

### **CORPORATE PROFILE**

### Creating the future with water and air.

The source of power is in the stream of water, wind, and people.



### TERALINC.

# Operating streams

# Stream solutions supporting comfortable life and efficient production activities.

Everyday, people are unaware of the contact they make with water and air, which are indispensable to every life on earth. By controlling water and air in business and in our home life, human production has accelerated and safer and more comfort has been created.

Since our foundation in 1918, we, TERAL, have developed pumps, fans, and other diverse products that operate streams of water and air. These products play an active role in our daily life and in all areas of human production activity. Also, what TERAL pursues is not limited to the comfort of life and efficiency of industry. With the increasing concern for the global environment, we have embarked on the development of clean systems to clean up the environment by utilizing our water and air control technologies developed over many years, while creating products with less environmental load.

Today, we are expanding a new group brand "TERAL" in which our domestic and overseas affiliates are united.

We are undergoing a rebirth as a solution provider that provides products and systems that optimize individual customer needs through the total capability of each group company's area of expertise. We look to continue to meet your expectations of the TERAL group "creating the future with water and air."



### **TERAL** total solution

TERAL broadens its reach of pumps and fans in the building market including apartments, condominiums and office buildings and in the industrial market including manufacturing and agriculture, and at the same time, provides complete support service.

We also provide solutions based on pumps and fans not only by simply supplying products but also by responding to needs related to customization, unitization, and systemization.

#### TERAL's concept of product development "Triple e"

"Top runner standards" aiming at energy savings of all motors initiated from April 2015. Under the concept of "Triple e", TERAL is promoting the development of high- efficiency products.



High **e**fficiency products realize saving **e**nergy and preserving the Earth **e**nvironment

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# TERAL's advantages that strengthen customer trust

### [ Customization ]

## Flexibly responding to needs for customization

We have constructed an integrated responsible system from design and development to production, sales, and support of products. We realize speedy product development in which customer needs are reflected. Also, if it is difficult to apply existing products in size, shape, specification, etc., we flexibly respond to customization to deliver optimum products to customers.

### [ History ]

# Credibility and results backed up by 100 years or more of history.

TERAL was founded in 1918. Since then, we have developed a wide variety of products for household use through large-scale plants as a manufacturer specializing in pumps and fans. We have also always pursued product development and extensive service from the customer's perspective, which are highly valued by our many customers. Our results demonstrated by 100 years or more of history represent our credibility and safety.

### [ Diversification ]

# Enhanced product lineup offering discrete products through to unit products.

As a result of meeting various customer needs, we provide a wide selection from small equipment to large equipment. Also, our product lineup offers not only single products but also a large number of unit products with space savings and maintainability enhanced by combining various members and components. In particular, our water supply, filtration, and fire pump unit products are highly valued.

### [ Optimization of delivery time ]

# Realizing optimization of delivery times by implementing through controls.

In order to meet customer-requested deadlines, we have uniquely developed and introduced an on-site "load management system" that integrates the management of processes from receipt of orders to shipment of products, in which we practice thorough quality and delivery controls. As a result, we always pursue CS improvements, such as realization of prompt and reliable product supply, even when receiving an order for one product.

### [ Research and development ]

# Promoting research and development with an eye toward the next generation.

We explore and develop leading-edge technology in cooperation with research institutions and universities. The engineering department performs research and development for highly-efficient and eco-friendly design, high efficiency design based on flow analysis, worry-free design based on structural analysis, etc., and also proactively addresses the development of products anticipating the needs of the next generation.



### [ Quality ]

# Securing a thoroughgoing quality control system by performing 100% inspections.

With the introduction of leading-edge testing equipment, the quality assurance department performs 100% inspections thoroughly from delivered component inspections, point-by-point inspections in each line of machining and assembly, through operation inspections before shipment. Since our foundation, we have persistently taken an uncompromising stance on quality to deliver reliability and safety to customers.

### [ Support ]

# Support system to quickly respond to unexpected trouble.

We support stable operation of equipment by securing a 24-hour emergency service system to quickly respond to unexpected trouble as well as daily maintenance and inspection. We also provide prompt service in improvement and proposal of equipment, comprehensive consultation, etc., via a service network that links 50 bases across the nation in cooperation with each group company.

### [ Globalization ]

# Expanding global business focusing on the Pacific Rim.

We have set up production bases in China and Thailand and also sales bases in Canada. We have constructed a business network not only in Asia but also in the North American region. This network realizes speedy and reliable product supply and service to local customers just as with our domestic network.

# Solution

Providing the best solutions through engineering and proposals.

### Solving customer problems

In the fields of the manufacturing and housing, we hear such voices as "wanting to improve the working environment," "wanting to promote energy savings and resource savings," "wanting to use water resources effectively," and "wanting to make living environments clean and comfortable." TERAL's proposals are actively developed and fine-tuned through full-use of its engineering know-how. We provide solutions that optimize to individual customer needs.

## Supporting lifelines with trustworthy technologies.



Pumps convey water and fans convey wind. TERAL has expanded their uses by increasing value, such as increased efficiency, reduced size, unitized body, and multifunctionality, to simplify products. As a result, TERAL brands play an active role in every facet of life. All places where water and air exist are TERAL's fields.



# Result Proven trustworthiness of TERAL brands from long years experience

The power of TERAL brands includes a wide variety of pumps, fans, and unit products, and outstanding service and proposals.

Having earned recognition and support supported by many customers since its foundation, TERAL products have been adopted by major facilities and leading companies both overseas and domestically.





K∕nt

circulation systems.



### Large-scale plants and industrial facilities

TERAL products are also active in various industrial fields, such as agriculture, fishery and livestock, and logistics, as well as large-scale plants such as factories and power plants. We offer contributions to improving productivity, making working environments comfortable, and moreover reducing costs.





### Skyscrapers and intelligent buildings

TERAL products also play an active role in skyscrapers requiring high lift elevators and intelligent buildings where a high level of comfort is required in working and living environments. Our support covers operational supervision and emergency response 24 hours a day, every day.

### Single-family homes and condominiums

The fields in which TERAL products are used are not limited to large-scale facilities. We deliver products for residential use represented by small pumps, disposers, and air-conditioning fans to homebuilders, developers, etc. We also contribute to making living environments comfortable.

of many Japanese companies.



### TERAL's Fields [ Living ]

# Creating amenities for life

Including air-conditioning and water supply & drainage equipment indispensable to making living environments comfortable, firefighting and smoke exhaust equipment to secure safety of life, kitchen garbage disposal and water filtration systems to create clean environments, TERAL technologies and products an active role in condominiums, office buildings, sports and commercial facilities, and contribute to making safe and comfortable towns.



Total heat exchangers

Induced draft fans

Rainwater filtration systems

Pool water filtration systems

Kitchen exhaust fans

Kitchen abatement systems

Kitchen garbage disposal systems

Air supply and exhaust fans



# TERAL's Fields [Industry] Promoting increase in efficiency of production activities.



In every field of production, there are demands for increased efficiency, energy savings, improved hygiene and sanitation, etc. TERAL develops diverse pumps and fans that meet high efficiency, energy saving, and low noise demands, and also high-value-added unit products. Staying active in factories and large-scale plants, agricultural and livestock industries, our pumps and fans contribute to increased efficiency in production and also improved environments at production sites and their surroundings.



# Main products

### Extensive product lineup fitting diverse applications



etc.



## Solutions

### Supporting customers by proposals based on our unique technical capabilities and know-how.



(without an air blower for descending air current)

# 2. Effective use of water resources

with the floor line, and 4) ability to carry in members by

Realization of clean and safe water quality management by developing a circulating filtration system for pool and bathing facilities. (Case example of development of a circulating filtration system for pool and bathing facilities)

#### (Customer problem and request)

It was requested to increase operational efficiency by systematic implementation of appropriate water temperature control, water level control, and hygienic control as well as circulating filtration of pool, hot spring, and bathing facilities in series, and to reduce costs by effective use of water resources. (TERAL's solution (Case example of system development)) We have developed a "circulating filtration system" integrating heat exchange, drug injection, water level gauge, and other functions in addition to circulating filtration. We have also provided total support from design and construction through maintenance after introduction.

### Promotion of recycling of daily living sewage and kitchen drainage as gray water. (Case example of development of a gray water generation system)

#### (Customer problem and request specification)

It was requested to recycle sewage and drainage generated in large complex facilities, etc., by filtration to gray water: toilet flushing water and general service water. inage as gray water. (TERAL's solution (Case example of system development)) We have developed a "gray water generation system" combining microbial treatment, sand filtration, etc. We have promoted the use of gray water by stable water

treatment and contributed to reducing water charges.

#### Promotion of effective use of water resources by purifying well water and rainwater into industrial water and drinking water. (Case example of development of a well water and rainwater filtration system)

#### (Customer problem and request specification)

Due to the increase in water charges in facilities consuming enormous amounts of water like a factory, it was requested to reduce costs and also enhance corporate image with effective use of well water and rainwater. (TERAL's solution (Case example of system development)) We have developed a "well water and rainwater filtration system" combining multiple filtration devices. We have proposed an optimum system according to the quality of raw water and the purpose of use. TERAL not only simply develops, produces, and sells products, but also expands its reach to proposal activities to solve customer problems as sales, design & development, production, engineering, and support divisions work as one. We provide the best solution in accordance with each customer's needs, such as improvement in working environments at production sites and energy savings.

### 3. Promotion of energy savings and resource savings

### Realization of extending the life of coolant by independently developing coolant filtration equipment.

(Case example of development of a new product for a manufacturer (processes of grinding, coating, etc.))

#### (Customer problem and request)

It was needed to frequently replace filters and coolant because of the large amount of mixing of impurities, such as sludge and oil, into coolant in the processes of grinding, coating, etc. The availability factor of machine tools was low, which was inefficient.

#### (TERAL's solution (improvement proposal))

In order to meet diverse customer needs, we have developed two types of coolant filtration equipment: drum filter type and cyclone type by using our own coolant pump know-how, three-dimensional flow analysis, etc.



Contribution to reducing running costs and CO<sub>2</sub> emissions by proposing multifaceted energy-saving measures related to air blowers. (Case example of energy-saving proposal with air blowers)

#### (Customer problem and request)

The operating time of air blowers having been introduced in factories, large facilities, apartment and condominium housing, etc., was long, performance tended to deteriorate and running costs increased over time.



 $\langle {\sf TERAL's \ solution \ (improvement \ proposal)} \rangle$ 

Energy savings by high-efficiency air blowers

- Energy savings by inverter controlOptimum energy savings proposal for
  - existing facilities

Existing water supply pumps

 $(5.5 kW \times 2)$ 

#### Realization of stabilization and increase in efficiency of pump operation by unit number control of water supply pumps in apartment and condominium housing.

(Case example of renewal of water supply pumps in apartment and condominium housing)

#### (Customer problem and request)

While a large system of two tap water supply pumps (5.5kW) was in operation for apartment and condominium housing (apartment complex), water pressure decreased during the time when the tap usage rate increased. Also, electric power costs increased due to constant operation. It was requested to control operation according to the tap usage rate.

#### (TERAL's solution (improvement proposal))

We have proposed unit number control of three estimated terminal pressure constant water supply units "NX-65VFC (3.7kW)" and 24-hour emergency response from the perspective of maintenance.

### 4. Improvement in living environments

Contribution to making living environments comfortable by developing a kitchen garbage disposal system based on disposers.

(Case example of development of a kitchen garbage disposal system using disposers)

#### (Customer problem and request)

It was requested to create clean living environments with consideration given to the life of residents and their surrounding environments by reducing kitchen garbage accounting for about 40% of household waste in large apartment and condominium housing.

#### (TERAL's solution (Case example of system development))

We have developed a "kitchen garbage disposal system using disposers," in which a disposer installed under the sink in each household crushes kitchen garbage and the drainage purified in a treatment tank is discharged into a sewer.



## Production system

### Production system established in pursuit of quality, delivery time, and efficiency.

TERAL entered the NPS (New Production System) Research Society in January 1999, and we have established our own production system by improving conventional production methods under guidance from the Society. It is not only to simply improve production lines but also to unify the management of information through an organic cooperative effort of order-receiving, quality control, shipment, and other operations divisions. This eliminates all waste in each process, and realizes high quality, quick delivery, and cost reductions.

### Order fulfillment

TERAL's production system is controlled as a "refined stream" starting with order-receiving operations. At the site of order fulfillment, desk layout and personnel distribution are planned and implemented, and personnel are assigned to production sites and schedules are managed according to customer needs with the introduction of our uniquely developed production site "load management system."

#### Design to order by CAD

We offer customization by individual design with the use of CAD in the case where there is a need for design change due to order conditions.



#### Load management system

We realize optimization of personnel assignment according to delivery time by visualizing the load status of production sites and intuitively understanding the information.



#### to the next. By flowing processed information to the next desk, wasted staff motion and mistakes in information communication are eliminated.

Desks are laid out in a row from one manufacturing item

After completion of order fulfillment, "work instructions" are prepared and passed to production sites.

In-line order-receiving work



### O Machining process

Uniformity of quality and shortening of machining times are realized by standardization of parts and machining methods and also precision work in units of 1/100 to 1/1000 millimeters by means of dedicated machining facilities. Also, 100% inspections are performed visually and by using inspection devices to ensure quality.

#### Laser beam machine



#### Spinning machine

Self-developed and manufactured dedicated machining equipment and facilities serve an important role.



Welding

Members requiring accuracy are hand-welded. For large-sized members automatic welding machines and manual work (fine adjustment) combined to are improve work efficiency



### Ocoating process

For the majority part of TERAL products, eco-friendly and high-film-performance powder paints are adopted. A series of processes from pretreatment of objects to be coated, coating, baking & drying, through cooling is automated.

#### Powder coating line



#### Balance inspection

For the parts of rotating bodies, such as fans, balance inspection is performed after completion of coating, and if any defect is found, fine adjustment is made on the spot.





### Assembly line

In order to meet individual needs, assembly work is carried out in flexible human lines. Not only a single product but also small batches of a variety of products can be produced. We are striving to achieve high-quality, high accuracy and high efficiency on a daily basis by pursuing optimal production for the entire plant.



### **O** Pre-Shipment inspection

In addition to quality inspection in every process, full inspection such as operation are implemented prior to shipment. We will further improve the reliability of our products through the introduction of factory IT, and improve quality through the use of accumulated data.

### **O** Shipment

In order to strictly observe the customer-requested delivery time, thoroughly planned location areas and shipment freight.



#### Cargo arranging place management

Smooth loading and on-time departure are realized by managing cargo arrangement by shipment location area.



#### Cargo arranging place

At the loading yard, smooth loading is realized by cargo arrangement by truck and shipment address.



# Quality control system

# Strictly checking production processes and products taking an uncompromising stance on quality.

Since our foundation, TERAL has continuously maintained an uncompromising stance on quality as a policy. It is our attitude of not only simply ensuring the performance and operation of products but also meeting all customer needs, such as delivery time, service, and reduction in environmental loads.

The quality assurance department closely cooperates with production and other divisions, and at the same time, promotes quality improvements by requesting each division make improvements upon receiving feedback from customers. Also, in conjunction with 100% inspections at production sites, performance tests of products, etc., are also carried out at the request of customers. Therefore, various inspection devices have been introduced in-house.

#### [ Contained substance inspection ]

Incoming parts and materials are strictly checked by using fluorescent X-ray inspection equipment for the six hazardous substances\* specified in the RoHS Directive exceeding the specified values.

\*Six specified substances: Lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyl (PBB), polybrominated diphenyl ether (PBDE)



### [ Pump test ]

Pump performance is tested by actually pumping water up from the underground pool installed in-house. Since various data obtained are displayed on mobile devices, real-time data can be quickly understood while the product being tested is in operation.

#### [ Air blower test ]

The performance of all products from small to large fans can be tested. Quantities of air, static pressure, etc., are automatically measured on a computer. By measuring not only the performance but also noise and vibration etc., we provide products that meet customer-requested strict environmental conditions.







### **TERAL's quality policy**

Devoting all our energies to manufacturing products in response to customer-expected quality

- 1. We will always enhance developmental capabilities and realize advanced customer needs.
- 1. We will always supply products of stable quality and earn customer trust and customer satisfaction.
- 1. We will always keep in mind spiraling-up of quality and never fail to strive for this on a daily basis.

## Research and development system

# Proactively conducting research and development activities to create next-generation TERAL products.

Needs involving pumps and fans are becoming increasingly sophisticated and diversified more including efficiency, lower noise, energy savings, ruggedization, weight reduction, and compactness. In order to respond to such trends of the times, TERAL has proactively conducted research and development activities in cooperation with various research institutions and universities. The research and development division of the engineering department promotes product development for the next generation by performing structural analysis and flow analysis with the use of leading-edge measuring equipment, etc.

#### [ Research and development building of the engineering department ]

TERAL's research and development base is engaged in basic research for next-generation products, structural design, fluid design, making and verification of trial models, etc.



### [ Flow analysis ]

Flows of water and air of virtually designed products are analyzed to carry out ideal fluid design low in noise and vibration. High efficiency is incorporated into products.



### [ Structural analysis ]

Stress, deformation, and other factors exerted on members are simulated by using leading-edge analysis software to carry out secure and optimum structural design.



### [ Three-dimensional printer ]

Design drawings of theoretically optimized parts are mocked up to the printer. These are assembled to make trial models.



#### [ Three-dimensional measuring equipment (floor-standing type)]

The measuring equipment is of a contact type that actually measures the sizes of intricately-shaped parts and products with high accuracy.



### [ Three-dimensional measuring equipment (arm type)]

Compact measuring equipment having a multijoint arm can measure the sizes of intricately-shaped parts in greater detail in a noncontact manner.



#### [ Actual load measurement tests of motors ]

Performance, durability, noise, heat generation, etc., are verified on the assumption of operational environments of prototyped motors.



### [ Anechoic chamber ]

Product precision noise levels are measured in an anechoic chamber.



# Support service

### Supporting customers by providing continual and multilateral service

In order to support our safe and comfortable life every day and to support safe and efficient production activities, various water supply & drainage systems and air-conditioning systems are continuously operated all around us 24 hours a day. To support their stable operation, TERAL offers multifaceted support services not only for our own products but also for multi-vendor products. We provide optimum service in every scene during the lifecycle of each product with the use of agile footwork, superior technological capabilities, and many years of accumulated advanced know-how in the field of pumps and fans.

Support service cycle provided by TERAL



Renovation & construction service

Equipment diagnosis

All market and

Improvement proposal and coordination service (proposal)

Maintenance & inspection

#### Power of stream

The source of power is in the stream of water, wind, and people.

### **Equipment diagnosis**

With the passage of time, all facilities or equipment may create a phenomenon where performance deteriorates or power consumption rises even when in operation. TERAL offers diagnostic services for facilities and equipment.

### Improvement proposal and coordination service

Based on the results of equipment diagnosis, if a problem is detected, we propose optimum improvement measures from the customer's standpoint. Also, in the case of requiring renovation work, we support each customer's smooth business continuity by preparing replacements until equipment renovation and coordinating schedule management, etc.



### Maintenance

If it is judged that with a problem can be solved by cleaning the inside of equipment, replacing parts, making repairs, etc., we perform appropriate maintenance according to circumstances. We support economical, stable operation of customer devices and systems with a prompt response.





### **Renovation & construction service**

We also offer extensive renovation and construction, including renewal of aging water pipes, upgrade of direct-coupled booster water supply systems, renovation of exhaust air ducts, and replacement of large fans according to the results of diagnosis and at each customer's request. We provide prompt and reliable services through full use of leading-edge technologies and advanced know-how.



### Maintenance & inspection

Even after completion of repair or renovation & construction of equipment and devices, TERAL performs continuous maintenance inspection. In particular, periodic maintenance inspection is required for lifelines of offices, apartments and condominiums, etc., and facilities and systems related to important infrastructures of factories, etc.

#### Package of remote monitoring and 24-hour emergency response

#### TECS (TERAL emergency response system)

TERAL has established an emergency service system to respond to receiving notification 24 hours a day, every day with the introduction of an unattended remote monitoring system that automatically alerts the monitoring center of any abnormality in equipment, when sensed. In the event of any unexpected trouble, we deliver safety and security to customers with a prompt response.

\*A service agreement with TERAL Technoservice Inc. is required.





#### Group companies in Japan



#### Maintenance & engineering

The company is an engineering group that is engaged in 24-hour response support services, maintenance, execution of work, up to system design of plants.

### TERAL TECHNO SERVICE INC. TERAL TAKU Inc.



Production of small pumps and equipment-installed pumps

The company produces the household pumps "KEGON series" and "N series" and other small pumps such as coolant pumps and equipment-installed pumps from motors to control equipment.

### TERAL KURITA INC.



### Production of fans for industrial use, facilities, and agricultural use

The company produces pressure ventilation fans, axial fans, and rooftop ventilation fans, and also made-to-order products for specific uses. By applying these technologies, the company also produces fans for cooling, dehumidification, and drying systems.

### TANIYAMA CO., LTD.



Production of fans for industrial use, construction works, and air-conditioning

The company produces centrifugal and axial air blowers and various fans that meet diverse needs. The company offers a wide range of uses, such as government facilities, power-generating and various manufacturing industries, and tunnel construction.



#### Group companies

#### Teral Asia Limited



Strategic base in Hong Kong for the world market

The company is engaged in marketing, sales strategies, etc., in the world market, serving as the nerve center of global business in the TERAL group. (Established in March 2011)





Manufacturing and sales base in Southeast Asia

As its head office is placed in Thailand (Ayutthaya), this locally-incorporated company is engaged in manufacturing and sales of water treatment and air-conditioning equipment mainly for Southeast Asia. (Established in November 1991)

#### Teral General Machine (Shanghai) Co., Ltd.



Manufacturing and sales of stainless steel pumps

The company is engaged in sales of TERAL products as well as design and manufacturing of stainless steel pumps, water supply devices, and air blowers for the Chinese and Japanese markets. (Established in November 2002)

#### Anhui Taiwei Electric Co., Ltd. (T&W)



Manufacturing and sales of high-quality motors

The company is a joint venture with a Chinese manufacturer engaged in manufacturing of motors from 0.2kW to 90kW by combining Chinese productivity and Japanese quality control. (Established in June 2009)

# Company overview

| Company name                                    | TERAL INC.  | Executives                     | President  | Hirofumi Sugata                                      |
|---|---|--------------------------------|--|--|
| Head office                                     | 230 Moriwake, Miyuki-cho, Fukuyama City,<br>Hiroshima 720-0003, Japan   |                                | Executive Vice-president and COO<br>Senior Managing Director<br>Senior Managing Director   | Takayuki Sugata<br>Teizo Fujii<br>Tadamichi Murakami |
| Founded   | August 1918   |                                | Director of Technical Headquarters   | Masaaki Sekimoto                                     |
| Established                                     | April 14, 1950  |                                | Director   | Kazue Sugata<br>Voshiko Takemoto                     |
| Representative                                  | Hirofumi Sugata   |                                | Auditor  | Hiroyuki Akasu<br>Koichi Aki                         |
| Capital   | 78 Million JPY  |                                | Auditor  | Yoichi Miyazawa                                      |
| Products and<br>Services                        | Sales and production of pumps, air blowers,<br>water supply devices, filtration devices,<br>kitchen garbage disposal systems,<br>total heat exchangers,<br>disaster-prevention equipment,<br>environment-related equipment,<br>and other related equipment,<br>and construction of environmental facilities | Group<br>companies<br>in Japan | Executive OfficerSatoshi WakabayasExecutive OfficerHaruo KobayashiExecutive OfficerTakeshi OgawaExecutive OfficerYasuhiko OshimaTERAL HOLDINGS INC.TERAL TECHNO SERVICE INC.TERAL TECHNO SERVICE INC.TERAL TAKU Inc. |  |
| Factories                                       | Fukuyama Main Factory   |                                | TERAL KURITA INC.<br>TANIYAMA CO., LTD.  |  |
|   | Taku Factory (TERAL TAKU Inc.)<br>Kitamoto Factory (TERAL KURITA INC.)<br>Amagasaki Factory (TANIYAMA CO.,LTD.)   | Overseas<br>group<br>companies | Teral Asia Limited<br>Teral Engineering Center (Shanghai)<br>TERAL THALCOLLTD  | Co., Ltd.  |
| Branch offices                                  | Tokyo Office, 9 Branches, 50 Sales Offices  |                                | TERAL TRADING & SERVICE CO., LTI<br>Teral General Machine (Shanghai) C   | D.<br>   |
| Employees                                       | 978(group's total: Appx 2,100)  |                                | Anhui Taiwei Electric Co., Ltd. (T&W<br>Teral Pumps & Fans North America   | ')<br>Ltd.   |
| Banks   | The Hiroshima Bank, Ltd.,<br>Mizuho Bank, Ltd.,<br>The Chugoku Bank, Ltd.,<br>MUFG Bank, Ltd.<br>Sumitomo Mitsui Banking Corporation,<br>Sumitomo Mitsui Trust Bank, Limited.   |                                | Teral Middle East F.Z.C.<br>TERAL VIETNAM LIMITED LIABILITY<br>PT. Teral Indonesia Pumps and Fans<br>Teral Philippines Inc.<br>TERAL Pumps India Pvt. Ltd.   | COMPANY  |
| Sales   | 41,900 Million JPY (2024 fiscal year)   | Contractor<br>licenses         | The Minister of Land, Infrastructure,<br>Transport and Tourism Licenses  | things, and  |
| Consolidated sales                              | 59,200 Million JPY (2024 fiscal year)   |                                | Equipment Contractor:<br>Genral-4 No. 10446<br>General Civil Engineering Contractor<br>Special-4 No. 10446<br>Plumbing Construction Contractor:  | аннысту бито.<br>Г.                                  |
| (domestic and<br>overseas with<br>capital ties) |   |                                | Genral-4 No. 10446<br>Electrical Construction Contractor:<br>Genral-4 No. 10446<br>Water Well Drilling Construction Cc<br>Genral-4 No. 10446   | intractor:   |
|   |   |                                |  |  |

# TERAL

"TERAL" is a coined word from "terra (Latin)," meaning the Earth, and "rally (English)" meaning revival. In other words, TERAL's mission is "to revive

the Earth with air and water."

### TERAL group's after-sales service network

| TERAL INC.          | Head Office  | 230 Moriwake, Miyuki-cho, Fukuyama City, Hiroshima   | ₹720-0003              | TEL.084-955-1111                     | FAX.084-955-5777                     |
|---------------------|--|--|------------------------|--------------------------------------|--------------------------------------|
|                     | Tohoku Branch Office   |  |                        |                                      |                                      |
|                     | Sendai Sales Office  | 39-25 Icho-machi, Miyagino-ku, Sendai City, Miyagi   | 〒983-0047              | TEL.022-232-0115                     | FAX.022-238-9248                     |
|                     | Sapporo Sales Office   | 23-1-3 Kita-juichijo-nishi, Chuo-ku, Sapporo City, Hokkaido  | 〒060-0011              | TEL.011-644-2501                     | FAX.011-631-8998                     |
|                     | Korivama Sales Office  | 2-12-27 Isushidaminami, Monoka City, Iwate<br>1-13-9 Shima, Koriyama City, Fukushima   | T963-8034              | TFL.024-922-5122                     | FAX.019-001-8819<br>FAX.024-922-4226 |
|                     | Kitakanto Branch Office  |  | . 555 5054             |                                      |                                      |
|                     | Omiya Sales Office   | 2-1018-2 Owada-cho, Minuma-ku, Saitama City, Saitama   | ₹337-0053              | TEL.048-681-7822                     | FAX.048-681-7082                     |
|                     | Niigata Sales Office   | 3-13-7, Kamitokorokami, Chuo-ku, Niigata City, Niigata   | T950-0992              | TEL.025-287-5032                     | FAX.025-287-3719                     |
|                     | Mito Sales Office  | 4-2-16 Shiraume, Mito City, Nigala   | T940-2021              | TEL.0258-29-1725<br>TEL.029-224-8904 | FAX.0258-29-2369<br>FAX.029-231-4044 |
|                     | Utsunomiya Sales Office  | 3333-18 Tsuruta-machi, Utsunomiya City, Tochigi  | 〒320-0851              | TEL.028-346-3400                     | FAX.028-346-9432                     |
|                     | Maebashi Sales Office  | 84-3 Motosoja-machi, Maebashi City, Gunma  | 〒371-0846              | TEL.027-253-0262                     | FAX.027-253-0278                     |
|                     | Nagano Sales Office  | 401-1-3, Oaza Minamihori, Nagano City, Nagano  | т381-0016              | TEL.026-243-2860                     | FAX.026-243-2861                     |
|                     | Tokyo Sales Office No.1  | Teral Koraku Building, 2-3-27 Koraku, Bunkyo-ku, Tokyo   | 〒112-0004              | TEL.03-3818-7769                     | FAX.03-3818-6763                     |
|                     | Tokyo Sales Office No.2  | Teral Koraku Building, 2-3-27 Koraku, Bunkyo-ku, Tokyo   | 〒112-0004              | TEL.03-3818-6752                     | FAX.03-3818-6763                     |
|                     | Tokyo Sales Office No.3  | Teral Koraku Building, 2-3-27 Koraku, Bunkyo-ku, Tokyo   | ₹112-0004              | TEL.03-5684-0238                     | FAX.03-5684-0218                     |
|                     | Tachikawa Sales Office   | Asahi Life Insurance Tachikawa Nishikicho Building 1F. 3-2-30. Nishikicho. Tachikawa-city. Tokyo   | T112-0004              | TEL.03-3818-6846                     | FAX.03-3818-6/63<br>FAX.042-538-7080 |
|                     | Chiba Sales Office   | 4-13-8, Suehiro, Chuo-ku, Chiba City, Chiba  | ₹260-0843              | TEL.043-264-5252                     | FAX.043-226-7353                     |
|                     | Yokohama Sales Office  | GRC Yokohama bay research park 10F, 1-1-25 Shinurashima-cho, Kanagawa-ku, Yokohama City, Kanagawa  | 7221-0031              | TEL.045-450-5351                     | FAX.045-450-5352                     |
|                     | Tokyo Office   | Taral Karaku Building 2.2.07 Karaku Buakua ku Takua  | ₹112,0004              | TEL-02 2010 7700                     | EAV 02 2010 6700                     |
|                     | Overseas Business Plannning Section  | Teral Koraku Building, 2-3-27 Koraku, Buikyo-ku, Tokyo   | T112-0004              | TEL:03-3818-7700                     | FAX.03-3818-6790                     |
|                     | Industrial Systems Sales Section No.1 Tokyo-office   | Teral Koraku Building, 2-3-27 Koraku, Bunkyo-ku, Tokyo   | 〒112-0004              | TEL.03-3818-8101                     | FAX.03-3818-6798                     |
|                     | Industrial Systems Sales Section No.2 Tokyo-office   | Teral Koraku Building, 2-3-27 Koraku, Bunkyo-ku, Tokyo   | 〒112-0004              | TEL.03-5805-1311                     | FAX.03-3818-6798                     |
|                     | Environmental Systems Sales Section No. 1 Tokyo-office<br>Environmental Systems Sales Section No. 2 Tokyo-office | Teral Koraku Building, 2-3-27 Koraku, Bunkyo-ku, Tokyo   | T112-0004<br>₹112-0004 | TEL.03-3818-7800                     | FAX.03-3818-5031                     |
|                     | Environmental Systems Sales Section No.3 Tokyo-office  | Teral Koraku Bulding, 2-3-27 Koraku, Bunkyo ku, Tokyo  | T112-0004              | TEL.03-3818-7800                     | FAX.03-3818-5031                     |
|                     | Environmental Market Development Section   | Teral Koraku Building, 2-3-27 Koraku, Bunkyo-ku, Tokyo   | 〒112-0004              | TEL.03-3818-6846                     | FAX.03-3818-5031                     |
|                     | Construction Control Section No.1/No.2 Tokyo-office  | Teral Koraku Building, 2-3-27 Koraku, Bunkyo-ku, Tokyo   | T112-0004              | TEL.03-3818-7764                     | FAX.03-3818-6437                     |
|                     | Ean Solution Engineering Section   | Teral Koraku Building, 2-3-27 Koraku, BUNKYO-KU, TOKYO<br>Teral Koraku Building, 2-3-27 Koraku, Bunkyo-ku, Tokyo   | T112-0004              | TEL.03-3818-/133                     | FAX.03-3818-5031                     |
|                     | Water Supply Engineering Section   | Teral Koraku Building, 2-3-27 Koraku, Bunkyo-ku, Tokyo   | 〒112-0004              | TEL.03-3818-7133                     | FAX.03-3818-5031                     |
|                     | Environmental Conservation Engineering Section   | Teral Koraku Building, 2-3-27 Koraku, Bunkyo-ku, Tokyo   | 〒112-0004              | TEL.03-3818-7133                     | FAX.03-3818-5031                     |
|                     | Sales Engineering Section  | Teral Koraku Building, 2-3-27 Koraku, Bunkyo-ku, Tokyo   | 〒112-0004              | TEL.03-3818-7133                     | FAX.03-3818-5031                     |
|                     | Kanazawa Sales Office  | 2-18 Matsushima, Kanazawa City, Ishikawa   | ₹920-0364              | TEL 076-240-0350                     | FAX 076-240-0357                     |
|                     | Toyama Sales Office  | 2-10-24 Tanaka-machi, Toyama City, Toyama  | 〒930-0985              | TEL.076-433-2151                     | FAX.076-432-8234                     |
|                     | Fukui Sales Office   | Wing Hatta 101, 3-501 Toiya-cho, Fukui City, Fukui   | 〒918-8231              | TEL.0776-28-5361                     | FAX.0776-28-5362                     |
|                     | Chubu Branch Office  | Narous Viuse Duilding (F. 1.1.10 Jauana, Naka ku Marous City Aichi   | = 460,0000             | TEL 052 220 0071                     | EAV 052 220 0005                     |
|                     | Environmental Systems Sales Section Narova-office  | Nagoya-Kyuso Building 6F, 1-1-19 Iseyama, Naka-ku, Nagoya City, Aichi<br>Nagoya-Kyuso Building 6F, 1-1-19 Iseyama, Naka-ku, Nagoya City, Aichi                               | T460-0026              | TEL.052-339-0871<br>TEL.052-339-0875 | FAX.052-339-0895<br>FAX.052-339-0895 |
|                     | Industrial Systems Sales Section Nagoya office   | Nagoya-Kyuso Building 6F, 1-1-19 Iseyama, Naka-ku, Nagoya City, Aichi  | ₹460-0026              | TEL.052-339-0891                     | FAX.052-339-0895                     |
|                     | Fan Solution Engineering Section Nagoya-office   | Nagoya-Kyuso Building 6F, 1-1-19 Iseyama, Naka-ku, Nagoya City, Aichi  | ₹460-0026              | TEL.052-380-7544                     | FAX.052-339-0895                     |
|                     | Shizuoka Sales Office  | 3-2-15 Toyoda, Suruga-ku, Shizuoka City, Shizuoka  | T422-8027              | TEL.054-285-3201                     | FAX.054-284-1831                     |
|                     | Hamamatsu Sales Office   | 132-4 Maruzuka-cho, Chuo-ku, Hamamatsu Citv, Shizuoka  | T410-0059              | TEL.055-923-1377<br>TEL.053-463-1701 | FAX.055-923-3449<br>FAX.053-464-1818 |
|                     | Gifu Sales Office  | 3-7-11 Rokujo-minami, Gifu City, Gifu  | ₹500-8358              | TEL.058-271-6651                     | FAX.058-274-7379                     |
|                     | Kansai Branch Office   |  |                        |                                      |                                      |
|                     | Osaka Sales Office No.1  | Shinano-bashi Mitsui Building 3F, 1-11-7 Utsubohonmachi, Nishi-ku, Osaka City, Osaka   | ₹550-0004              | TEL.06-4803-8805                     | FAX.06-4803-8823                     |
|                     | Osaka Sales Office No.2  | Shinano-bashi Mitsui Building 3F, 1-11-7 Utsubohonmachi, Nishi-ku, Osaka City, Osaka<br>Shinano-bashi Mitsui Building 3F, 1-11-7 Utsubohonmachi, Nishi-ku, Osaka City, Osaka | 7550-0004              | TEL.06-4803-8807                     | FAX.06-4803-8829                     |
|                     | Osaka Market Development Group   | Shinano-bashi Mitsui Building 3F, 1-11-7 Utsubohonmachi, Nishi-ku, Osaka City, Osaka   | 〒550-0004              | TEL.06-4803-8819                     | FAX.06-4803-8835                     |
|                     | Environmental Systems Sales Section Osaka-office   | Shinano-bashi Mitsui Building 3F, 1-11-7 Utsubohonmachi, Nishi-ku, Osaka City, Osaka   | ₹550-0004              | TEL.06-4803-8808                     | FAX.06-4803-8825                     |
|                     | Construction Control Section Osaka-office  | Shinano-bashi Mitsui Building 3F, 1-11-7 Utsubohonmachi, Nishi-ku, Osaka City, Osaka   | ₹550-0004              | TEL.06-4803-8814                     | FAX.06-4803-8828                     |
|                     | Fan Solution Engineering Section Osaka-office  | Shinano-bashi Mitsui Building 3F, 1-11-7 Utsubohonmachi, Nishi-ku, Osaka City, Osaka Shinano-bashi Mitsui Building 3F, 1-11-7 Utsubohonmachi, Nishi-ku, Osaka City, Osaka    | 〒550-0004              | TEL.06-4803-8813                     | FAX.06-4803-8828                     |
|                     | Water Supply Engineering Section Osaka-office  | Shinano-bashi Mitsui Building 3F, 1-11-7 Utsubohonmachi, Nishi-ku, Osaka City, Osaka   | 〒550-0004              | TEL.06-4803-8813                     | FAX.06-4803-8828                     |
|                     | Shiga Sales Office   | OH Kusatsu Building 4F, 1-40 Wakatake-cho, Kusatsu City, Shiga   | ₹525-0031              | TEL.077-561-7007                     | FAX.077-561-7722                     |
|                     | Kyoto Sales Office   | IMK Building TF, 359 Takedanakagawara-cno, Fushimi-ku, Kyoto City, Kyoto<br>Daiwaiisho-Sannomiya Building 5E, 3-1-2, Isobe-dori, Chuo-ku, Kobe city, Hyogo                   | ±612-8412<br>±651-0084 | TEL 078-251-7125                     | FAX.0/5-64/-153/<br>FAX.078-251-7126 |
|                     | Himeji Sales Office  | 1-192-305, Miyake, Kama-ku, Himeji City, Hyogo   | T672-8048              | TEL.079-281-5511                     | FAX.079-281-1487                     |
|                     | Chugoku Branch Office  |  |                        |                                      |                                      |
|                     | Hiroshima Sales Office No.1/No.2   | Daini Belle Vie Misasa 1F, 3-12-21 Misasa-machi, Nishi-ku, Hiroshima City, Hiroshima   | T733-0003              | TEL.082-537-0660                     | FAX.082-537-0678                     |
|                     | Fukuvama Sales Office  | 337-2 Moriwake, Mivuki-cho, Eukuvama City, Hiroshima   | T733-0003              | TEL.082-537-0660<br>TEL.084-961-0222 | FAX.082-537-0678<br>FAX.084-961-0211 |
|                     | Yonago Sales Office  | 5-1-50 Kamifukubara, Yonago City, Tottori  | ₹683-0004              | TEL.0859-32-2970                     | FAX.0859-32-2971                     |
|                     | Okayama Sales Office   | 2-24-14 Kaminakano, Kita-ku, Okayama City, Okayama   | ₹700-0972              | TEL.086-241-4221                     | FAX.086-241-4230                     |
|                     | ramaguchi sales Office   | sanyo винding Ogori 3F, 4-9, Ogori miyukimachi, Yamaguchi City, Yamaguchi  | т/54-0011              | IEL.083-974-5070                     | FAX.083-973-2585                     |
|                     | Takamatsu Sales Office   | 4-5 Higashihaze-machi, Takamatsu City, Kagawa  | 〒761-8054              | TEL.087-867-4040                     | FAX.087-867-4042                     |
|                     | Matsuyama Sales Office   | 2-1-33 Asoda-machi, Matsuyama City, Ehime  | 〒790-0952              | TEL.089-935-4335                     | FAX.089-935-4331                     |
|                     | Kyushu Branch Office   | 1.6.2 Sappa Hakata ku Eukuaka City Eukuaka   | <b>₩</b> 912.001E      | TEL 002 474 7161                     | EAV 002 474 7167                     |
|                     | Kitakvushu Sales Office  | 5-11-13 Nakai, Kokurakita-ku, Kitakvushu City, Fukuoka   | ₹803-0836              | TEL.092-474-7101<br>TEL.093-571-5731 | FAX.092-474-7107<br>FAX.093-591-0192 |
|                     | Kurume Sales Office  | 1-4-24 Yamakawaoiwake, Kurume City, Fukuoka  | ₹839-0814              | TEL.0942-88-5825                     | FAX.0942-88-5823                     |
|                     | Oita Sales Office  | 1-10-15 Nakanishi-machi, Oita City, Oita   | ₹870-0135              | TEL.097-551-1857                     | FAX.097-552-0589                     |
|                     | Nurnamoto sales Office   | 2-7-12 Kaminabe, Higashi-Ku, Kumamoto City, Kumamoto<br>Yokoyama Building 1F, 7-5 Ohashi-machi. Nagasaki City, Nagasaki  | T861-8010              | TEL.096-380-8388                     | FAX.096-380-1795                     |
|                     | Miyazaki Sales Office  | 870 Houji, Miyazaki City, Miyazaki   | T880-0123              | TEL.0985-39-1577                     | FAX.0985-39-1089                     |
|                     | Kagoshima Sales Office   | 2-59-11 Arata, Kagoshima City, Kagoshima   | ₹890-0054              | TEL.099-253-4321                     | FAX.099-253-4325                     |
|                     | Okinawa Sales Office   | 2-1-5 Tsubogawa, Naha City, Okinawa  | 〒900-0025              | TEL.098-851-9591                     | FAX.098-851-9593                     |
| TERAL               | Tokyo Head office  | lidabashi Building,2-3-28 Koraku, Bunkyo-ku, Tokyo   | 〒112-0004              | TEL.03-3818-0700                     | FAX.03-3818-6817                     |
| TECHNO SERVICE INC. | Fukuyama Head Office   | 230 Moriwake, Miyuki-cho, Fukuyama City, Hiroshima   | ₹720-0003              | TEL.084-955-1111                     | FAX.084-955-5777                     |
|                     | Nagova Branch Office   | uku tukunama bay kesearch Park Turi, 1-1-25 Shinurashima-cho, Kanagawa-ku, Yokohama Lity, Kanagawa<br>Nagoya-Kyuso Building 3E, 1-1-19 Iseyama, Naka-ku, Nagoya City, Aichi  | T221-0031              | TEL.045-450-5367<br>TEL.052-339-0894 | FAX.045-450-5368<br>FAX.052-331-5103 |
|                     | Osaka Branch Office  | Shinano-bashi Mitsui Building, 1-11-7 Utsubohonmachi, Nishi-ku, Osaka City, Osaka  | ₹550-0004              | TEL.06-4803-8711                     | FAX.06-4803-8714                     |
|                     | Sapporo Sales Office   | 23-1-3 Kita-juichijo-nishi, Chuo-ku, Sapporo City, Hokkaido  | 〒060-0011              | TEL.011-644-2594                     | FAX.011-631-8998                     |
|                     | Sendai Sales Office  | 2-3-12, Tomizawa, Taihaku-ku, Sendai City, Miyagi  | T982-0032              | TEL.022-307-3120                     | FAX.022-245-2910                     |
|                     | Chiba Sales Office   | 2-тото-2 Оwada-cno, iviinuma-кu, saitama City, saitama<br>4-13-8, Suehiro, Chuo-ku, Chiba City. Chiba  | T206-0843              | TEL.048-081-7810                     | FAX.048-081-7814<br>FAX.043-305-8004 |
|                     | Hiroshima Sales Office   | Daini Belle Vie Misasa 1F, 3-12-21 Misasa-machi, Nishi-ku, Hiroshima City, Hiroshima   | ₹733-0003              | TEL.082-509-5230                     | FAX:082-239-6280                     |
|                     | Fukuyama Sales Office  | 337-2 Moriwake, Miyuki-cho, Fukuyama City, Hiroshima   | ₹720-0003              | TEL.084-955-8678                     | FAX.084-955-5359                     |
|                     | FUKUOKA SAIES OTTICE   | 1-о-э заппо, Наката-ки, Рикиока СПУ, РИКИОКа   | то12-0015              | 1EL.U92-474-7166                     | FAX.092-474-7167                     |
| TERAL TAKU Inc.     | Head Office/Factory  | 3898 Nagao Minamitaku-machi, Taku City, Saga   | ₹846-0023              | TEL.0952-75-4121                     | FAX.0952-74-3384                     |
|                     |  |  |                        |                                      |                                      |
| TERAL KURITA INC.   | Head Office/Factory  | 2-101 Arai, Kitamoto City, Saitama   | 〒364-0026              | TEL.048-591-1721                     | FAX.048-591-5717                     |

## Broadly contributing to society through various community activities and environmental activities

TERAL has developed various environmentally contributory systems, including kitchen garbage disposals and reuse of water, while working to provide energy savings and noise reduction of products. With ISO14001 certification (in June 2008), we strive to reduce environmental loads in all business activities. Furthermore, we actively participate in community and local government activities as a model corporate citizen, aiming to be an excellent company that contributes to society.

### Participating in demonstration experiments of small electric power generation.

As an industry-academia cooperative project with Kagoshima University, we have participated in research of a small electric power generation demonstration plant for hilly and mountainous areas. TERAL pump technologies have contributed to the utilization of natural energy by means of agricultural waterways. The electricity generated is used for nighttime illumination and powering electric cars.



Pumping-up power generation facilities





Effective use for electric cars

Small hydraulic power generation







### Holding a summer evening party in a cool breeze at the head office

Every July, TERAL holds a "summer evening party in a cool breeze" at its head office (Fukuyama City, Hiroshima). The first party was held in 1984 for the purpose of promoting friendship between employees, and since then, we have come to invite our neighbors, and at present, it has become a part of the life of the community as the number of participants to the big event including our employees exceeds 1000.



About 1000 participants including people from the local community





Summer festival

Local people participating in events

### Conducting evacuation and fire fighting drills

We conduct evacuation and firefighting drills at the beginning of December when many fires break out. Evacuation drills from the workplace and demonstration of water discharge drills by the first-aid firefighting team are conducted.



Water-discharge drill





Evacuation and firefighting drill

### Installation of a disaster-prevention well

The photograph on the right-hand side shows a disaster-prevention well for emergency use installed in our Tokyo office (Bunkyo-ku, Tokyo). Since it can be used even in the case of a power outage as an electric pump and manual pump are installed in parallel, it can also be applied as daily life water for the neighborhood during a disaster, etc. This equipment has been registered as Bunkyo-ku's disaster-prevention equipment.



Disaster prevention agreement well designation notice

Disaster prevention agreement well

# History







- 1918 Our founder, Gisaburo Sugata, established Sugahei Shokai machinery department in Kasaoka-machi, Fukuyama City.
   Began manufacturing and selling pumps, and selling industrial machines both domestically and overseas.
- 1938 Moved the factory to a larger site in Okinogami-cho (current Konan-cho), Fukuyama City.
- **1955** Changed the company name to Kyokuto Machine Manufacturing Co., Ltd. Began manufacturing air blowers in addition to pumps under Kyokuto brand.
- **1958** Designated as a streamlined model factory by the Small and Medium Enterprise Agency.
- 1965 Entered into a technology partnership with Franklin Inc. (U.S.A.).
- 1966 Entered into a technology partnership with Deming Inc. (U.S.A.).
- **1967** Moved the head office and main factory to Miyuki-cho, Fukuyama City. Completed a modern factory that showcased industry-leading scale and latest facilities.
- **1971** Began developing and selling total heat exchangers in addition to pumps and air blowers.
- 1974 Developed fire pump units that set a precedent for "unitization," the mainstream of today's market.
- 1975 Developed the industry's first water supply unit.
- 1976 Established Kyokuto Services Co., Ltd. (current Teral Technoservice Inc.).
- 1981 Entered into a business partnership with Flygt Inc. (Sweden).
- **1985** Addressed "Improving Water Quality Through Destratification" with Shiga Prefecture's Lake Biwa Research Institute.
- **1986** Released the "ARLS Series," which caused a revolution in pump materials.
- 1987 Completed the General Research Institute. Released the total heat exchanger "Econo S."
- **1988** Completed our Saitama factory. Began supporting the Kansai Hydrosphere Environment Interest Research Organization. Changed the company name to TERAL Kyokuto Inc.
- 1989 Won the Medium and Small Business Research Institute Award.
  1990 Established Teral Chemical Inc. (current Production Dept.).
- Organized an overseas trip for employees to celebrate surpassing ¥20 billion in annual sales.
- 1991 Established TERAL THAI CO., LTD.
- 1993 Established TERAL DENSO INC. (current Production Dept.). Held Living Environment Forum '93 nationwide.
- 1994 Established TERAL ENVIRONMENTAL SYSTEMS CO., LTD. (current TERAL TECHNOSERVICE INC.).
- 1995 Completed TERAL THAI CO., LTD.'s new factory in Ayutthaya. Established Teral(H.K.) Ltd.











| 1997 | Bought property and building in Bunkyo-ku, Tokyo (TERAL Koraku Building/Tokyo office).   |
|------|--|
| 1998 | Achieved 7 million hours of accident-free production.<br>TERAL SERVICES and TERAL ENVIRONMENTAL SYSTEMS merged to form TERAL TECHNOSERVICE INC.<br>Received ISO9001 certification. |
| 1999 | TERAL DENSO INC. (current Production Dept.) received ISO9001 certification.  |
| 2000 | TERAL CHEMICAL INC. (current Production Dept.) received ISO9001 certification.   |
| 2002 | Established Teral General Machine (Shanghai) Co., Ltd.   |
| 2003 | All the shares of Taku Electric Corp. (current TERAL TAKU INC.) were transferred from Mitsubishi Electric Corporation.   |
| 2004 | Formed a capital alliance with Kurita Electric Works, Ltd. (current TERAL KURITA INC.).  |
| 2005 | Disposer business was transferred from SEKISUI AQUA SYSTEMS CO., LTD.  |
| 2006 | Completed Teral General Machine (Shanghai) Co., Ltd.'s new factory.<br>Completed the Ekiya factory exclusively for large-sized fans.   |
| 2008 | Pump business was transferred from Matsushita Electric Works, Ltd.<br>Changed the company name to TERAL INC.<br>Received ISO14001 certification.                                   |
| 2009 | Established Anhui Taiwei Electric Machine Co., Ltd. (T&W), a new joint venture company in China.   |
| 2010 | Coolant pump and ring blower business was transferred from Fuji Electric Systems Co., Ltd.   |
| 2011 | Established Teral Asia Limited.  |
| 2013 | The shares of TANIYAMA CO., LTD. were transferred from Taikisha Ltd. to the TERAL group.   |
| 2014 | Established Teral Pumps & Fans North America Ltd.<br>Established Teral Middle East F.Z.C.<br>Established TERAL VIETNAM LIMITED LIABILITY COMPANY.                                  |
| 2015 | Established PT. Teral Indonesia Pumps and Fans.  |
| 2018 | Celebrated 100th anniversary.<br>Completed new office building (ZEB office).   |
| 2019 | Established Teral Engineering Center (Shanghai ) Co., Ltd.   |
| 2021 | Established Teral Philippines Inc.   |
| 2023 | Established Teral Pumps India Pvt 1td  |







Teral Asia Limited





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