TDS
Tokyo Densetsu Service

TEPCO

# CORPORATE SUMMARY

## GLOBAL ENGINEERING FOR SOCIETY


Tokyo Densetsu Service Co., Ltd.

# TDS supports clients with reliable technology and services that create trust and security.

Tokyo Densetsu Service Co., Ltd. (TDS) was established in 1979 as a wholly owned subsidiary of TEPCO* Power Grid Inc., and has served an important role in the stable supply of electricity essential for social and economic activity.
Our management vision—to become a global engineering company for infrastructure facilities that support society—is based on the technology and trust we have cultivated over many years.
With a focus on prioritizing safety and quality, we provide a comprehensive range of services, from consulting to design, construction, inspection and diagnosis, monitoring and control, and even human resource development, for a wide range of facilities that support social infrastructure. This encompasses electrical facilities, civil engineering and concrete structures, steel structures such as bridges and steel towers, and renewable energy facilities to contribute to making Japan a carbon-neutral nation. TDS' objective is to remain the first choice when it comes to facility support. We will accomplish this by taking on new challenges and continuing to provide services that surpass customer expectations, thereby supporting safety and comfort for everyone.

* TEPCO - Tokyo Electric Power Company Holdings, Incorporated

Takashi Oishi
President

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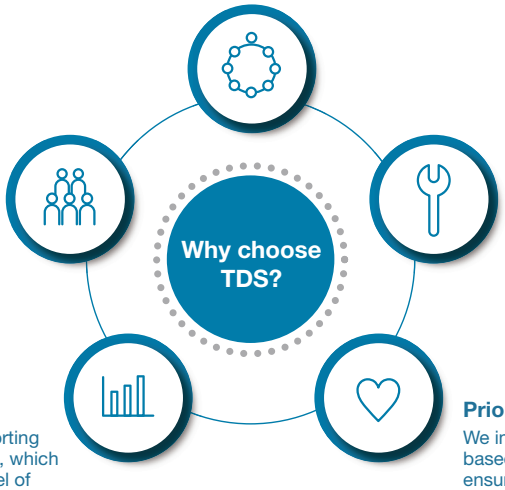
**One-stop solution**
We provide total services that take into account the entire life cycle, including consulting, design, construction, and maintenance.

**Human and financial resources**
Through our own training facilities and development programs, we carefully develop engineers who excel in terms of safety awareness, technology, and on-site responsiveness.



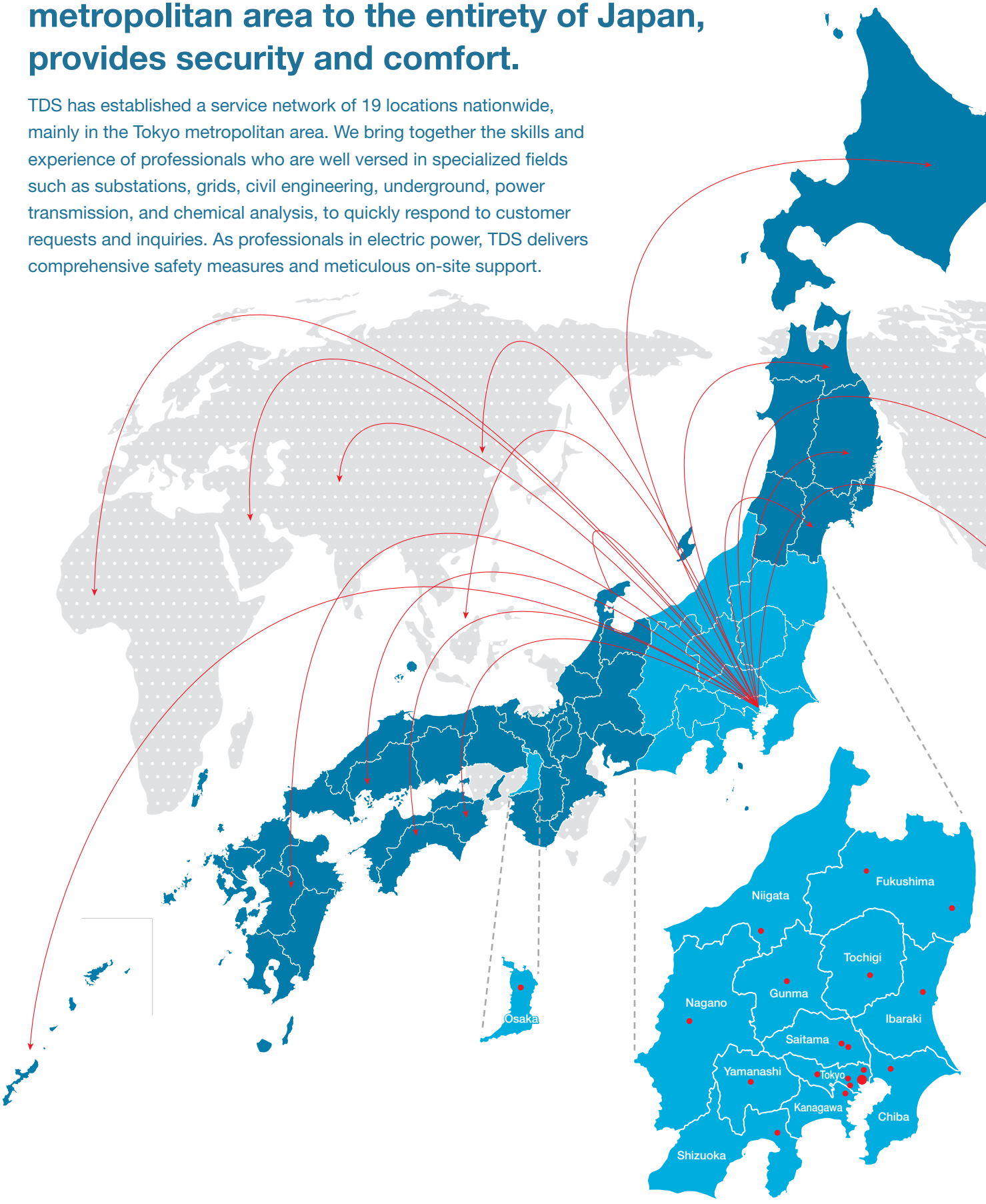

**Technical prowess**
We solve our customers' problems by acquiring manufacturer's licenses and leveraging the comprehensive capabilities of professionals in each infrastructure specialization.

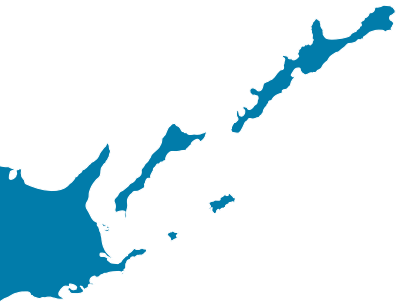
**Extensive experience**
Our vast experience in supporting TEPCO's distribution facilties, which boast the world's highest level of quality, delivers peace of mind to our customers.

**Priority on safety**
We implement risk management based on past experience and ensure safety is given first priority in construction.

# Our network, which extends from the Tokyo metropolitan area to the entirety of Japan, provides security and comfort.

TDS has established a service network of 19 locations nationwide, mainly in the Tokyo metropolitan area. We bring together the skills and experience of professionals who are well versed in specialized fields such as substations, grids, civil engineering, underground, power transmission, and chemical analysis, to quickly respond to customer requests and inquiries. As professionals in electric power, TDS delivers comprehensive safety measures and meticulous on-site support.





## Company Overview

| | |
|---|---|
| Company name: | Tokyo Densetsu Service Co., Ltd. |
| Established: | September 10, 1979 |
| Capital: | ¥50 million |
| Employees: | 942 (as of March 31, 2023) |
| Sales: | ¥26.1 billion (fiscal year 2022) |

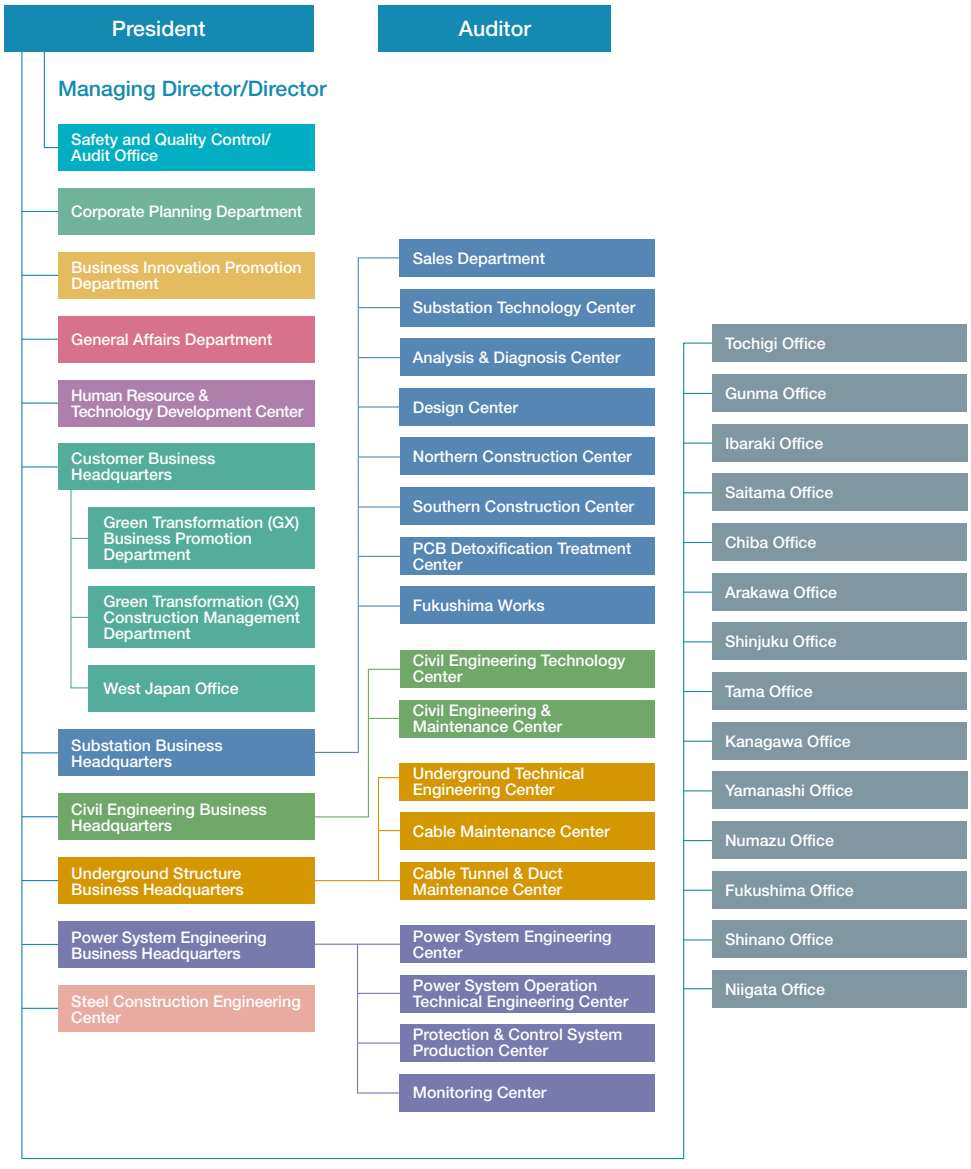
## Directors

| | |
|---|---|
| President | **Takashi Oishi** |
| Managing Director<br>General Manager, Customer Business Headquarters<br>Supervising Chief KAIZEN Officer<br>Head of Information Management | **Makoto Iio** |
| Director<br>General Manager, Substation Business Headquarters<br>Chief Executive for Managing Construction Operations | **Hiroaki Hashimoto** |
| Director<br>Head of Fukushima Reconstruction Promotion<br>Head of Laws and Ethics | **Kazunori Hamada** |
| External Director | **Ikuko Sato** |
| External Director | **Takamitsu Eguchi** |

## Services

- Construction and work for the maintenance of power generation, transmission, and substation equipment
- Analysis, testing, diagnosis, drawings, and maintenance of power generation, transmission, and substation equipment
- Operation and monitoring of electrical equipment
- Manufacture, purchase, and sales of electrical equipment
- Construction business
- Surveying business, construction consultancy business
- Maintenance and management of air-conditioning, disaster prevention, and electrical equipment for buildings, as well as building cleaning and security services
- Building Design and Construction Supervision
- Worker dispatch services
- Planning and implementation of training and public relations related to power equipment technology
- Business related to each of the preceding items

## Organizational Chart



# TDS' service area is constantly expanding, enabling us to work closely with more and more customers to solve their problems.

TDS started with the maintenance of power distribution facilities. Since then, utilizing the advanced technology and abundant know-how cultivated through the maintenance of facilities that boast the world's top level of power quality, we provide one-stop comprehensive services ranging from consulting, design, construction, inspection and diagnosis to monitoring and control in a wide range of areas. This includes electrical facilities that support social infrastructure and daily life. Above all, TDS works closely with customers to deliver optimal solutions.












## Service

### ■ Power equipment maintenance

Inspection, diagnosis, repair, and construction of substation equipment such as circuit breakers, transformers, and protective relays

Inspection, diagnosis, repair, and construction of civil engineering facilities such as dams, waterways, and iron pipes at hydroelectric power plants

Inspection, diagnosis, repair, and construction of underground power transmission facilities including cables, conduits, and underground tunnels

Diagnosis and painting of power transmission equipment such as steel towers

Inspection, diagnosis, repair, and construction of communication facilities including radio towers

Preparation of technical materials for power system grid operation

Support for the development of power system operators through training and drills


## ■ Electrical and cable

Inspection of Special High-Voltage Power Receiving and Transforming Equipment

Renewal, renovation, and new installation of power collection and transforming equipment

Equipment monitoring solutions

PCB detoxification treatment

Comprehensive power system operation service

Comprehensive cable and conduit facility service

## ■ Infrastructure facilities

Steel structure maintenance

Concrete structure maintenance

Wire rope maintenance

## ■ Renewable energy

Renewable energy power plant construction

Renewable energy power plant maintenance

## ■ Products

General Electric (GE)-made intellgent electronic devices (IED), FITCAP, and more

## ■ Training and seminars

Electrical equipment engineer training school, and more

Service page

## History

1979: Established Tokyo Densetsu Service Co., Ltd.

1980: Launched contracted inspection of underground power transmission facilities

1982: Started receiving orders for facility inspections from companies other than TEPCO

1983: Launched contracted support for power system grid operation

1987: Established Oku Technical Training Institute
(currently the Human Resources and Technology Development Center)

1989: Transferred electronic communications maintenance operations to Tokyo Telecommunications Network Co., Inc.

1994: Opened the TDS Technical Skills Training Center
(currently the Human Resources and Technology Development Center)

2001: Split television business into TEPCO Cable Television Inc.

2002: Moved headquarters to Daimon 2-chome, Shiba, Minato Ward

2004: Acquired ISO 9001 certification (quality management system)

2005: Acquired ISO 14001 certification (environmental management system)

2009: Transferred operations related to hydroelectric power generation and transmission to TEPCO

2010: Moved headquarters to Daimon 1-chome, Shiba, Minato Ward

2012: Concluded GE (General Electric Company) IED agency agreement

2013: Moved headquarters to Higashi Ueno, Taito Ward

2017: Registered as a Photovoltaic System Maintenance and Inspection Contractor under the Japan Electrical Safety & Environment Technology Laboratories (JET) certification system

2018: Opened the Human Resources and Technology Development Center
(relocation and expansion of the former TDS Technical Skills Training Center)

Human Resources and Technology Development Center


Protection and Control Manufacturing Plant (GE-made IED)

Registered as a Photovoltaic System Maintenance and Inspection Contractor under the JET certification system

## ISO Certification

In all of our businesses, including design, construction, manufacturing, and sales, we operate a QE (quality and environment) management system based on ISO 9001 and ISO 14001. We are striving to achieve both the industry's highest level of operational quality and a reduction in the environmental impact of our operations.


Acquired certification in December 2004


Acquired certification in December 2005

## Corporate Social Responsibility (CSR)

In the course of our business activities as a global engineering company for infrastructure facilities that support society, we are working to improve our safety management system and reduce our environmental impact, with the aim of realizing a better, more sustainable society.


CSR page

## Awards

2020: Won 65th Shibusawa Award in recognition of years of service to electrical safety

2019: Won 67th Electrical Science and Engineering Promotion Award

2018: Won 63rd Shibusawa Award in recognition of invention and ingenuity, design, and construction

2017: Won 65th Electrical Science and Engineering Promotion Award

…and many other awards.

Awards page

## Licenses and Registrations

### Licenses

- **Construction Business License**

  **Special Construction Business License**

  • Electrical contracting business
  • Civil engineering business
  • Scaffolding and excavation business
  • Painting business
  • Steel structure contracting business

  Licensed by the Minister of Land, Infrastructure, Transport and Tourism (Special-3) No. 11158

  Building Construction Industry

  Licensed by the Minister of Land, Infrastructure, Transport and Tourism (Special-4) No. 11158

- **Worker Dispatching Business License**

  Licensed by the Minister of Health, Labor and Welfare No. 13-30994

- **Antique Dealer**

  Saitama Prefecture Public Safety Commission No. 431350051577

### Registrations

- **Electrical Contracting Business Notifications**

  Minister of Economy, Trade and Industry No. 18003

- **Surveying business**

  Minister of Land, Infrastructure, Transport and Tourism Registration No. (2) - 35346

- **Construction consultancy business**

  Minister of Land, Infrastructure, Transport and Tourism Registration (Ken 04) No. 10525

- **Measurement certification business**

  Tokyo Metropolitan Government Inspection Institute of Weights and Measurements
  Registration: Registration No. 1397
  Project classification: concentration of the substance in water or soil

- **JET Photovoltaic System Maintenanceand Inspection Certification (JET PV O&M Certification)**

  JET PV O&M 17002

### New Technology Information System (NETIS) registration

- **Corrosion prevention method for hanger rope anchorage**

  KK-130002-A April 25, 2013
  (publication period expired October 2019)

- **STTG method**

  KT-140103-A January 21, 2015
  (publication period expired February 2020)

- **Surface impregnation method using lithium nitrite (Procon Guard System S)**

  CG-190024-A February 19, 2020

- **FITCAP**

  KT-220158-A December 8, 2022

## Patents

| | |
|---|---|
| Wire rope anti-corrosion agent press-fitting method and apparatus for wire rope | Patent No. 525516 |
| Hydraulic steel pipe thickness measurement method | Patent No.4663476 |
| Water-tree ion analysis method | Patent No. 4956322 |
| Rebar stress measurement method | Patent No. 5945442 |
| Water sealing agent, water sealing method, and injection apparatus | Patent No. 5300162 |
| Thermoplastic resin coating method and apparatus | Patent No. 5973687 |
| Insulating oil extraction and analysis method | Patent No. 6032778 |
| Oil-impregnated resin film remaining life diagnosis method | Patent No. 6051276 |
| Oil-filled cable copper sulfide formation estimation method using insulating oil analysis and diagnosing the degree of danger | Patent No. 6609134 |
| Structural member stress evaluation method | Patent No. 6703932 |
| Oil-filled cable organic copper compound and copper sulfide formation estimation method using insulating oil analysis, and method for diagnosing the risk of abnormal occurrences in oil-filled cables | Patent No. 6832728 |
| Corrosion prevention method for bolts and bolt caps | Patent No. 6893497 |
| Charging measurement device | Patent No. 6898184 |
| Rope-like object observation device and image editing device | Patent No. 6925876 |
| Switching-device remaining lifetime diagnosis method of insulating tape | Patent No. 6947587 |
| Structure preservation method and structure preservation device | Patent No. 7220253 |
| Electrochemical anti-corrosion structure and electrochemical anti-corrosion method for concrete structures | Patent No. 7270918 |
| Cable repair method and cable repair structure | Patent No. 7281995 |
| Methods and equipment for maintenance management of rope-like structures | Patent No. 7323380 |

## National Qualifications (Japan)

| | |
|---|---|
| Professional Engineer (construction) | 2 |
| Associate Professional Engineer (construction) | 5 |
| Associate Professional Engineer (electrical/electronics) | 2 |
| Energy Manager (electrical and heat) | 8 |
| First-Class Chief Electrical Engineer | 5 |
| Second-Class Chief Electrical Engineer | 27 |
| Third-Class Chief Electrical Engineer | 114 |
| First-Class Electrical Contracting Works Execution Managing Engineer | 114 |
| Second-Class Electrical Contracting Works Execution Managing Engineer | 80 |
| First-Class Electrician | 173 |
| Second-Class Electrician | 326 |
| Noise-Related Pollution Control Manager | 2 |
| Vibration-Related Pollution Control Manager | 3 |
| Certified Environmental Measurer (concentration-related) | 2 |
| Class-1 Boiler Expert | 2 |
| Class-2 Boiler Expert | 35 |
| Class 2 Refrigeration Safety Manager | 2 |
| Class 3 Refrigeration Safety Manager | 29 |
| Crane Operator | 53 |
| Class A Fire Defense Equipment Officer (Class 1 to Class 5) | 16 |
| Class B Fire Defense Equipment Officer (Class 1 to Class 7) | 163 |
| Class A Hazardous Materials Engineer | 4 |
| Class B Hazardous Materials Engineer (Class 1 to Class 6) | 612 |
| Class 1 Inspector of Fire Protection Equipment and Systems | 116 |
| Class 2 Inspector of Fire Protection Equipment and Systems | 123 |
| Operations Chief of Oxygen Deficient/Hydrogen Sulfide Danger | 418 |
| Registered Surveyor | 7 |
| Assistant Surveyor | 35 |
| First-Class Civil Engineering Works Execution Managing Engineer | 71 |
| Second-Class Civil Engineering Works Execution Managing Engineer | 52 |
| First-Class Architect | 2 |
| First-Class Plumbing Works Execution Managing Engineer | 3 |
| Second-Class Plumbing Works Execution Managing Engineer | 2 |
| First-Class Architectural and Construction Works Execution Managing Engineer | 1 |
| Chief Dam Management Engineer | 4 |
| Steel Infrastructure Diagnosis Engineer | 2 |
| Steel Infrastructure Inspection Engineer | 9 |
| Concrete Diagnostician | 4 |
| Category-1 Health Officer | 59 |

*As of March 31, 2023

## Offices and Facilities

### • Headquarters

MPR Higashi-Ueno Building, 6-2-1 Higashi-Ueno, Taito Ward, Tokyo 110-0015
TEL: +81-3-6371-3000

### • Training Facilities

**Human Resources and Technology Development Center**
2-536 Suzuya, Chuo Ward, Saitama City, Saitama 338-0013

**Human Resources and Technology Development Center (Tamagawa)**
2-8-1 Tamagawa, Ota Ward, Tokyo 146-0095

### • Offices

**Tamagawa Center**
2-8-1 Tamagawa, Ota Ward, Tokyo 146-0095

**Tochigi Office**
281-2 Ichinosawamachi, Utsunomiya City, Tochigi 320-0049

**Gunma Office**
325-1 Ishihara, Shibukawa City, Gunma 377-0007

**Ibaraki Office**
1-22-5 Shinhara, Mito City, Ibaraki 310-0045

**Saitama Office**
5-19-20 Shimoochiai, Chuo Ward, Saitama 338-0002

**Chiba Office**
1-17-11 Kita-honcho, Funabashi City, Chiba 273-0864

**Arakawa Office**
1-38-16 Machiya, Arakawa Ward, Tokyo 116-0001

**Shinjuku Office**
3-6-12 Takadanobaba, Shinjuku Ward, Tokyo169-0075

**Tama Office**
4-9 Takakuramachi, Hachioji City, Tokyo 192-0033

**Kanagawa Office**
463-1 Totsukacho, Totsuka Ward, Yokohama City, Kanagawa 244-0003

**Yamanashi Office**
4-24-2 Ise, Kofu City, Yamanashi 400-0856

**Numazu Office**
1015-4 Nakatogari, Nagaizumi Town, Sunto District, Shizuoka 411-0942

**Fukushima Office**
Gospel Building 1F, 1-70 Hinokimachi, Aizuwakamatsu City, Fukushima 965-0008

**Shinano Office**
1-1-20 Ote, Matsumoto City, Nagano 390-0874

**Niigata Office**
180-1 Shimofunato, Tsunan Town, Naka-Uonuma District, Niigata 949-8201

**Transmission Technology Solutions Construction Department.**
**– Fukushima Works**
Maison MAST Iwaki 1F, 1-1 Nittamae, Taira, Iwaki City, Fukushima 970-8026

**West Japan Office**
Shin-Osaka Rose Building 403, 5-12-8 Nishi-Nakajima, Yodogawa Ward, Osaka City, Osaka 532-0011

■ Please feel free to contact us for further information.


## Tokyo Densetsu Service Co., Ltd.

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https://www.tdsnet.co.jp/


全社一括認証登録
ISO9001 ISO14001
JUSE-RA-1092
JUSE-EG-254
MS
CM008

Grid Solutions
Value Added Reseller

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