, and has worked actively to develop new markets and establish local infrastructure improvement businesses in other countries. In particular, we have adopted a strategic approach towards developing the East Asian and Southeast Asian regional markets as an integral part of the wider Asian market to which Japan also belongs, and have strengthened our overseas business by establishing local business locations that are thoroughly integrated with the local market.

Past Performance – Major Projects

Bridges connecting Japan's main island of Honshu with the island of Shikoku

Akashi Kaikyo Bridge, O-Naruto Bridge, Iwakurojima Bridge, Minami-Bisan Seto Bridge, Tatara Ohashi Bridge, Omishima Bridge, Kurushima Kaikyo Bridge, etc.

Other large bridges

Yokohama Bay Bridge, the Rainbow Bridge, Hakucho O-hashi Bridge, Takashima-Hizen O-hashi Bridge, Awa Shirasagi O-hashi Bridge, etc.

Historic bridges

Kachidoki Bridge, Saikai Bridge, Wakato O-hashi Bridge, Niju-bashi Bridge (at the Imperial Palace in Tokyo), Kanmon Bridge, etc.

Past Performance – Major Overseas Projects

1997 – Kap Shui Mun Bridge (Hong Kong)
2000 – North Java Line rail bridges (Indonesia)
2007 – Project for Reconstruction of Bridges (Phase II) in the Kingdom of Bhutan (Bhutan)
2008 – C606A elevated bridge construction project (Taiwan)
2009 – Railway bridge in Uzbekistan (Uzbekistan)
2009 – Stonecutters Bridge (Hong Kong)
2010 – New Maruwai Bridge (Indonesia)
2012 – CP2 section, Vietnam railway bridge retrofitting project (Vietnam)
2015 – NS Link section and E-2A section, Tanjung Priok Access Road (Indonesia)

Sagami-gawa Bridge



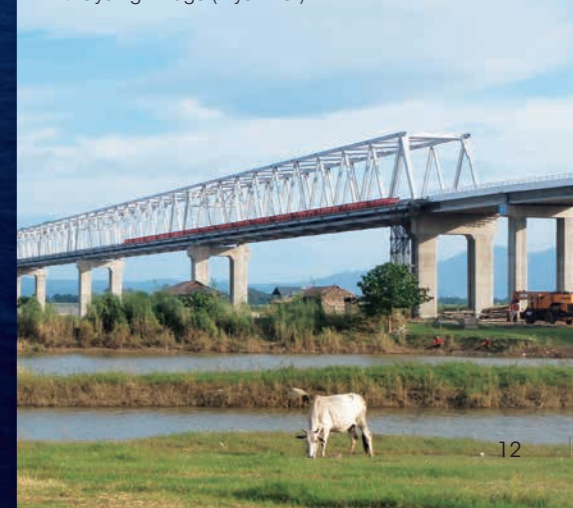
Irabu O-hashi Bridge



Jogakura O-hashi Bridge

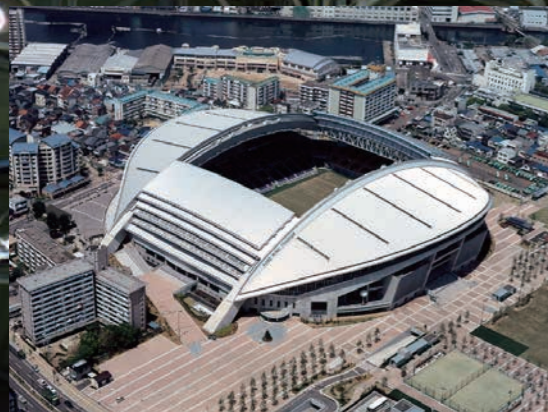


Hti Gyaing Bridge (Myanmar)



Akashi Kaikyo Bridge

Civil Engineering Business



Operating companies
 Yokogawa System Buildings Corp.
 Yokogawa NS Engineering Corp.
 Yokogawa Bridge Corp.
 Narasaki Seisakusyo Co., Ltd.

System structure business

Aiming for a further increase in market share through wider penetration by the “yess” (Yokogawa Engineered System Structure) brand

YBHD is a leading company in Japan’s engineered structures market, and supplies structural steel buildings (“yess buildings”) for use as factories, warehouses, shops and sports facilities. By constantly maintaining the industry’s only dedicated system structure manufacturing plant at full operation, we have been able to reduce production costs, enhance productivity and shorten lead times, providing clients with outstanding structures that combine functionality and durability with first-rate design.

Special structures business

Creating new value by enabling buildings to move

We provide integrated solutions – from design to installation and maintenance – for movable structures, such as retractable roofs for swimming pools and stadiums, as well as movable system structures, etc. The special technologies generated by our architectural, mechanical, and electrical engineers enable us to deliver high-value-added buildings to end-users.

Civil engineering business

Providing disaster-resistant harbor and marine structures, and taking up the challenge of building deep-level underground tunnels

By leveraging the advanced technology and know-how that we have cultivated in the Bridge Business over a long period of time, YBHD is able to take on the challenge of building earthquake- and tsunami-resistant port and off-shore structures. Furthermore, in response to the trend towards intensive utilization of underground space below major urban ring roads, etc., for deep-level, large-section underground tunnels, we are focusing heavily on the development of our steel segment business.

Construction and machinery steel business, etc.

Contributing to a wide range of infrastructure improvement projects by applying steel bridge construction technology to other sectors

By applying the advanced technology and revolutionary solutions that we have cultivated at bridge erection sites to the building construction sector, we have won high praise for our work on steel frameworks for high-rise buildings, etc., and on the construction of large structures such as dome-type sports stadiums. We are also working actively to develop our machinery steel business—including water gates, ship-lift facilities, sewage treatment facilities, etc.—with the aim of securing an increase in orders in this area.

The retractable roof of the Sha Tin Racecourse, Hong Kong



Exterior view of a “yess” structure



Pre-cast seawall



Sandwich-type composite segments



The retractable roof of the Noevir Stadium Kobe

Precision Equipment Business

R&D and new product development



Operating companies
Yokogawa Bridge Corp.
Yokogawa Techno-Information Service Inc.

CastarJupiter steel bridge construction information system

"cusa" aluminum alloy panels for permanent installation

Precision equipment manufacturing business

Making effective use of bridge design and structural analysis technology to support manufacturing of cutting-edge products

Using the steel structure design technology and production technology that we have developed through our Bridge Business, we provide support for the production of precision machinery manufacturing equipment that is utilized in the production of semiconductors, LCD panels, etc. To deal with the problems of vibration, deformation, etc., that have become more pronounced as devices have grown larger, we make effective use of our bridge design and structural analysis know-how to provide optimal structural frameworks for addressing these issues. Besides our first-class steel structure manufacturing technology, we also have our own production facility, equipped with large five-face machining centers, large three-dimensional measuring instruments and appropriate temperature control, enabling us to manufacture and implement quality assurance for large, high-precision products. With an integrated production management system for structural frameworks that covers every stage from design, through manufacturing and quality assurance, to delivery, we are able to ensure stable supply of cost-effective high-precision products that have won high praise from customers.



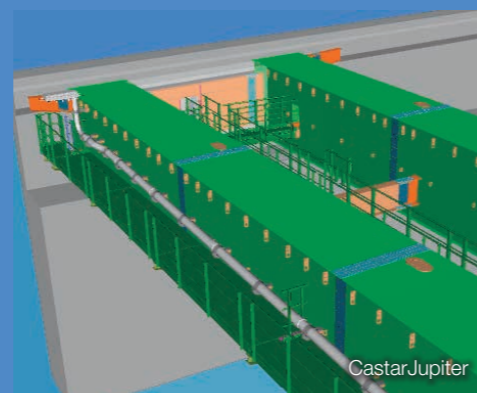
Exterior view of the Kishiwada Plant

Information processing business

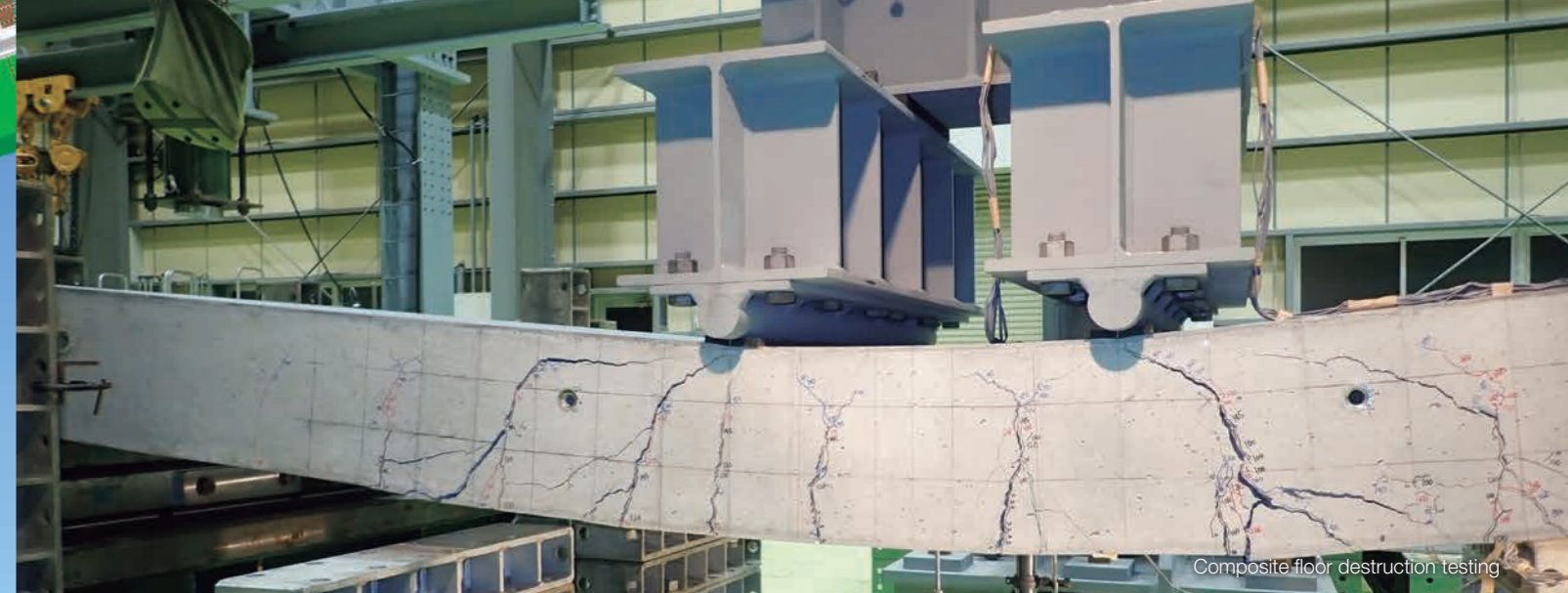
Providing value-added solutions that meet the needs of today's era of cutting-edge technology

We undertake the development and sale of software in the "3M" (Modeling, Manufacturing and Management) sector. Our products—which include the APOLLO system, a total solution for bridge design incorporating linear, analysis, design, drawing and materials calculation functions, as well as the CA* (Castar) series manufacturing simulation system for steel structures, etc.—have earned a large market share and a strong reputation in the steel bridge sector. In terms of measurement technology, we offer an impressive line-up of three-dimensional measurement systems, and are able to meet customers' needs by providing products that support management operations in both steel bridge design and construction.

By constantly developing and providing high-value-added services that meet contemporary needs, we are working to develop new customers.



CastarJupiter

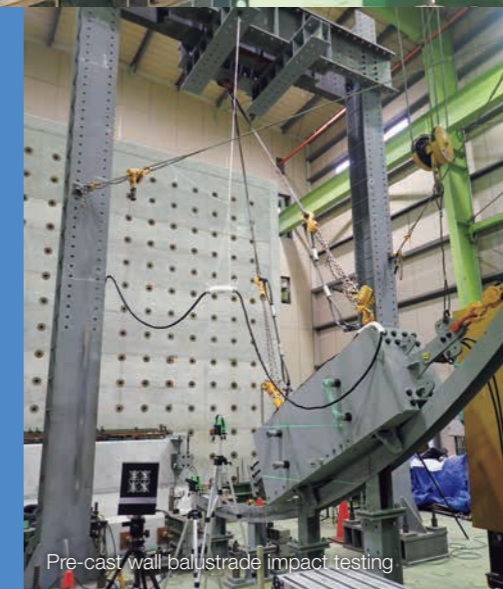


Composite floor destruction testing

R&D

Continued support to help "technology-focused YBHD" be the first to identify and meet future needs

Renowned as "technology-focused Yokogawa," the YBHD Group has an impressive track record of achievements in terms of R&D. Following the establishment of YBHD, the Group's R&D units were consolidated within the new company, enabling it to develop wide-ranging, comprehensive R&D capabilities. YBHD's Technical Research Laboratory is equipped with a comprehensive range of testing devices, including fatigue testing machines, wheel running fatigue testing equipment, and general-purpose testing equipment, and is able to effectively support technology development for the YBHD Group as a whole.



Pre-cast wall balustrade impact testing



Load testing of upper and lower steel section joints for the Haneda Access Road (provisional name)

New product development

Focusing on the development of new bridge peripheral products, including seismic resistance-related products

We undertake the development of seismic resistance technologies and products to prevent bridge collapse, etc., in the event of a major earthquake, and also work to develop composite floor slabs, which offer superb strength and durability and for which high demand is anticipated, for use on bridges and in tunnels. YBHD is also proceeding with the development and commercialization of "Weather Act" steel-weathering surface treatment for promoting protective rust formation, and of various aluminum alloy products that offer outstanding corrosion resistance.



"KERO" aluminum alloy inspection path



"cusa" aluminum alloy panel for permanent installation



"cusa" installation on a large, long bridge (the Tsurumi-tsubasa Bridge)



Yokogawa Bridge Holdings Corp.



“Embody integrity! Create outstanding things!” This was the *monozukuri* approach to manufacturing espoused by our founder, Dr. Tamiyuke Yokogawa, which has been handed down and maintained in our company for over a century.

This philosophy, which extends throughout the YBHD Group, helps to strengthen cohesion while also driving YBHD to create even better products and market them not only in Japan, but throughout the world.



By expanding our domestic and international business network, we are contributing to the improvement of societal infrastructure on a global scale.

Yokogawa Bridge Holdings Corp. (YBHD) came into being in August 2007 with the aim of integrating the YBHD Group's multi-faceted capabilities in a flexible manner and making a substantial contribution to society. YBHD responds to customers' diverse needs through our extensive domestic and international network.

Main domestic business locations

Branches

Muroran City, Hokkaido
Kamisu City, Ibaraki Prefecture
Minato Ward, Tokyo
Funabashi City, Chiba Prefecture
Sakai City, Osaka Prefecture

Sales Offices

Sapporo City, Hokkaido
Sendai City, Miyagi Prefecture
Yokohama City, Kanagawa Prefecture
Shizuoka City, Shizuoka Prefecture
Nagoya City, Aichi Prefecture
Osaka City, Osaka Prefecture

Amagasaki City, Hyogo Prefecture
Okayama City, Okayama Prefecture
Hiroshima City, Hiroshima Prefecture
Fukuoka City, Fukuoka Prefecture
Naha City, Okinawa Prefecture

Plants

Muroran Plant (Hokkaido)
Kashima Plant (Ibaraki Prefecture)
Chiba Plant (Chiba Prefecture)
Mobara Plant (Chiba Prefecture)
Osaka Plant (Osaka Prefecture)
Izumi Plant (Osaka Prefecture)
Kishiwada Plant (Osaka Prefecture)

Equipment Centers

Tone Equipment Center (Ibaraki Prefecture)
Harima Equipment Center (Hyogo Prefecture)
Hokkaido Equipment Center (Hokkaido)

Research Facilities

Technical Research Laboratory (Chiba Prefecture)

Main overseas business locations

Vietnam Hanoi City
Hanoi Office

Myanmar Yangon City
Yangon Branch

Philippines Pasig City
Yokogawa Techno Philippines, Inc.



Yokogawa Bridge Corp.



A long-standing contribution to social and economic development through the improvement and maintenance of societal infrastructure.

Founded in 1907, Yokogawa Bridge Corp. has played an important role in improving societal infrastructure—including bridge construction, both within and outside Japan, and the manufacture of steel structures—in line with its corporate philosophy of “Contribution to society and the public, and sound management.” Today, Yokogawa Bridge Corp. operates as an integrated engineering company, offering total solutions that encompass every stage from design through to installation, repair and reinforcement, rebuilding, and renewal. The company is focused on the new bridge construction business, the bridge maintenance business (demand for which is forecast to increase significantly), and the expressway upgrading and large-scale repair business. Other business areas include the construction of special-purpose buildings, such as tall buildings, domes, etc., the construction of large, high-precision structures using ultra-precise finishing technology, and development of products that help to enhance the maintenance of existing bridges. In overseas markets, Yokogawa Bridge Corp. is focused on improving infrastructure in regions with significant growth potential, such as Africa and Southeast Asia.

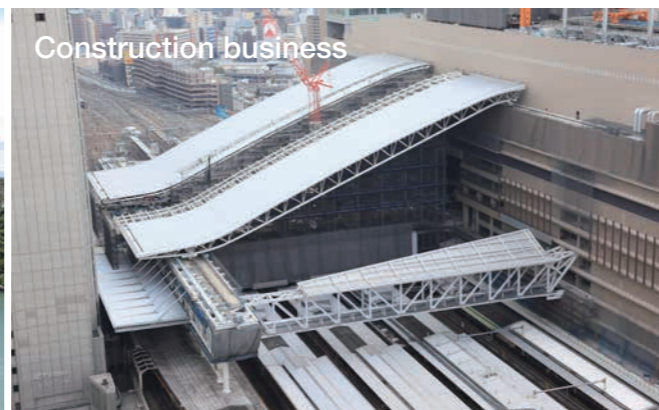
Company History

- 1907 Dr. Tamisuke Yokogawa founded Yokogawa Bridge Works in Nishi Ward, Osaka City. The Osaka Plant was established (closed in 1943).
- 1918 Yokogawa Bridge Works was reorganized as a joint-stock company.
- 1922 The new Tokyo Plant was established in the Shibaura district of Tokyo (closed in 1969).
- 1964 The Osaka Branch was established, and the Osaka Plant began operation.
- 1969 The Tokyo Branch was established, and the Chiba Plant began operation (closed in 1999).
- 1991 Yokogawa Bridge Works Ltd. was renamed Yokogawa Bridge Corp.
- 2005 The Bridge Stage Izumi Plant, located in Izumi City, Osaka Prefecture, began operation.
- 2007 Yokogawa Bridge Holdings Corp. was established.
- 2007 Yokogawa Bridge Corp. became a wholly owned subsidiary of Yokogawa Bridge Holdings Corp., and was delisted.
- 2007 A ceremony was held to commemorate the 100th anniversary of the company's founding.
- 2019 The Kishiwada Plant was established in Kishiwada City, Osaka Prefecture.

New bridge construction business



Construction business



Maintenance business



Overseas business



Bridge-related products



Yokogawa System Buildings Corp.



Yokogawa Engineered System Structure (yess), which makes effective use of Yokogawa's unique steel structure technology, holds the highest market share in the system structure market

Yokogawa System Buildings Corp. was launched around a core business of system structures, a new style of building. Under the brand name “yess” (Yokogawa Engineered System Structure), the company has been involved in the construction of over 9,000 buildings throughout Japan. What makes “yess” special is that Yokogawa System Buildings Corp. has Japan's only dedicated system structure factory, and a network of more than 1,200 agents (builders) throughout Japan, enabling the company to supply its high-quality products rapidly to any location. These structures are used in a wide variety of applications, from factories, warehouses and shops to offices, sports facilities, and final disposal sites. In its special-purpose buildings business, Yokogawa System Buildings Corp. has been a pioneer in retractable roofs for swimming pools, stadiums, etc., providing an integrated total solution for movable buildings that includes design, installation, and maintenance. In the future, Yokogawa System Buildings Corp. will continue striving to realize further enhancements of the quality of its products and services, satisfying customer needs with an approach that emphasizes integrity while contributing to society.

Company History

- 1989 A system structure division was established within Yokogawa Bridge Corp., the forerunner of today's Yokogawa System Buildings Corp.
- 1990 The Sodegaura Plant (today's Chiba Plant) was established.
- 2002 The division was spun off from Yokogawa Bridge Corp. It began operation as a separate company under the name Yokogawa System Buildings Corp.
- 2006 The facilities of the Chiba Plant were improved.
- 2008 The company secured general appraisal certification from The Building Center of Japan (BCJ).
- 2019 The Mobara Plant was established.

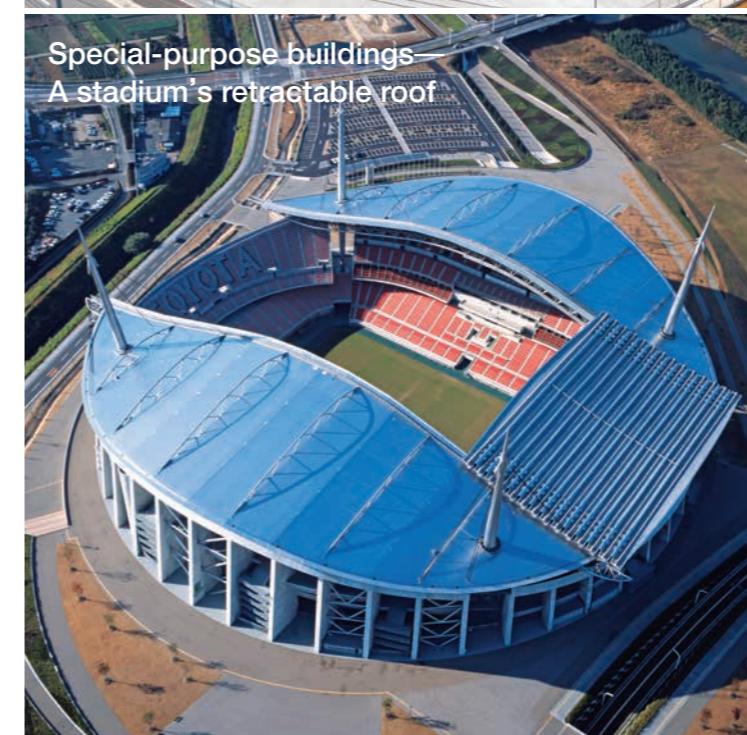
System structure factory



Special-purpose buildings—Retractable roof



Special-purpose buildings—A stadium's retractable roof



Closed system disposal plant



Interior view of a disposal plant





Yokogawa NS Engineering Corp.

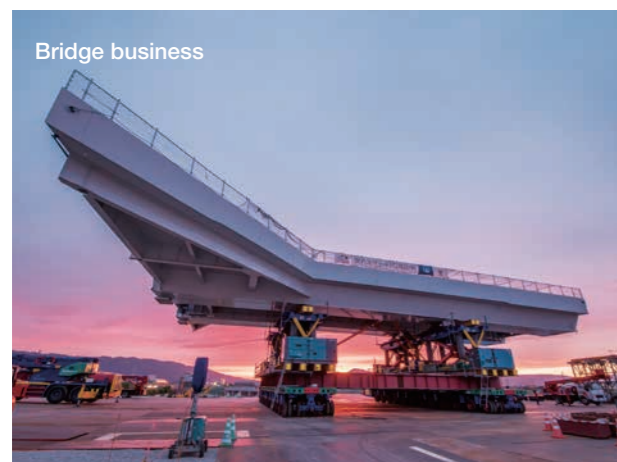


Industry-leading comprehensive capabilities that extend from materials development, design and manufacturing through to installation.

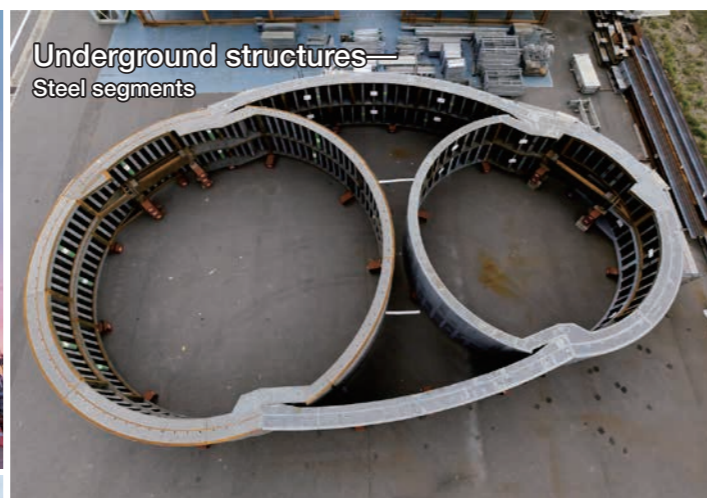
Yokogawa NS Engineering Corp. was established as an engineering company that would combine the technology solution capabilities of Yokogawa Bridge Holdings Corp. with the product development and production capabilities of Sumitomo Metal Industries (now Nippon Steel Corporation). By making full use of the operational assets of these two industry-leading companies, Yokogawa NS Engineering Corp. has been able to build an unrivalled high-level business framework that covers everything from materials development to design, manufacturing and installation. Through bridge construction and related products, steel segments for road tunnels and other underground structures, harbor structures utilizing the jacket method, etc., Yokogawa NS Engineering Corp. contributes to the construction of resilient infrastructure in Japan with its advanced technology development capabilities, high productivity, and solid cost competitiveness.

Company History

- 1977 Founded as the Engineering Division of Sumitomo Metal Industries (now Nippon Steel Corporation).
- 1989 Began operation in the Kashima Works as the Kashima Bridge Girder Factory.
- 1999 The new Kashima Bridge Girder Factory was established in Kamisu City, Ibaraki Prefecture.
- 2009 Sumitomo Metal Industries' bridge business was spun off as a separate company, Sumikin Bridge Co., Ltd.
- 2009 Sumikin Bridge Co., Ltd. was renamed Yokogawa Sumikin Bridge Corp., to serve as a joint operating company for Yokogawa Bridge Holdings Corp. and Sumitomo Metal Industries.
- 2019 Yokogawa Sumikin Bridge Corp. was renamed Yokogawa NS Engineering Corp.



Bridge business



Underground structures—
Steel segments



Harbor structures—
Jacket method



Underground structures—
Thick-walled tubular steel
columns



Bridge-related products
SEF Joint 100



Bridge business



Narasaki Seisakusyo Co.,Ltd.



Aiming to use our advanced technological capabilities to create bridges that satisfy local communities and develop products to meet diverse needs.

Founded in 1935 as a shipbuilding firm, Narasaki Seisakusyo used shipbuilding technology as a foundation for growing into a specialist manufacturer of steel bridges and machinery steel products (including steel tubes, ship-lifting equipment, water gates, water treatment facilities, etc.), and has expanded its business activities throughout Japan, with a focus on Hokkaido and the Tohoku region. Going forward, Narasaki Seisakusyo will strive for further enhancement of technology, safety, and quality in its bridge business, while continuing to expand its business operations as a leading Hokkaido-based company. In the machinery steel sector, the company will further refine its original products—including ship-lifting equipment and water treatment facilities—and will actively work to respond to diversifying needs on a nationwide basis.

Company History

- 1935 Narasaki Shipbuilding Ltd. was founded in Tsukiji-cho, Muroran City.
- 1975 The Sakimori Plant began operation.
- 1984 The company name was changed to Narasaki Seisakusyo Co., Ltd.
- 1986 The company's head office moved to its current location in Sakimori-cho, Muroran City.
- 2003 Narasaki Seisakusyo Co., Ltd. became a subsidiary of Yokogawa Bridge Corp.
- 2018 The new head office building was completed.



Water treatment and environmen-
tal products



Ship-lifting
equipment



Ship-lifting equipment



Machinery steel
products



Bridge



Dust extractor



Water gate



Yokogawa Techno-Information Service Inc.

Bridge expertise combined with IT expertise

Since its founding in 1984, Yokogawa Techno-Information Service Inc. has focused on the development and sale of IT systems for the civil engineering and construction sector, and the provision of information processing services. The application of information technology to the civil engineering and construction sector began in the 1970s with the adoption of CAD systems, progressed with the introduction of construction CALS systems in the 1990s, through to the recent adoption of CIM and i-Construction. Yokogawa Techno-Information Service Inc. has kept pace with these developments, and has continued to evolve while striving to stay one step ahead. With a specific focus on bridges, the company has provided many users with a series of information systems for use in the design and manufacture of steel structures.

Steel bridge design

Provision of a comprehensive range of services relating to steel bridge design

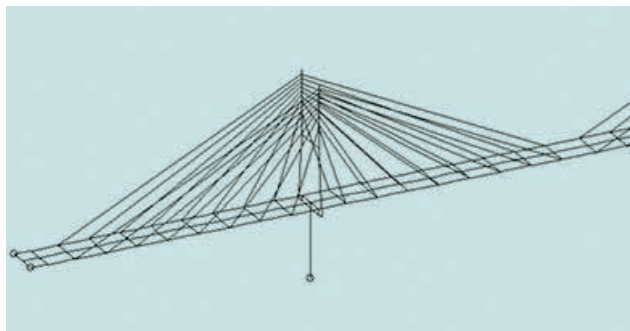
Yokogawa Techno-Information Service provides a wide range of systems and services associated with steel bridge design, including preliminary design, detailed design, and reconstruction design. These products and services have proved very popular with architectural consultants, bridge manufacturers, and other customers involved in bridge design.



Structural analysis

Using our wealth of experience and superior technological capabilities to assist with structural analysis

We provide high-quality services covering everything from model building tailored to customers' needs, to report compilation. We are able to assist with structural analysis for steel bridges and also in other fields.



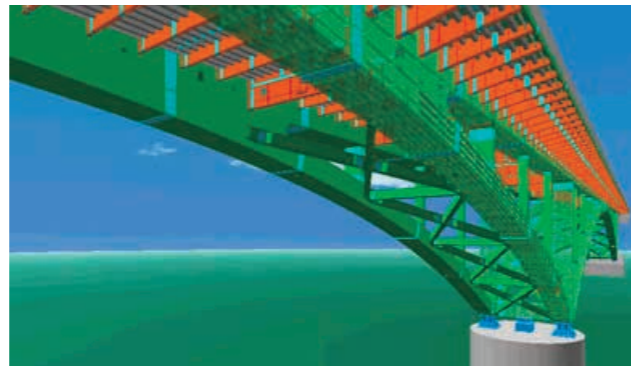
Steel bridge fabrication

Providing support for steel bridge fabrication

processes to enhance quality and strengthen competitiveness

We provide support systems for steel bridge fabrication that help to reduce costs, improve quality, and enhance competitiveness throughout the entire fabrication process, from scale drawings production through to processing, assembly, and measurement.

Yokogawa Techno-Information Service has an impressive track record of successful adoption of our products by clients, who include major steel bridge fabricators. We offer a comprehensive range of related solutions that are being effectively utilized at bridge fabrication sites throughout Japan.



Productivity enhancement

We provide services that use IT to drive technology innovation

The MeBiCLink i-Construction series developed by Yokogawa Techno-Information Service can be used to generate BIM/CIM models. These products make it easy to generate models tailored to the required level of detail, and support IFC file output. We also provide a range of other services that are designed to meet customer needs.



Preservation and maintenance management

Establishment of a range of bridge maintenance and preservation services

By making effective use of the latest image processing technology, we are able to provide a wide range of tools that help to ensure safe, efficient operation. Our systems for determining anchor bolt location and our systems for measuring cladding thickness (for use in the paving industry) have won high praise.



Yokogawa New Life Corp.



Putting in place powerful support systems for all Group companies

Yokogawa New Life Corp. provides high-quality back-office solutions for the YBHD Group, including real estate property management, human resource assignment, and salary calculation.



Real estate property management

Yokogawa New Life Corp. helps the YBHD Group to achieve stable earnings by playing an active role in the Group's real estate strategy, in relation to the operational management of the real estate property owned and leased by the Group.

Human resources assignment

We utilize our high-level recruitment capabilities to provide human talent throughout Japan, both within and outside the Group. To respond effectively to the rapid pace of change in today's business world, we provide powerful support for staff skill enhancement, and aim to provide companies with human talent that matches their needs.

Salary calculation operations

Yokogawa New Life Corp. undertakes salary calculation on behalf of all YBHD Group companies, thereby helping to reduce the burden on individual Group companies' HR departments, and helping to enhance operational efficiency by allowing them to focus on their core competencies.



YCE Corp.



Providing support for various aspects of bridge preservation as a team that offers specialist expertise in safeguarding bridges

YCE Corp. was established in 2000 to serve as a building consultants firm specializing in bridge preservation for the YBHD Group. Japan is moving away from the era of building new infrastructure to one in which the focus will be on managing and upgrading existing infrastructure. Making effective use of the wide-ranging technology capabilities that we have accumulated in relation to new bridge construction, and reinforcement and renewal of existing bridges, we fulfill our social mission as building consultants.



Inspections, surveys, and diagnostic operations

To ensure that structure maintenance is managed appropriately, we perform inspections, surveys, and diagnostics to check for abnormalities, deterioration, damage, etc., on steel bridges, concrete bridges, tunnels, and other highway structures. We perform periodic inspections and emergency inspections relating to third-party damage prevention, earthquakes, and other natural disasters.

Design, analysis and, review operations

With the goal of extending the lifespan of existing bridges and other structures, we implement repair and reinforcement design, as well as seismic reinforcement design aimed at improving earthquake resistance. We also undertake the various different types of analysis and review tasks that this design work requires.

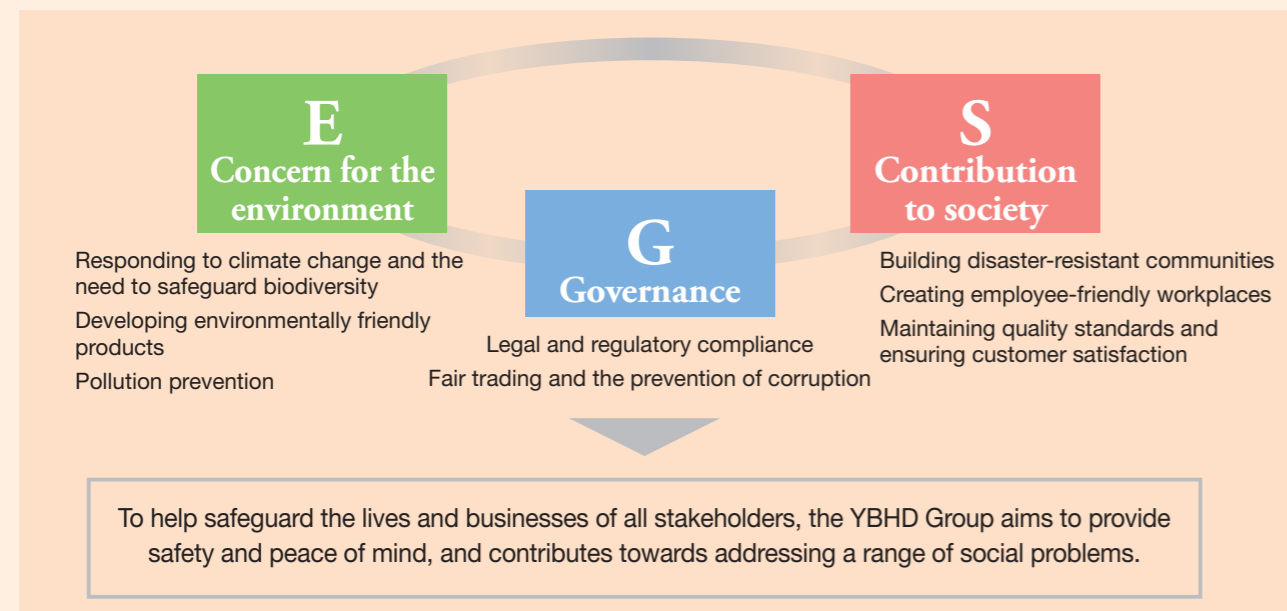
Testing and measurement operations

We implement testing using Group facilities, and also perform on-site load testing and other related tasks. We undertake dynamic measurement of displacement and stress for existing structures, remote monitoring using the Internet, and three-dimensional measurement using 3D scanners, as well as utilizing audio-capable cameras to check for abnormal sounds, etc.

ESG Initiatives

The YBHD Group is working to safeguard the environment and address environmental issues by providing high-quality infrastructure and related products, and implementing peripheral business activities, with the goal of reducing the burden on the environment.

In recent years, climate change has become an increasingly serious problem, and natural disasters have occurred frequently. The YBHD Group contributes towards the realization of a sustainable society through preparation for various types of material risk, and by implementing, in a systematic manner, measures (and response to specific needs) to ensure disaster preparedness, mitigate the impact of disasters, and facilitate rapid post-disaster recovery and regeneration, as well as proactively taking steps to ensure the smooth, effective regeneration of communities. The YBHD Group also attaches great importance to our relationship with stakeholders, including customers, employees, shareholders, suppliers, and the local community, working to become a trusted member of society. In future, we will continue to focus on maintaining a harmonious relationship with society, and to implement social contribution activities that encourage healthy, sustainable development.



Environmental initiatives

In today's world, the problems of global warming, forest destruction, and pollution of various kinds are becoming increasingly serious. To ensure that we pass on a healthy planet to future generations, the YBHD Group is implementing activities aimed at reducing our burden on the environment, demonstrating concern for the global environment while also building resilient infrastructure that can protect lives and businesses from the risk of natural disasters such as earthquakes, mega-typhoons, and torrential rains, thereby contributing towards the realization of a sustainable society.

Enriching ecosystems by reducing water pollution and harmful chemical substances

- Development of Shikknar, a turbid water processing product with a wide range of applications that include waste-water processing for tunnel and dam construction, crushed stone processing, gravel washing, and concrete products.
- Development of Filterpress, a sludge dewatering product that facilitates the compacting and recycling of construction sludge (winner of the Construction Technology Evaluation Award [Construction Technology Evaluation No. 91303])



Shikknar

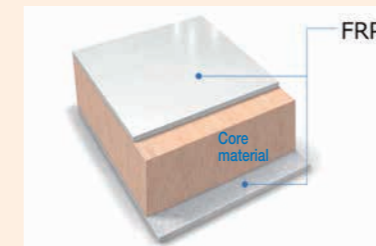


Filterpress



Mitigating and adjusting to the impact of climate change

- Development of FRP Sandwich Deck, a deck material for pedestrian footbridges that utilizes a sandwich structure with balsa—a lightweight, durable wood that is grown on plantations—as the core material, sandwiched between layers of fiber-reinforced plastic (FRP).
- Development of Weather Act surface treatment for the artificial formation of protective rust at an early stage on weather-resistant steel materials, thereby further reducing the speed of corrosion.



Schematic image of FRP Sandwich Deck



Completed footbridge (artist's impression)



Reducing vulnerability to climate change and natural disasters

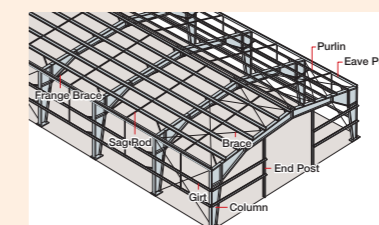
- Development of Pre-cast Seawall for Disaster Prevention, etc., to reduce the risk of damage from tsunami and exceptionally high tides, etc.
- Improving societal infrastructure to prevent and mitigate natural disasters
- Implementing emergency inspections in the aftermath of events such as major earthquakes



Pre-cast seawall

Effective use of technology to improve energy efficiency, and utilization of renewable energy

- Use of system structures requires less steel material than conventional methods, and reduces the amount of CO₂ emissions generated in the production of these materials.
- Development of a standardized photovoltaic system for use with system structures



Frame system for system structures



Solar panels on a factory roof



Improving highways by reducing related soil and air pollution

- Development of a surface coating removal method for existing steel structures containing polychlorinated biphenyl (PCB), etc., that uses induction heating apparatus to enhance safety and minimize the amount of industrial waste generated.
- Development of a plant system for processing turbid water containing heavy metals, etc., that are generated during tunnel construction etc.



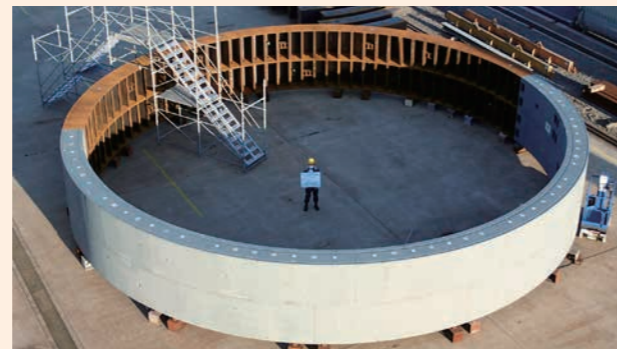
Social initiatives

The YBHD Group is committed to building disaster-resistant structures and infrastructure, implementing effective maintenance management, and enabling people to use them with greater safety and peace of mind. Seeking to create a future in which both people and the planet can thrive, we contribute towards the sustainable development of society through a variety of business activities, working from a platform of mutual understanding with our stakeholders.

Realizing disaster-resistant community development and strengthening urban functions



- Development of roadbed upgrading methods, etc., for large-scale highway structure renewal and repair projects, taking into account both society's needs and environmental considerations.
- Development of TUF Segments for use in the shield method, which reduces the impact of excavation on the surface, and makes it possible to reduce the area of ground affected by the excavation; the superior durability of TUF Segments makes them suitable for use in very deep excavations.
- Development and manufacturing of earthquake-resistant Powerchain products, etc., that mitigate the impact of falling bridge superstructure, and reduce impact loads in the event of an earthquake.
- Development of "cusa" aluminum alloy permanent scaffolding, and KERO aluminum alloy inspection paths, etc., to facilitate infrastructure inspection and repair.



TUF segment



Earthquake-resistant Powerchain products



KERO aluminum alloy inspection path

Enhancing economic productivity through innovation

- Establishment of an internal system for suggesting new business ideas, and institution of an awards system
- Collaboration with local firms to help improve infrastructure overseas
- Formulation of a Two-day Weekend Action Plan to prevent excessively long periods of work on construction sites

Strengthening development assistance for developing nations

- Seeking to facilitate the transfer of technology and know-how to developing nations, we collaborate on the cultivation of the human talent needed to support economic development, and contribute towards employment creation and economic prosperity.
- Using ODA to support infrastructure improvement in developing nations that will drive economic growth and create jobs
- Creating new employment opportunities by establishing operating companies in developing nations



Overseas operations (South Sudan)

Skill sharing—Providing opportunities for learning

- Promoting employee education aimed at skill and know-how enhancement
- Inviting local schoolchildren and other local residents to visit YBHD factories and construction sites, so that they can develop a more in-depth understanding of bridges and construction
- Arranging for YBHD employees to visit elementary schools, etc., to give "visiting classes."



Construction site tour



Factory tour



Welding experience activity



Employee education and training

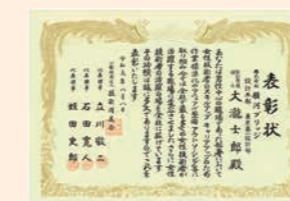


Hands-on class involving the making of miniature bridge models

Aiming to create a working environment in which all employees can feel comfortable



- Formulation and implementation of a General Employer Action Plan pursuant to the Act on Promotion of Women's Participation and Advancement in the Workplace
- Promoting the recruitment and retention of female engineers
- Establishing the infrastructure needed for female employees to be able to work comfortably in factories and at construction sites
- Measures to strengthen diversity (recruitment of senior citizens, people with disabilities, etc.)



Receiving the Award for Successful Cultivation of Female Engineers from the Japan Association of Technology Executives (JAOTEX)



Working together with the local community and society as a whole

To fulfill our roles and responsibilities as an enterprise engaged in providing society with infrastructure and the foundations for daily life, as a corporate citizen we implement measures to work in harmony and reinvigorate local communities, with the goal of helping to create a society in which people can live safely and with peace of mind.

In particular, we aim for harmonious coexistence with the communities neighboring each of our offices, production facilities, and construction sites, and we actively implement various activities to that end.



Clean-up activity in the vicinity of a YBHD office

Fire prevention training in the local community

Corporate governance

In line with our corporate philosophy of “Contribution to society and the public, and sound management,” the YBHD Group aims to make a positive contribution to society by carrying out monozukuri manufacturing with integrity, and by providing high-quality and safe societal infrastructure.

Utilizing the YBHD Group’s wealth of human talent and high-level technological capabilities to realize sustainable growth and enhance corporate value over the medium to long term has won us the trust of our stakeholders. In continuing to implement our corporate activities going forward, remaining aware of our responsibilities as a good corporate citizen, ensuring thorough compliance, managing risk properly and earning the trust of the people who work for us, we will strive to make ourselves an enterprise that helps people to live with safety and peace of mind. To realize this vision, we will implement thorough corporate governance based on the following five core principles.

Core Principles

- ① Respecting shareholder rights, and ensuring meaningful shareholder equality.
- ② Striving to engage in appropriate consultation with shareholders and other stakeholders.
- ③ Disclosing corporate information in an appropriate manner, and ensuring transparency.
- ④ Ensuring that the board of directors fulfills its roles and responsibilities appropriately, and implements transparent, responsive decision-making.
- ⑤ Striving to engage in constructive dialog with shareholders regarding the company’s strategy for long-term, stable growth.

Overview of the corporate governance system

YBHD is a company with a Board of Directors, an Audit & Supervisory Board, and a Financial Auditor. Within the YBHD Group, a group-wide risk management system, compliance system and internal auditing system have been established, and Group governance is performed on a group-wide basis. In addition, three Outside Directors and three Outside Audit & Supervisory Board Members oversee and audit the Board of Directors’ decision-making process and the manner in which Directors fulfill their duties. Furthermore, with regard to the Group’s business operations, by requiring operating companies to seek prior approval for major decisions and provide periodic progress

reports on the state of implementation, we are able to implement operational management in a way that effectively coordinates the activities of each operating company, while striving to further the development of the Group as a whole and to enhance corporate value. Additionally, by having Directors of YBHD, the Group’s holding company, serve concurrently as Presidents of Group operating companies, we are able to achieve appropriate management in which operating company Presidents are more aware of their responsibility to shareholders, also allowing us to pursue synergy.

Board of Directors

The Board of Directors meets, in principle, on a monthly basis, to carry out decision-making in relation to Group management. The Board formulates the Group’s overall operational strategy and plans, evaluates performance implementation, reviews and makes decisions regarding important managerial matters at operating companies and other important operational issues, and oversees individual Directors’ fulfillment of their duties. Three of YBHD’s Directors also serve concurrently as the Presidents of Group operating companies. In addition, five Presidents of Group operating companies who are not YBHD Directors are present at YBHD Board meetings.

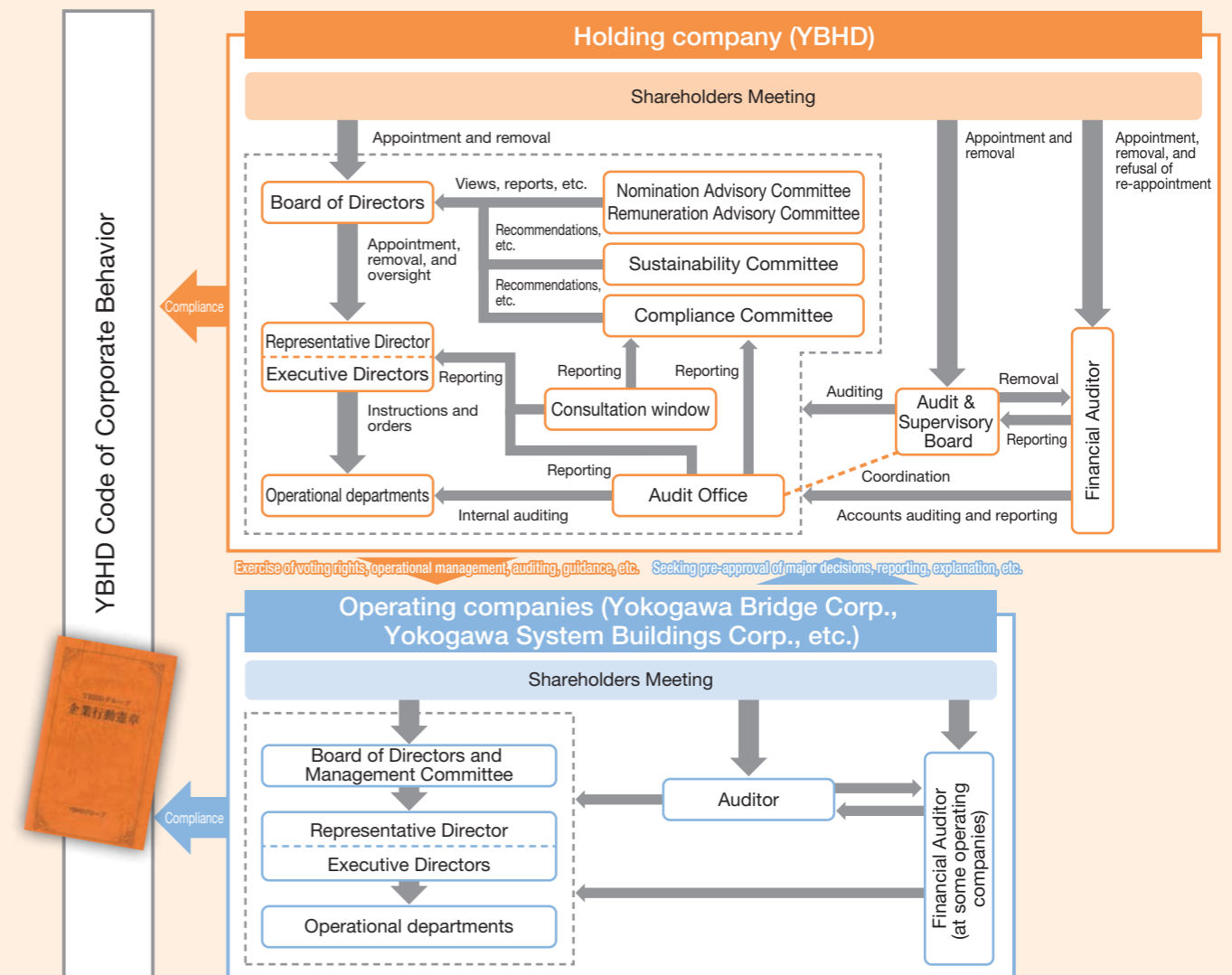
Furthermore, the Board’s three Outside Directors have the status of Independent Directors, in accordance with Tokyo Stock Exchange (TSE) regulations. With regard to decision-making relating to the nomination and remuneration of Directors, YBHD has established a Nomination Advisory Committee and Remuneration Advisory Committee, of which the Board’s Independent Outside Directors are the key members. These Committees submit their views and opinions to the Board, and work to further strengthen corporate governance by supporting both the Board of Directors and the Audit & Supervisory Board.

Managing Executive Officers Committee

To help ensure that the company’s operations proceed smoothly, the Managing Executive Officers Committee, whose membership comprises all Board members other than Outside Directors, as well as the Standing Corporate Auditor, and the Presidents of operating companies,

meets, in principle, once a month, to receive and deliberate on reports regarding important managerial matters at individual operating companies, and other important matters relating to the implementation of business activities.

Governance Structure



Dialog with shareholders and investors

The YBHD Group attaches great importance to building healthy, fair relationships with all stakeholders. We believe that the mutual understanding deriving from dialog with stakeholders leads to appropriate evaluation that will, in turn, enhance corporate value over the medium to long term. YBHD’s investor relations (IR) activities are

conducted in compliance with the Financial Instruments and Exchange Act, with Tokyo Stock Exchange Timely Disclosure Rules, and with other relevant laws and regulations. We are committed to providing shareholders and investors with accurate company information in a timely, fair manner, to the extent possible.

Current status of measures relating to respect for shareholders’ viewpoints

Rules governing respect for stakeholders’ viewpoints based on internal rules, etc.	The YBHD Code of Corporate Behavior stipulates that the viewpoints of shareholders, business partners, employees and other stakeholders must be respected.
Implementation of environmental protection activities, CSR activities, etc.	In accordance with the Code of Corporate Behavior, we implement a wide range of measures to realize environmentally friendly on-site construction, etc.
Formulation of policies, etc., relating to the provision of information for stakeholders	We proactively disclose information relating to decisions made by the company and matters that have occurred within the company, in accordance with the Timely Disclosure Rules formulated by the Tokyo Stock Exchange (TSE).



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