OBAYASHI CORPORATION

CORPORATE PROFILE

MAKE BEYOND

TRANSCENDING THE ART AND SCIENCE OF MAKING OF THINGS

OBAYASHI

Obayashi Basic Principles

Obayashi Philosophy

Obayashi's Vision and Mission in Society

A Leading Sustainability Company

1 Exercise honest craftsmanship with superior technologies and create new value in every space.
2 Care for the global environment and create solutions to social challenges as a good corporate citizen.
3 Value each person with a stake in our business.

By keeping these promises, Obayashi Corporation contributes to realizing a sustainable society.

Obayashi Code of Conduct

These guidelines help us realize the Obayashi Philosophy and continue being an enterprise trusted by all stakeholders

1 Fulfill our social mission

(1) Provide high-quality buildings, infrastructure, and services
(2) Foster an environmentally responsible society
(3) Value every one of our associates
(4) Build stronger mutual trust with suppliers
(5) Build good relationships with communities

2 Ensure strict adherence to corporate ethics

(1) Comply with laws and regulations and take a sensible course of action
(2) Promote fair and free competition
(3) Maintain appropriate relationships with stakeholders
(4) Avoid all contact with antisocial forces
(5) Ensure appropriate information disclosure and transparency of management

Obayashi Three Pledges

The spirit that has guided us since our founding

Quality, Value, and Efficiency

Brand Vision

MAKE BEYOND

TRANSCENDING THE ART AND SCIENCE OF MAKING OF THINGS

The Obayashi Group's hope for the future is to take the craftsmanship technology and knowledge we have cultivated over our history, attune them to our present times, and develop them into new paths forward, and to grow in ways that reach beyond the framework of our existing business.

Realizing a sustainable society

Since its founding in 1892, the Obayashi Group has held to the spirit of the Obayashi Three Pledges: Quality, Value, and Efficiency. We have contributed to realizing a sustainable society by creating new value in space and working to solve social challenges by exercising true craftsmanship and employing superior technologies.

We are expanding our business globally by adding Real Estate Development, Green Energy, and New Business to our portfolio, while leveraging the craftsmanship and knowledge we have cultivated in the construction business. Amid a steady construction market in Japan, the Obayashi Group is currently strengthening the business foundation and accelerating company-wide transformation. We are putting growth strategies for each business into practice while continuing to strengthen the foundation for the construction business, including improving productivity, as we aim to realize the direction of sustainable growth outlined in the Medium-Term Business Plan 2022 where the domestic construction business is at the core, and other businesses generate results that are equal to, or greater than, the domestic construction business. At the same time, we are building an Obayashi Group structure that is able to respond appropriately to any changes in the business environment.

To realize the sustainable society set out in the Obayashi Philosophy, the Obayashi Sustainability Vision 2050 describes the ideal situation for the Obayashi Group in 2050. Aiming to realize sustainability for the planet, society, and people, we will provide diverse solutions that transcend the boundaries of our business by applying the technological and comprehensive strengths of the Obayashi Group to social challenges related to the environment and sustainability, and to the spaces and streets where people come together.

President and CEO

Toshimi Sato

OUR HISTORY

Obayashi Group's History

Since its founding in 1892, Obayashi's members have handed down its DNA of honest craftsmanship and technology. It has relied on that DNA to complete numerous projects emblematic of their era, including Tokyo Central Station (today's Tokyo Station), Kansai International Airport, Tokyo Bay Aqua-Line, and TOKYO SKYTREE®. We supported Japan's modernization and post-World War II reconstruction and helped build the infrastructure for the nation's growth into an economic powerhouse. We continue to take the challenge of creating new value by doing business in partnership with changing societies. These pages trace the Obayashi Group's over 130 years of history.

1892-1945

Supporting Japan's Modernization and Laying the Cornerstone of the Construction Industry

Obayashi was founded as the "Obayashi Store," a civil engineering and building construction contractor, in 1892. The demand for factory construction with the yarn spinning boom of the time gave a big boost to Obayashi's business in the early years. Subsequently, Obayashi entered the market to construct large factories and offices as well as infrastructure construction projects like ports and railroads. Having grown into one of Osaka's premiere construction companies, Obayashi went on to establish a foothold in Tokyo. This period started with the construction of Tokyo Central Station, completed in 1914. It constructed numerous concrete buildings after the Great Kanto Earthquake of 1923, thereby contributing to Tokyo's recovery. Obayashi's track record in public works and other projects grew in the 1930s and beyond, building it into a nationwide construction company.

1914 Tokyo Central Station (today's Tokyo Station)

1931 Main Tower of Osaka Castle

1933 Osaka Subway (Yodoyabashi – Kita-Kyutaromachi)

1956 Nukabira Dam Power Generation Development on the Tokachi River system in Hokkaido

1964 Yoyogi National Stadium 2nd Gymnasium

1970 The Japan World Exposition (Theme Pavilion). Exposition theme: "Progress and Harmony for Mankind"

Business Expands with Construction of Infrastructure as a Foundation for Post-War Economic Development

During the post-war reconstruction era, the focus was on rebuilding government office buildings, schools, and hospitals. The 1950s and 1960s also brought Obayashi numerous projects for the public good, such as dams, power generation facilities, railroad networks, and station buildings. During these years, Obayashi endeavored to meet society's needs. Later, as construction technology progressed, more high-rise buildings were constructed. The Osaka Obayashi Building, completed in 1973, was the first high-rise tower in western Japan. Together with other projects, it kicked off an era in which Obayashi constructed many such towers in Tokyo and Osaka. In 1964, the same year as the Tokyo Olympics, Obayashi started expanding globally with the opening of its first overseas representative office in the Kingdom of Thailand. Then in 1970, the Tokyo Branch Office became the Tokyo Head Office and began overseeing business activities for all of Obayashi.

1946-1990

1991-2016

Obayashi Increasingly Becomes a Global Company as It Takes on More Large-Scale Projects in Japan and Overseas

In the years following 1991, just as Obayashi was approaching its 100th anniversary, Japan's era of powerful economic growth was coming to an end. In spite of the slump in private demand, Obayashi still won a number of domestic landmark projects, including Kansai International Airport, Roppongi Hills Mori Tower, and TOKYO SKYTREE. Outside Japan, the Company participated in large-scale projects like Taiwan's high-speed rail, the Hoover Dam Bypass bridge over the Colorado River, and the Dubai Metro. This era also saw increasing public interest in protecting the environment. In 1992, Obayashi established its Environmental Protection Action Plan and began initiatives designed both to pursue business and protect the environment.

1997 Tokyo Bay Aqua-Line

2012 TOKYO SKYTREE

2011 Dubai Metro Project (United Arab Emirates)

2018 Waterview Connection Tunnels and Great North Road Interchange (New Zealand)

2023 Offshore Wind Farms at Akita Port and Noshiro Port

photo: Akita Offshore Wind Corporation

2017 to the present

Aiming to Realize a Sustainable Society and Enhance Corporate Value

Today, Obayashi continues history-making construction in Japan and overseas. Examples include ES CON FIELD HOKKAIDO and the Jewel Changi Airport in Singapore. We are also focusing on technological innovation utilizing IoT, AI, and robotics and stepping up our renewable energy business to help achieve a decarbonized society with solar, wind, and biomass power stations in operation, as well as working toward the social implementation of green hydrogen produced using geothermal electricity. Moving forward, we will continue to respond to the ever-changing and diverse needs and expectations of society, aggressively try to achieve new growth, and pursue sustainability for "the planet, society, and people."

2023 ES CON FIELD HOKKAIDO

01 Building Construction Business

We provide structures with a wide range of uses: office buildings, residential buildings, commercial facilities, factories, hospitals, schools, and more. From the stage of facility planning all the way through to operation maintenance management, the Obayashi Group works as a team to advance projects with many different departments, including marketing, design, procurement, construction, and technological development. Throughout each building's life cycle, we meet our clients' requests for safety, quality, comfort, economy, and energy efficiency while also helping solve social issues such as carbon neutrality and wellbeing.

Cooperation: The Japan Association for the 2025 World Exposition ©Expo 2025
photo: ©Shinwa

Facility Development for the Japan Association for the 2025 World Exposition Pavilion World Northeast Construction Zone

Location: Osaka City, Osaka

Constructing the Grand Ring, the Symbol for the Expo 2025, Osaka, Kansai, Japan

We constructed the northeast section of the Grand Ring, the world's largest wooden building with a circumference of approximately two kilometers, to represent the Unity in Diversity design concept of the Japan Association for the 2025 World Exposition. We also involved in constructing some of the pavilions and venue preparation.

photo: Kawasumi·Kobayashi Kenji Photograph Office

TAKANAWA GATEWAY CITY THE LINKPILLAR 1 NORTH/SOUTH

Location: Minato-ku, Tokyo

Construction of Twin Towers Symbolizing International Exchange

We constructed THE LINKPILLAR 1 NORTH/SOUTH, located opposite JR Takanawa Gateway Station. The twin towers consist of the NORTH building, with three basement floors and 29 above-ground floors, and the South Tower with three basement floors and 30 above-ground floors. The buildings symbolize the new TAKANAWA GATEWAY CITY as a hub for international exchange.

photo: Woven by Toyota

Toyota Woven City Phase 1 Construction Project

Location: Susono City, Shizuoka

Constructing the Main Buildings for Toyota Woven City Phase 1 in Construction of Toyota Woven City Phase 1 Main Building, Shizuoka

We built a test course for mobility in the shape of a city where people, mobility, and social infrastructure interact. It is a place where the Toyota Group and other corporations aiming to expand mobility and carry out mobility experiences in collaboration with residents and visitors.

New Kagawa Prefectural Gymnasium construction

Location: Takamatsu City, Kagawa

A Multi-Purpose Arena that Blends in with the Mountain Ranges at the Seto Inland Sea

We built the prefectural gymnasium in the Sunport Takamatsu district near JR Takamatsu Station. Characterized by soft curves and low height, the roof is in the shape of two linked domes, one large and one small. This world-class multi-purpose arena features a main arena with a maximum capacity of 10,000 people, and a sub-arena for martial arts facilities.

photo: LINX

02 Civil Engineering Business

We provide various types of social infrastructure including tunnels, bridges, dams, river works, urban civil engineering and railways. From the viewpoint of matters such as energy efficiency, environmental awareness and appropriate maintenance management, the Obayashi Group combines its technological capabilities at every step of a project from assessment to design, construction and maintenance management. Our aim is to increase the service life and accessibility of social infrastructure, provide society with safety and security, and contribute to disaster prevention and mitigation.

Bridge repair at Chuo Expressway Yandarugawa Bridge and 9 other bridges

Location: Nakatsugawa City, Gifu

Large-scale Renewal Project of the Chuo Expressway Using New Technologies

As part of the expressways renewal project, we have carried out deck slab replacement for eight bridges on the Chuo Expressway. By using Slim Fastener, our in-house technology, EMC barrier walls, and the cap slab technique, we were able to significantly shorten the period of restrictions on two-way traffic.

Aigawa Dam

Location: Ibaraki City, Osaka

An Urban-Suburban Dam in Harmony with People and the Natural Environment

As a fundamental flood control measure for the Aigawa river basin in northern Osaka prefecture, we constructed a dam in the vicinity of an urban area at a location approximately 7 km from the center of Ibaraki City. By significantly improving the effects of flood control, we have provided residents with a safe living environment.

Kawanishi Wind Farm

Location: Wakkanai City and Toyotomi Town, Hokkaido

Wind Farm with the Capacity to Supply Electricity Equivalent to 47,000 Households

The third power generation facility was constructed as part of the Dohoku Wind Power Generation Project, which installs wind power generation facilities in the Dohoku region. The wind farm is equipped with 15 wind turbines, each one with a capacity of 4,300 kW, one of the largest in Japan, providing enough electric power to supply approximately 47,000 households.

Yumeshima Station, Chuo Line, Osaka Metro

Location: Osaka City, Osaka

Construction of Unique Railway Route to the EXPO 2025 Site

We constructed civil engineering structures for the shield tunnel section from the Yumesaki Tunnel, as well as the crossover section and cut-and-cover tunnel section at Yumeshima Station, for the unique railway route that takes visitors directly to Yumeshima and the site of the Expo 2025, Osaka, Kansai, Japan. We overcame the difficult conditions characteristic of a landfill site and completed the work without any accidents.

03 Real Estate Development Business

We develop and hold excellent properties for lease in favorable locations, primarily in urban areas, providing safe, secure and comfortable spaces for tenants and users. We apply the knowledge we learned in the construction industry and the latest technologies and functions to maintain facilities. As a business partner and specified agent for urban redevelopment projects and as a private-sector large-scale development business, we contribute to the low-carbon society and sustainable community development.

O-NES TOWER

Location: Thailand

The Office Building with Cutting-Edge Technologies Pursuing the Collaboration between Thailand and Japan

O-NES TOWER is an office building with direct access to Nana Station on the BTS Skytrain. It is one of the largest office building that is 100 % owned by the Obayashi Group. Thai Obayashi had done all process regarding this building, such as the land acquisition, design and build for their first time. The building, which is designed for energy conservation and wellness, has obtained gold certification under the LEED and WELL certification programs.

photo: Grand Green Osaka Developer

Grand Green Osaka

Location: Osaka City, Osaka

Creating Osaka MIDORI LIFE: A Fusion of Greenery and Innovation

A large-scale complex of offices, hotels, the JAM BASE innovation facility, commercial facilities, and residential housing built on private-sector land centered on Umekita Park, a large-scale high-quality urban park of approximately 45,000 m^2 developed by private-public partnership and located at the entry to JR Osaka Station.

YOKOHAMA SYMPHOSTAGE

Location: Yokohama City, Kanagawa

The new landmark in Yokohama Creating Diverse Workstyles

Completed in March 2024, the complex houses offices, a hotel, and retail outlets in two high-rise buildings located within walking distance of Yokohama Station. Attracting attention as the new landmark in the Minato Mirai district, the complex collaborates with surrounding facilities to offer users inspiration, encounters, and diverse workstyles.

OAK LOGISTICS CENTER ENIWA

Location: Eniwa City, Hokkaido

Environmentally Friendly Logistics Hub Makes Efficient Use of Features Unique to Cold Climate

The multi-purpose logistics hub (maximum 8 sections) is configured with vehicle lanes inside the building. To reduce power consumption and CO_2 emissions, the facility is fitted with a snow cooling system that stores cleared snow in tanks and uses the thermal energy of the snow and ice for cooling during the summer. The logistics center has obtained Rank A in the Comprehensive Assessment System for Built Environment Efficiency (CASBEE) and ZEB Ready under Net Zero Energy Building (ZEB) certification.

04 New Businesses

Aiming for a decarbonized society, the Obayashi Group is actively pursuing projects beyond the fields of construction and real estate development. New businesses include electric power generation from renewable energy (solar, wind, biomass, and geothermal) in Japan and overseas, building hydrogen supply chains. In keeping with changes in the times and environment, we will use the technologies and expertise cultivated through the construction business to diversify our revenue base and contribute to the realization of the Sustainable Development Goals (SDGs).

Te Ahi O Maui (TAOM) Geothermal Power Plant

Location: New Zealand

Building Value Chains for the Green Energy Business

We have formed a capital alliance with Eastland Generation Limited, which owns geothermal and other renewable power plants. In addition to utilizing their expertised know-how and experience in geothermal power projects in Japan, the collaboration with Eastland Generation will assure the necessary renewable energy sources for the Obayashi Group green hydrogen business.

Cypress Sunadaya PPA (Obayashi Group)

Location: Saijo City, Ehime

Supply 2 MW Renewable Energy to Reduce CO_2 Emissions by 970 tons/year

In January 2025, we started to supply renewable energy to the Cypress Sunadaya factory. For the customer, a power purchase agreement (PPA) means that they can achieve decarbonization and fix the electricity rate for the long term without initial costs. We will continue to propose and provide sustainable solutions.

a

b

c

Enterprises Established in New Business Domains Based on the Technologies and Networks Cultivated through Traditional Business Domains

a MiTASUN Inc. Founded: November 2024

Location: Minato-ku, Tokyo

Set up a Company to Develop and Operate Urban Data Centers

The Obayashi Group contributes to improving the social infrastructure and creating new value in cities by renovating or rebuilding existing vacant buildings into data centers with medium power consumption. To do so, we leverage the technological strength and know-how gained in the construction business and the knowledge and local networks of our real estate development business.

b PLiBOT Co., Ltd. Founded: August 2022

Location: Katsushika-ku, Tokyo

Aiming for a Sustainable Society where Humans and Robots Collaborate

We facilitate centralized management of autonomous operations by connecting customer-owned facilities and different types of autonomous robots, such as indoor transport, outdoor transport, and cleaning robots, to a single integrated operational platform, we provide solutions tailored to the customer's needs.

c Oprizon, Ltd. Founded: February 2023

Location: Minato-ku, Tokyo

Our Smart Buildings Create Exciting Experiences

The company aims to be the leading smart building service provider that offers a comprehensive one-stop service, consolidating all necessary ingredients for a smart building: "construction," "equipment," "digital," and "systems." Oprizon, Ltd. will enable the building owners to operate confidently over the long term.

05 Overseas Business

Together with our group companies, we are expanding into various areas of the construction business, with projects in regions such as North America, Southeast Asia, and Oceania, leveraging technological capabilities cultivated through our domestic construction business. We combine broad experience, gained through over half a century of overseas business as a global contractor, with the capabilities of our worldwide network to respond properly to the diverse needs of each region.

Cityview Oakland Waterfront Parcel J

Location: U.S.A.

Residential Complex Benefiting from the Strengths of Group Companies

Webcor and James E. Roberts JV, two of our Group companies, collaborated on the construction of a residential complex with 378 units in Oakland, California. Webcor which has a strength in concrete construction, handled the concrete work while J.E. Roberts in wooden architecture, built the wood frame.

Bird Paradise

Location: Singapore

Bird Park for More than 3,500 Birds of 400 Species in Singapore

Obayashi Singapore Private Limited built the 170,000㎡ Bird Paradise. New technologies of Obayashi Group, such as 3D roofing materials, were installed for the bird-shaped entrance and construction was carefully carried out to preserve the natural ecosystem. The project has won the OCAJI Project Award 2024.

Bangabandhu Sheikh Mujib Railway Bridge WD1 (the Jamuna Railway Bridge Construction Project)

Location: Bangladesh

Provide Solution for Congestion in Bangladesh

We constructed a railway bridge parallel to an existing railway and road bridge over the Jamuna River, which flows through the center of Bangladesh. The construction was completed despite the difficult situation of the COVID-19 pandemic and political upheaval. The new bridge contributes to improving the safety and transport efficiency of the logistics infrastructure in Bangladesh.

LNG Tank Installation, Taoyuan Third LNG Receiving Tank

Location: Taiwan

Contributing to Taiwan's Energy Transition with Obayashi Corporation's Technology

Along with the energy transition policy of the Taiwanese government, we designed and built storage tanks for the procurement of natural gas to power plants. In order to improve productivity in the construction of mechanical equipment for the vaporization facility area, piping foundations, and water storage pits, we used construction information modeling (CIM) and precast construction methods.

06 Engineering Business

We provide the latest engineering technology with optimal cost performance for a wide range of fields and applications, including production facilities (pharmaceuticals, food products, etc.), environmental facilities (including renewable energy power generation facilities), the use of ICT for buildings and facilities, and soil and water pollution countermeasures. Leveraging the technologies and expertise we have developed as a general construction business, we provide end-to-end support for all types of needs, from project planning to design, procurement, construction, test operations, management, and maintenance.

photo: Kenya Chiba Photography Studio

ARCALIS mRNA Drug Substance Facility

Location: Minamisoma City, Fukushima

mRNA Vaccine Drug Substance Facility that Combines Quality with Flexibility

As part of a project to build Japan's first integrated plant for manufacturing active pharmaceutical ingredients (API) and pharmaceutical formulations for the mRNA vaccine, we were contracted to design and construct the building for the drug substance facility. By installing flexible production equipment, we delivered a highly efficient facility that supports the manufacturing of high-quality API.

photo: Green Power Investment Corporation

Green Power Fukaura Wind Power Plant

Location: Fukaura Town, Nishitsugaru-gun, Aomori

A Wind Power Station With 19 Wind Turbines and Total Output of 79.8 MW

We were responsible for the design and construction of the power collection system and electrical work for offshore wind turbines at an onshore wind power facility. Keeping to the timetable, we laid a total cable length of 37.5 km, carried out electrical installations for nineteen 4.2 MW offshore wind turbines, and completed self-inspection prior to use during a construction period of approximately two years.

WELCS place® (Smart Building Platform)

Location: Yokohama City, Kanagawa

Improving Convenience for both Managers and Users and Adding Value to the Building

We installed the digital platform WELCS Place at Obayashi's PortPlus building. We improved energy conservation, convenience, and comfort through energy visualization, facial recognition, and a Wi-Fi subscription service.

Ege Ordinary-Waste Disposal Site

Location: Hiroshima City, Hiroshima

General Landfill Site Equipped with Heavy Rain Disaster Prevention Facilities

We have built a waste disposal site with multiple disaster prevention facilities, including a regulating pond to cope with once-a-century rain storms. The structure is designed with a surface water barrier system, such as double water barrier sheets and soil impermeable layers, and a vertical water barrier wall installed underground to prevent the spread of leachate in the event of a leak.

07

Technological Development

Technology is the engine that enables the Obayashi Group to fulfill its social mission. The Technology Research Institute leads Obayashi's proactive technology development efforts. This development not only benefits our customers' projects but also meets society's need to care for the environment and enjoy safety and security.

Technology Research Institute

The Source of "Obayashi Technology," Established in 1965

The Technology Research Institute (Kiyose City, Tokyo) is our most important center for technological development. The institute has continued to evolve in step with the times since its establishment in 1965. Working in the fields of technological innovation, technical verification, and technical presentation, the institute looks to the future as it takes on the challenges of developing new technologies to respond to the needs of our customers and society.

Techno-Station

The First Net Zero Energy Building (ZEB) in Japan

Techno-Station is the core facility at the Technology Research Institute. We have achieved ZEB certification by offsetting all energy consumption with renewable energy generated at the facility while maintaining the interior as a comfortable office environment. In 2017, the facility became the first in Japan to obtain Gold certification under the WELL program.

Keyaki Terrace

A Technology Showroom that is Minimum and Simple

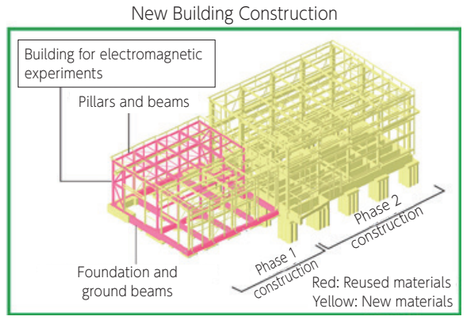
The purpose of the facility is to deepen communication in a relaxed atmosphere. The technology showroom has adopted technologies developed by Obayashi, such as Clean-Crete® low-carbon concrete, Alpha Timber® incombustible wood, and Multi Mist® sanitation technology.

Multipurpose Laboratory 2

Visualizing Technologies An Open and Fascinating Experimental Space

Aiming for green innovation and globalization, the Multipurpose Laboratory 2 concept is a flexible and fascinating experimental space capable of adapting to changing times. We are engaged in research on concrete materials for a decarbonized society and technical development related to construction DX.

Technology Topics



Initiative to Reuse Building Structures

After a building has been demolished, steel and concrete components are usually dissolved or crushed before they are recycled into new materials. In a first for Japan, the experimental Multipurpose Laboratory 3 on the premises of the Technology Research Institute has launched an initiative to reuse these structural components in new buildings.

Technology Supporting Circular Use of Wood Materials

Aiming for a stable supply of saplings for afforestation, we have developed a hybrid seedling production system that combines artificial light and natural light. We have set up a pilot plant at Nichinan Town, Hino-gun in Tottori Prefecture where we are mainly producing Japanese larch saplings for forestry businesses in the surrounding areas.

Initiatives that Contribute to Biodiversity Conservation

Obayashi and Nankai Electric Railway Co., Ltd. jointly carried out a biological survey of Parks Garden, a rooftop garden at Namba Parks, a property we designed and built with biodiversity in mind and have managed and operated for more than 20 years. The survey confirmed that the garden is inhabited by a variety of thriving living organisms.

Technologies for Safe Blasting at the Tunnel Working Face

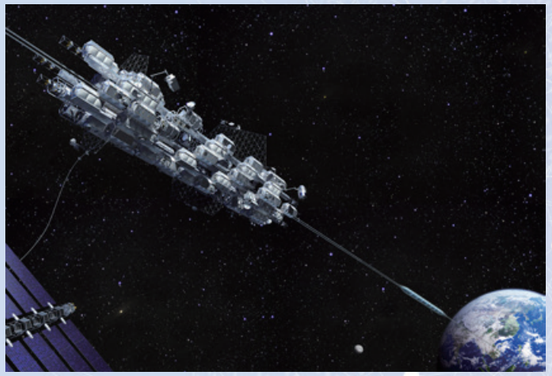
In collaboration with Keio University, we have developed an automatic explosive loading system that applies real haptics technology to reproduce force and touch remotely, and have successfully loaded and detonated real explosives remotely from outside a tunnel.

Conceptual Visions for the Future

Aiming to resolve social challenges and realize a sustainable society,
the Obayashi Group envisions advanced societies, cities, and businesses
powered by innovative future technologies.
Below are a few examples.

Linking the Earth to Space
The Space Elevator Construction Concept

A space elevator is a transportation system for carrying people and goods to space, economically and in large numbers. A cable 96,000 km long would lead from earth to space. Obayashi will install experimental and research facilities to heights suited to their applications. As space development proceeds, going into space is no longer just a dream but becoming a social need. For example, space-based solar power generation and space resource exploration and usage are important elements that could be foundational to society in future. People are also interested in space tourism now. If the space elevator concept is realized, it will expand the possibilities in many space-related fields.



A City that Coexists with the Forest
The “LOOP50” Construction Concept

LOOP50 would be a recycling-oriented, self-supporting community that makes its buildings and energy solely from forest resources. Trees would grow for 50 years in the community-owned forest and then harvested to add a new section to the structure each year. Another section of the structure, having reached 50 years of age and served its purpose, would be dismantled and its wood used as an energy source (biomass power) for the community. While Japan has the second greatest forest cover of all OECD nations, its forests are being devastated by the decline of the forestry industry and the country’s depopulation. In the concept, the LOOP50 community would be in a semi-mountainous area. It would make maximum use of Japan’s abundant forest resources and use the trees in a cycle synchronized with the growth rate of the forest. The community would offer both sustainability and an attractive lifestyle.

The Sustainable Agriculture of the Future
The “COMPACT AGRICULTURE” Concept

This concept visualizes what agriculture may look like in the future after the technology sufficiently develops. Specifically, in this vision, agriculture would supply people with an appropriate amount of food to sustain their lives, no matter the environment in which it is practiced. There would be local production for local consumption. And all of this could happen without damaging the global environment. Features of the concept include an automated, efficient food production system, a closed resource loop, and the use of AI and big data to control supply and demand. Together, these could realize sustainable agricultural practices anywhere in the world. Compact Agriculture could solve many social issues, such as eliminating the food waste that happens in processes from production to consumption and limiting food loss. It could also inspire ideas for ways to achieve the SDGs.

Website Profile

Obayashi’s website is a communication tool that helps us foster good relations with our stakeholders.
We manage our website to be useful and convenient for users by posting content
about Obayashi’s past and present and the future we aim to achieve.

https://www.obayashi.co.jp/en

Projects

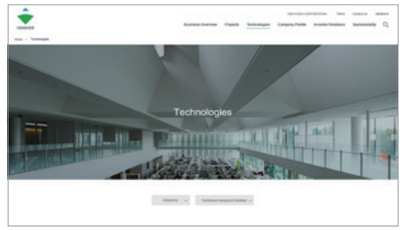
Showcases some of our construction projects. Regional landmarks, social infrastructure and many other buildings and structures can be searched by facility type, year of completion, and location.

https://www.obayashi.co.jp/en/works

Solutions / Technologies

Topics include Obayashi’s technology and ideas for solving problems. Content is arranged according to type of need (safety and security, environment, etc.) and facility application.

https://www.obayashi.co.jp/en/solution_technology



Sustainability

Introduces our initiatives aimed at realizing a sustainable society. Conveys information on the ways we provide things like quality structures and contributes to local communities and environmental protection.

https://www.obayashi.co.jp/en/sustainability

OBAYASHI CORPORATION

Shinagawa Intercity Tower B, 2-15-2
Konan, Minato-ku, Tokyo
108-8502, Japan
TEL +81-3-5769-1111
https://www.obayashi.co.jp/en

This booklet is printed on FSC™-certified paper.
This booklet uses characters with an easy-to-read design based on universal design (UD) principles.

Printed in Japan

2025.09