

A mission to deliver.

The power to challenge.

A future to connect.



*Kansai  
Transmission and  
Distribution, Inc.*

Company Profile





Commitment to fair and sincere business activities.

Continuing to provide service to everyone.



Kansai Transmission and Distribution, Inc. began operations in April 2020 as a general power transmission and distribution business that split from The Kansai Electric Power Company, Incorporated in accordance with the revision of the Electricity Business Act.

In accordance with the spirit of the law, we will meet the expectations of society and our customers with fairness and integrity as the basis of our business activities.

Our unchanging mission, delivering safe, stable, and low-priced electricity, will be achieved by steadily following the business plan established under our wheeling charge system and in line with the wishes of our stakeholders. At the same time, we will be efficiently promoting the construction of next-generation networks capable of coping with increasingly severe natural disasters and the expansion of renewable energy, and adopting measures to prevent the aging of facilities.

We will also continue to find ways to utilize the strengths we cultivated in the power transmission and distribution business to undertake new business, both in Japan and overseas, as we grow together as one alongside the Group companies Kanden Engineering Co. and The Kanden Services Co., Inc. This will be the next stage in our evolution as a multi-platform energy business\* that provides new value to our customers and society without limiting ourselves to the electricity wheeling business.

Kansai Transmission and Distribution will continue to provide services to customers and society based on our mission of “Serving and Shaping the Vital Platform for a Sustainable Society” with dedication to fair and sincere business activities, including strict compliance with laws and regulations, as well as ensuring safety. We look forward to your continued support.

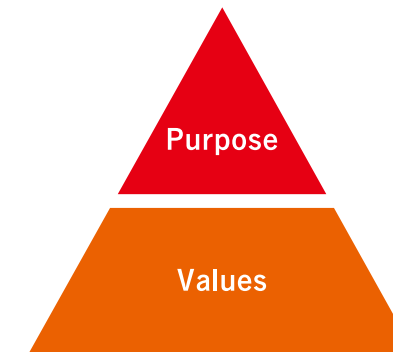
President and Director  
Kansai Transmission and Distribution, Inc.

*Takayuki Hobara*

\* A multi-platform energy business refers to an entity that provides new value by bringing together the best products, services, and trade opportunities for customers and society by deepening, expanding, and combining various platforms including a company's data, facilities (power facilities), transactions (new value transactions beyond electricity), and human resources (personnel, technical know-how).

## Management Philosophy

Kansai Transmission and Distribution Group  
Management Philosophy Purpose & Values



### Purpose

**Serving and Shaping the Vital Platform  
for a Sustainable Society**

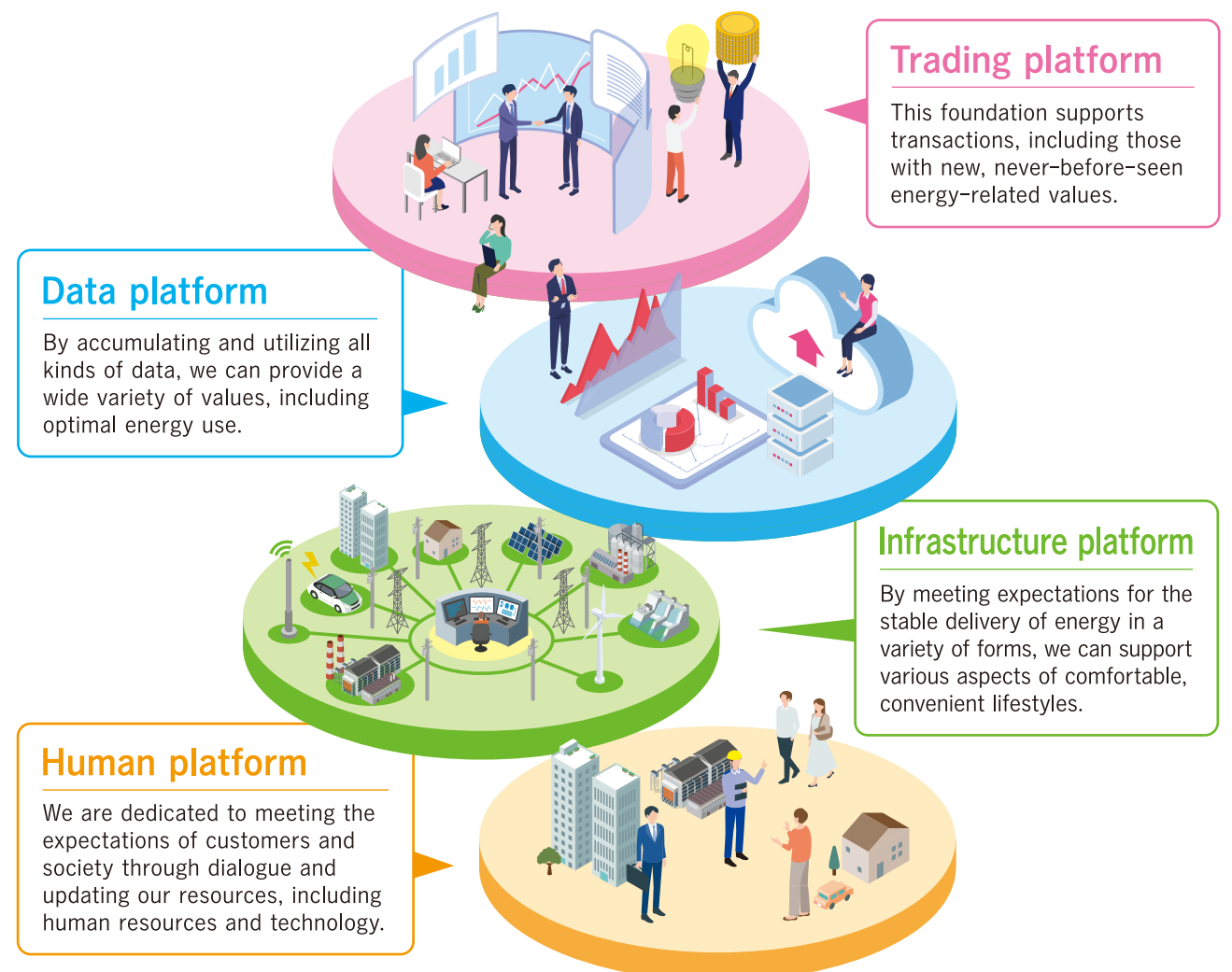
### Values

**Fairness × Integrity × Inclusion × Innovation**

With dedication to safety and security, we will act upon  
the values of Fairness, Integrity, Inclusion, and Innovation.

## Group Vision

In addition to strengthening and expanding the Group's foundation, we will work to create a new foundation that will allow us to provide a wide variety of energy-related values as well as new values that exceed expectations.





## Business Overview Transmission and Distribution Business

In order to deliver electricity from power plants to customers, Kansai Transmission and Distribution is engaged in the transmission and distribution business, including the operation of power systems and the planning and construction of transmission, substation, and distribution facilities.

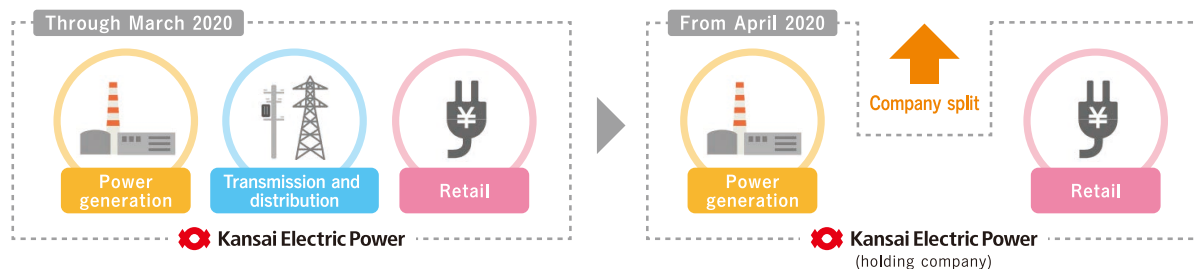
### Transmission and distribution business split

Through March 2020, Kansai Electric Power was responsible for the power generation, transmission and distribution, and retail businesses. In April 2020, under the Electricity System Reform, Kansai Transmission and Distribution began operations by taking over the transmission and distribution business, with the goal of ensuring stable supply, controlling electricity costs, and providing greater customer options and business opportunities for companies. We strive to ensure both greater neutrality and fairer and more equitable business operations.

**Kansai Transmission and Distribution**  
(transmission and distribution company)



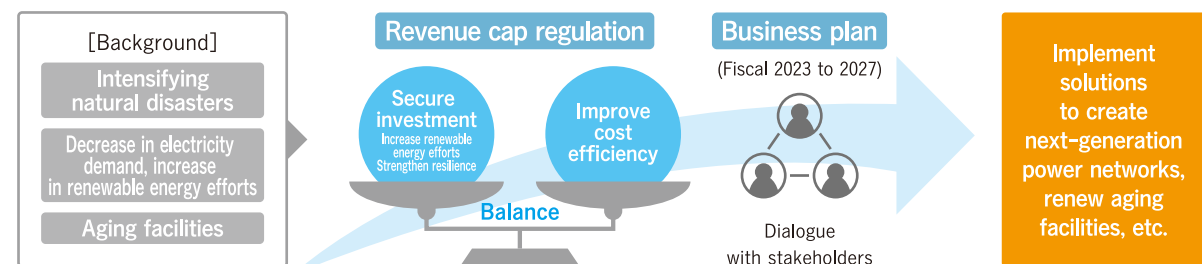
Transmission and distribution



### Wheeling charge system (revenue cap system)

The wheeling charge system will secure investment by general power transmission and distribution operators (“operators”) and improve cost efficiency to respond to intensifying natural disasters, a decrease in electricity demand, expanding renewable energy, and aging\* facilities. Operators will formulate a five-year business plan, calculate the estimated costs required to implement that plan, and apply to the government for examination and approval of the amount as a revenue projection. By implementing business activities based on this business plan, operators will resolve our issues, such as creating next-generation power networks and renew aging facilities.

\* Aging refers to the fact that most transmission and distribution facilities were constructed after the period of high economic growth and have been in use for a long time.



## Ensuring a Safe and Stable Supply of Electricity

### Power transmission

Transmission lines serve to connect power plants to substations, and substations to each other, in order to transmit large amounts of electricity at high voltages efficiently. In addition to overhead transmission lines suspended up high from steel towers or other constructions, underground transmission lines are also used, mainly in urban areas.



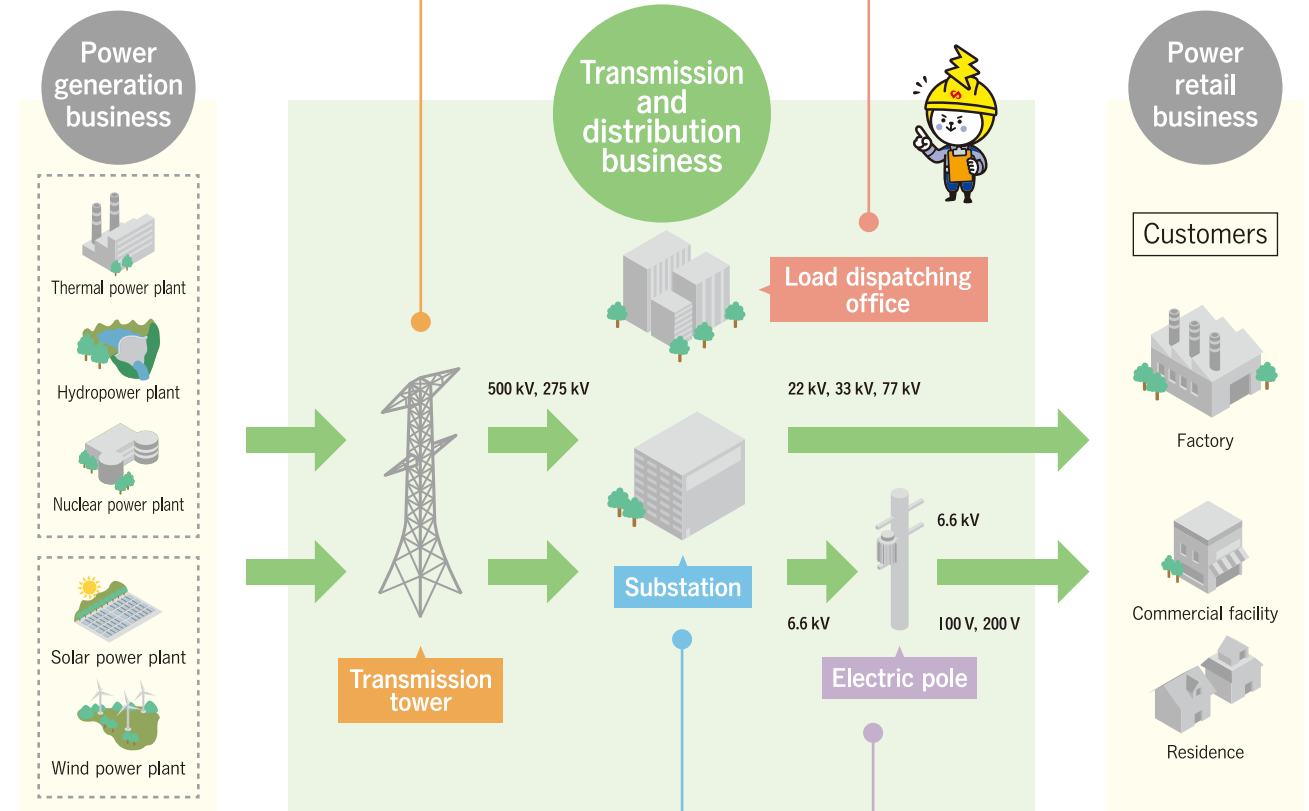
Overhead transmission lines



Underground transmission lines

### Load dispatching

Comprehensive control of the various facilities in the power system ensures a stable supply of electricity to households, factories, and others 24 hours a day, 365 days a year. Control of the electricity flow can also contribute to expanded introduction of renewable energy.



### Substation

To reduce power loss, electricity generated at a power plant is kept at an extremely high voltage until near the consumption point, where the voltage is then stepped down for use in households, factories, and other locations. This voltage conversion is handled by substation facilities.



### Power distribution

Power distribution facilities deliver the electricity transmitted from power plants via transmission lines and substations to customers. Ordinary households are supplied with low voltages, while factories, office buildings and similar locations are supplied with higher voltages depending on their scale of operations. Distribution lines run both overhead and underground.



Overhead distribution lines

### Electric retail consignment service

We utilize power transmission and distribution facilities for “consignment supply,” where electricity produced by retailers is supplied to designated locations. If there is an excess or deficiency in the amount of electricity received, we also adjust the supplied electricity amount accordingly by supplying insufficient electricity when necessary or purchasing surplus electricity.





## Preventing power outages

To ensure a safe and stable supply of electricity in support of today's lifestyles, we work to prevent power outages by conducting patrols and inspections of transmission and distribution facilities. At our aging facilities, we incorporate AI and collect and analyze maintenance data to further improve the accuracy of facility management and operations, and we continue to systematically update our facilities.

### Proper maintenance and operation facilitate management of transmission and distribution facilities

When a fault occurs, it can lead to a widespread power outage. We carefully monitor and regularly patrol and inspect our facilities located in various environments, ranging from electric poles in cities to rugged mountainous and snowy areas. We also replace or repair parts as necessary.



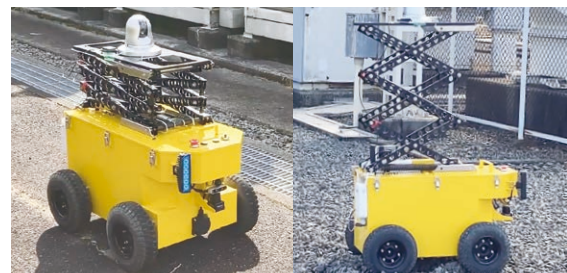
### Countermeasures against aging transmission and distribution facilities to ensure safe and stable supply of electric power

In addition to the patrolling and inspection of aging transmission and distribution facilities, we have established systems that use AI and other technologies to analyze the large volumes of facilities data we collect, analyze deterioration of facilities, and estimate service life. We also use evaluations of the risks of facilities based on the possibility and impact of equipment failures to renew facilities at the most suitable times.



### DX (digital transformation) initiatives for patrolling transmission and substation facilities

We are already introducing and utilizing drones during patrols and on-site investigations to perform visual checks and collect device data at steel towers and transmission lines. In the past, workers had to perform work on steel towers during patrols and inspections of steel towers and transmission lines, but now drones are used to perform aerial checks, enhancing the efficiency of operations. We will further promote DX in the future through initiatives such as using drones and robots to investigate the insides of substations.



Drones (left) and small camera-equipped robots (right) are being considered for investigating the insides of substations.

## Restoring power quickly

When a power outage occurs during a storm or other event, we quickly assess the status and begin rapid efforts to restore power. Our front-line personnel are always working to further enhance their skills. In addition, we utilize a SCADA power system and distribution automation system and make various efforts to quickly restore power by working with municipalities and other outside organizations.

### Rapid recovery and extensive training in case of a disaster

In order to fulfill our mission of ensuring a safe and stable supply of electricity, we regularly conduct power outage restoration drills, and through our "Company-wide Skills Presentation" and similar events, we are aiming to further enhance the skills of personnel working at the front line. In the event of a disaster, we quickly collect information and investigate the extent and status of the damage and then use that information to work towards rapid recovery. In response to requests for assistance from other general transmission and distribution companies affected by a disaster, we also dispatch support outside the Kansai region to strengthen cross-regional cooperation. We will continue to further strengthen our readiness in preparation for major disasters.



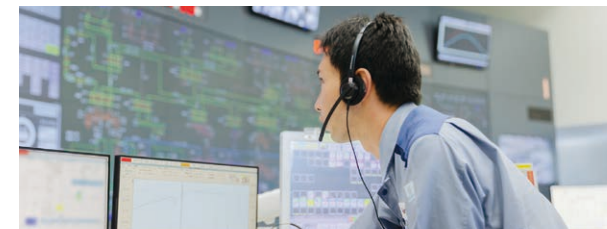
Company-wide Skills Presentation



Noto Peninsula Earthquake support dispatches

### Supervising power system and early recovery from power outages

At the Central Load Dispatching Office as well as the Regional Load Dispatching Control Centers and other facilities for each area, we maintain a constant supervision of the electricity flow, in order to respond quickly if a power outage should occur. If a power outage occurs, the SCADA power system and distribution automation system are used to quickly detect the fault location and immediately isolate it so that power can be quickly restored. At the same time, a work team makes its way to the site to remove the cause of the power outage.



### Working with municipalities, etc. in case of a disaster

In the event of a typhoon, earthquake, or other natural disaster, we cooperate with municipalities and other outside organizations to ensure quick recovery and proper information dissemination. We have cooperative agreements with these organizations, and have a disaster response system in place to regularly hold joint training and other preparatory measures.



### Disseminating power outage information in a timely manner

To ensure timely dissemination of information to as many people as possible in the event of a power outage, we use various methods to provide that information, such as the Kansai Teiden Joho (Kansai power outage information) smartphone app, our website, and social media.



Power Outage Info App (Japanese only)

Scan here to download the app



Power outage information is sent by push notifications. Users can register for up to 10 areas.

Check the progress of restoration efforts and expected time power will be restored.



## Together with the community

Coexisting with the community while using the Group's resources



Each year in June, we celebrate Community Appreciation Month as an opportunity to convey our appreciation to everyone in the community who uses electricity in our supply area where we install and operate transmission and distribution facilities including substations, transmission towers, and electric poles. During Community Appreciation Month, we inspect and clean electrical equipment at cultural assets using our equipment and technical know-how, and cooperate with community events. Through dialogue with our stakeholders and other opportunities, we collect opinions and requests from members of the local community as well as best practices, and share and discuss these internally to reflect them in our business activities.

We participate in Future Life Expo: Future City as part of the Future Society Showcase Projects Exhibition at Expo 2025 Osaka, Kansai, Japan, as a bronze partner.

Expo 2025  
Official character  
MYAKU-MYAKU  
©Expo 2025



We are researching Smart Poles, which can add a variety of functions, including energy supply from solar power generation, digital signage-based information displays, and security and monitoring using AI-based cameras. We plan to exhibit and demonstrate Smart Poles at Future Life Expo: Future City as a platform for helping to solve social issues in future cities.

We are building the power infrastructure for Expo 2025 Osaka, Kansai

We are responsible for the construction of the power infrastructure inside the Expo 2025 Osaka, Kansai venue, and we are entrusted with the design, installation, maintenance, and operation of electric equipment to be used. With the highest priority on safety, we are dedicated to ensuring smooth construction to provide an environment in which everyone can enjoy the Expo 2025.



## Business Overview New Business

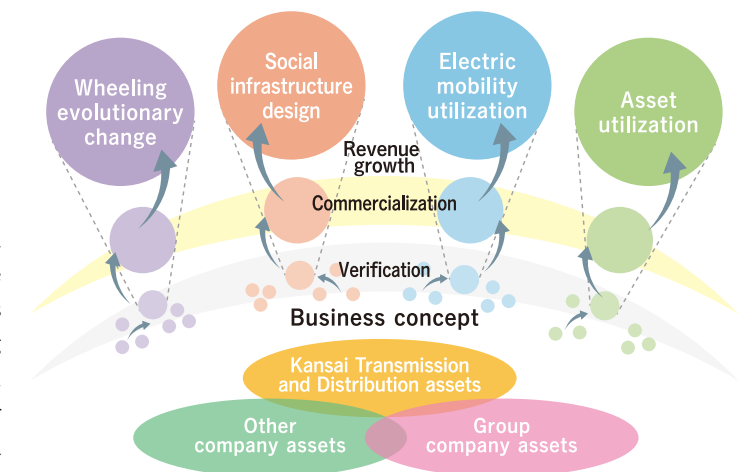
Utilizing our facilities located throughout the Kansai region and drawing on our accumulated technologies and extensive experience, Kansai Transmission and Distribution is venturing into new business areas such as providing services that use location information on electric poles and smart meter data. More specifically, centering on four strategic areas, we will create new services that will make a positive difference in local communities and society.

### OTTADE!

The OTTADE! service allows customers to confirm their children's location history including the routes traveled. The signal emitted from a small device carried by each child can be detected by fixed base stations (detection devices) and mobile base stations (detection devices). Data is collected every time the child passes by these stations. This service is useful for monitoring activities such as children going to and from school.

### Development of frequency regulation technology using storage batteries

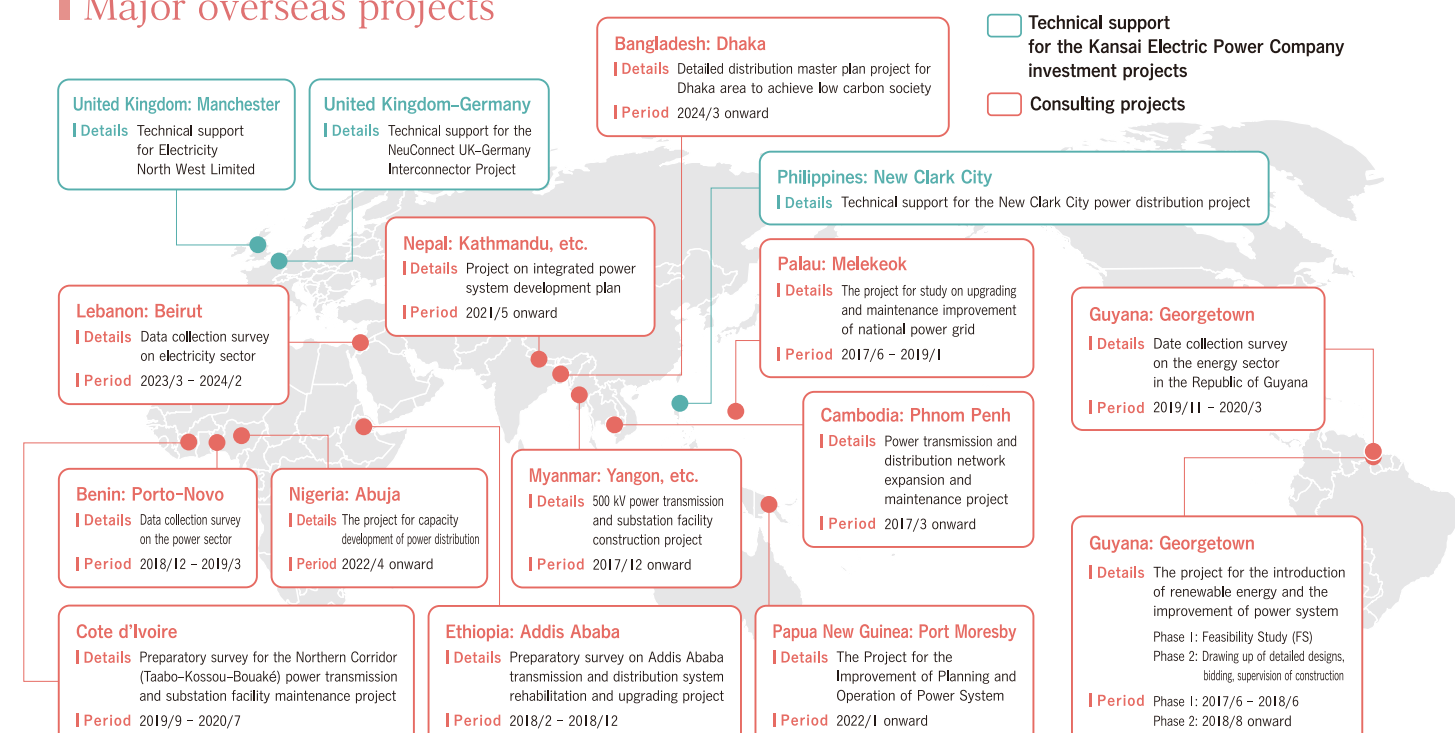
We have been developing frequency control technology using energy storage batteries and EVs to provide the K-LIBRA charge/discharge control system to grid energy storage battery and virtual power plant (VPP) operators. This initiative will help us to establish a zero-carbon society, including by resolving the supply and demand adjustment capacity shortages associated with the mass introduction of renewable energy.



## Business Overview International Business

Kansai Transmission and Distribution utilizes the technical capabilities and expertise acquired across all domestic power transmission and distribution operations, including planning and operating power systems, and survey, design, construction, and maintenance work in the power transmission and conversion, power distribution, security, and control fields. We will continue to work with Group companies to expand the power transmission and distribution business overseas and promote international cooperation to boost profitability and advance technical capabilities.

### Major overseas projects





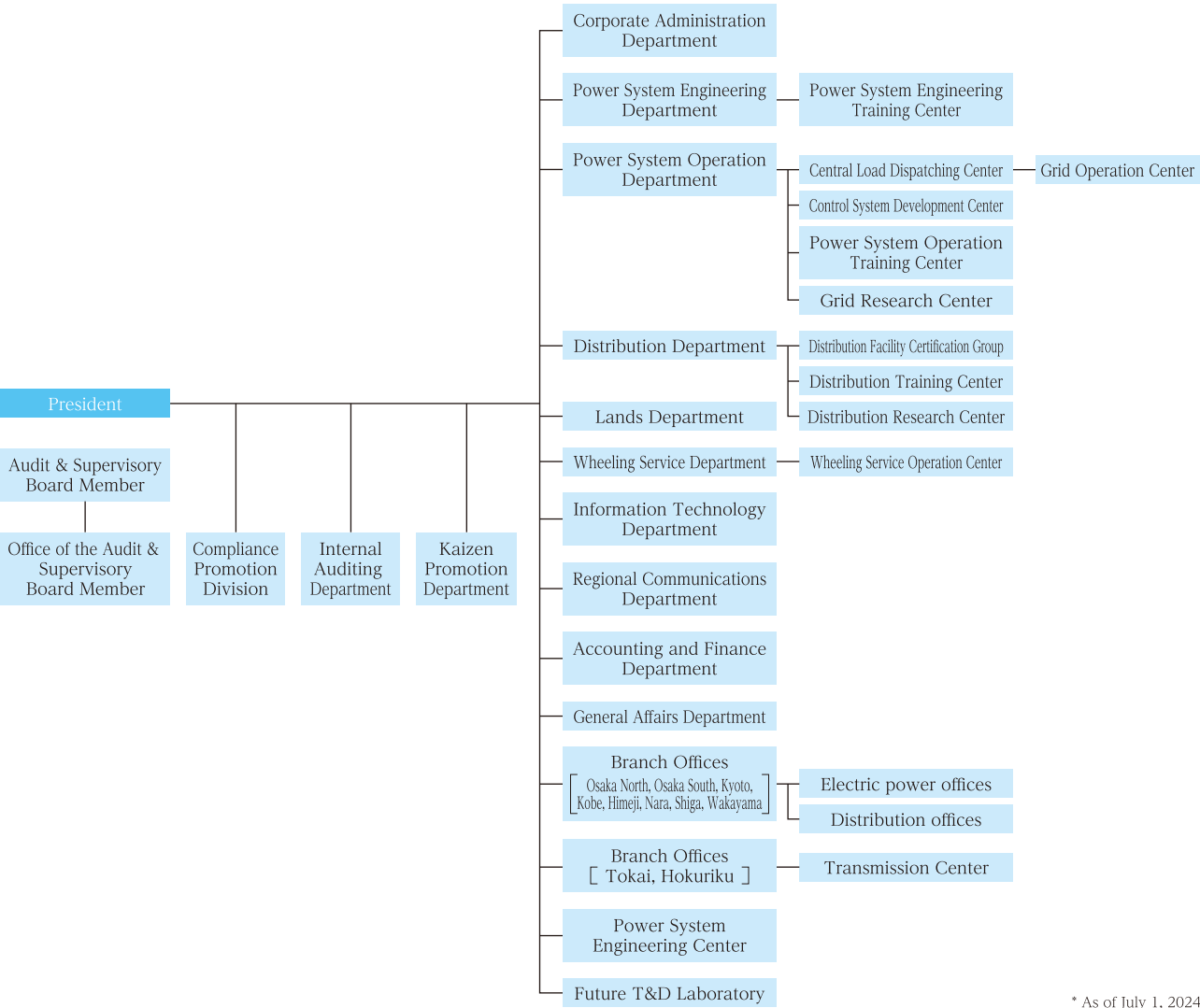
Corporate Information

[Outline]

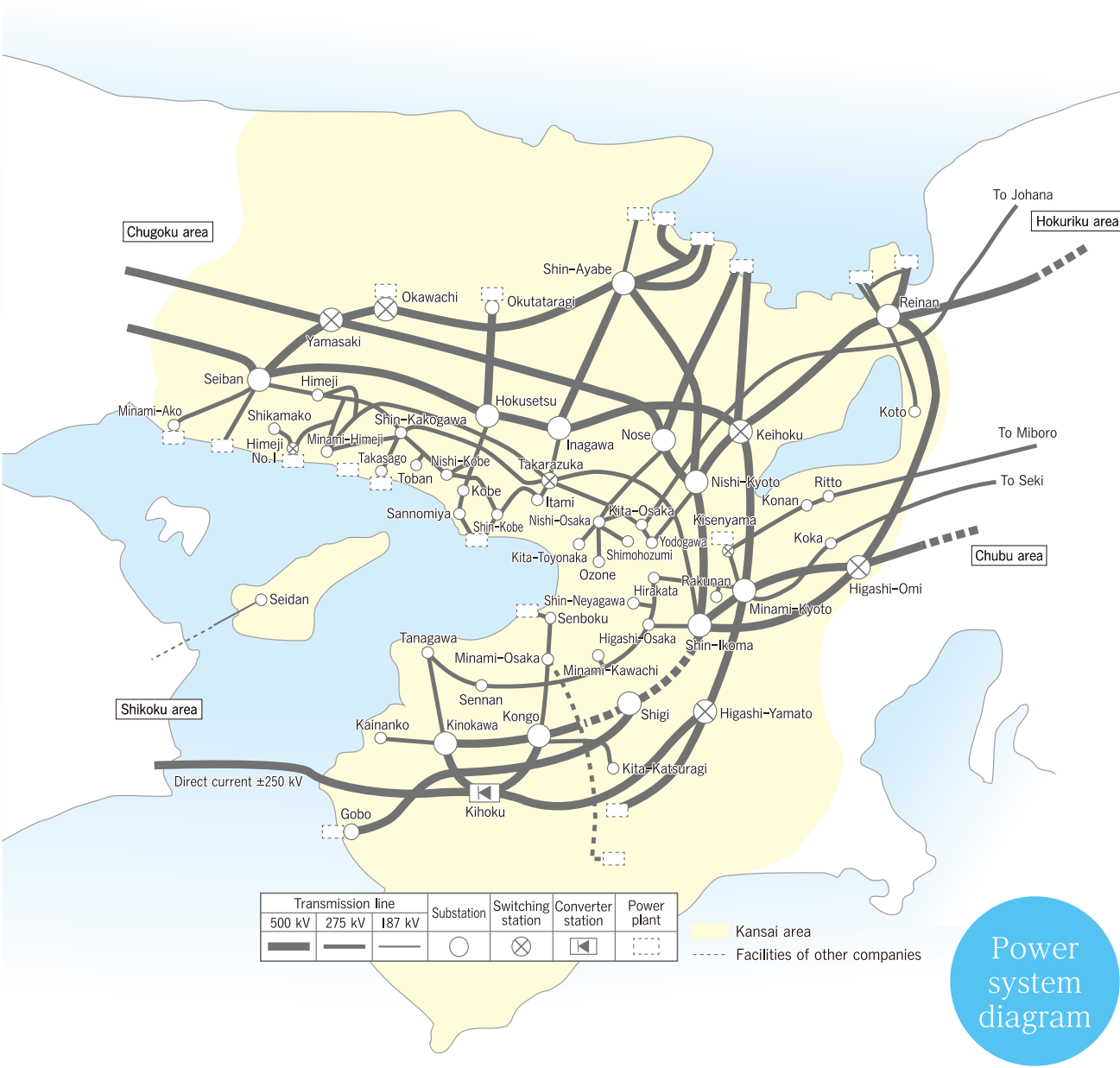
Company name	Kansai Transmission and Distribution, Inc.	Executives	
Establishment date	April 1, 2019 (Business continuation as of April 1, 2020)	Takayuki Hakugin, President and Director	Takeshi Myotoku, Executive Officer
Capital	¥40 billion	Hiromi Ohkawa, Director and Executive Vice President	Yasuo Matsuura, Executive Officer
Supply area	Osaka, Kyoto, Hyogo (excluding some areas), Nara, Shiga, Wakayama, parts of Mie, parts of Gifu, parts of Fukui	Yukio Tokimasa, Director (part-time)	Naohiro Takeshima, Executive Officer
Number of employees	8,381 (As of March 31, 2024) * Excluding seconded employees and employees on leave, etc.	Masatoshi Okubo, Director (part-time)	Hiroaki Nishigami, Executive Officer
		Masahiko Tsuda, Audit & Supervisory Board Member	Koji Teramachi, Executive Officer
		Yasuhiro Sakurai, Audit & Supervisory Board Member	
		Yasuji Shimamoto, Outside Audit & Supervisory Board Member (part-time)	
		Atsushi Nishida, Managing Executive Officer	

\* As of October 2, 2024

[Organization Chart]



\* As of July 1, 2024



[Group Companies]

Kanden Engineering Corp.  
The Kanden Services Co., Inc.

[Jurisdiction Facilities]

Control Centers	3 (excluding manned substations)	Overhead transmission lines* <sup>1</sup>	14,227 km
Load dispatching offices/ Load dispatching control centers	9	Underground transmission lines* <sup>1</sup>	4,602 km
Substations	953 (not including unit substations and switching stations)	Overhead distribution lines* <sup>2</sup>	126,711 km
Switching stations	35	Underground distribution lines* <sup>2</sup>	6,748 km
Converter station	1		

\*<sup>1</sup> Including distribution lines over 20 kV  
\*<sup>2</sup> Excluding distribution lines over 20 kV  
\* Figures as of end of March 2024



## Kansai Transmission and Distribution, Inc.

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<https://www.kansai-td.co.jp/english/>

