Company Presentation and Business Overview Sustainability Initiatives

February 17, 2023



Company Profile

Industry-leading manufacturer of environmental test chambers

Name	ESPEC CORP.	
Head Office	3-5-6, Tenjinbashi, Kita-ku, Osaka	1.
Representative	Satoshi Arata	
Established	July 25, 1947	
Incorporated	January 13, 1954	
Paid-up Capital	¥6,895 Million	
Issued shares	23,781,394 Shares	
Employees	1,628 (consolidated)	Head Office
Main Business	Manufacture and Sales of Environmental 7	Test Chambers,
	Energy Device Equipment, Semiconductor	r Equipment and
	Plant Factory.	
	After-sales Service, Laboratory Testing Service, Laboratory Testing Service, Laboratory Testing Service, Service, Laboratory Testing Service, Servi	rvices and others.

Share of Environmental Test Chambers

(As of April 1, 2022)

* Market shares are ESPEC estimates



ESPEC CORP.

Over 30% worldwide, Over 60% domestic

Global Network



ESPEC CORP.

Summary of ESPEC Business (Per Market / Use)

		Main Products	Market	Use	Sales Composition (FY2021)	
Equipment Business	Environmental Test Chambers	 Temperature & humidity chamber Thermal shock chamber Bench-top type temperature & humidity chamber HAST chamber Walk-in type temperature & humidity chamber Combined temperature & humidity chamber HALT & HASS test chamber FPD equipment 	 Electronic component and equipment market Automobile market Semiconductor market Pharmaceuticals, Cosmetics, Foods market LCD and Organic Electro- Luminescence market 	 For R & D For credibility and evaluation For production and inspection 	82%	
	Energy Device Equipment	 LIB charge-discharge cycle evaluation equipment LIB safety evaluation system Fuel cells evaluation system 	 Next generation automobile market Secondary batteries market Fuel cells market 	 For R & D For credibility and evaluation For safety evaluation For production 		
	Semiconductor Equipment	•Burn-in system •Semiconductor evaluation system	•Semiconductor market •Automobile market	 For production and inspection For development and evaluation 		
Service Business	After-sales Service and Engineering	•After-sales service •Construction around equipment	•Electronic component and equipment market	_	15%	
	Laboratory Testing Services and Facility Rentals	Laboratory testing servicesResaleEquipment rentalCalibration	•Automobile market •Semiconductor market	•For R & D •For credibility and evaluation		
Other Business	Environmental Preservation	Reforestation (Tree planting), Waterfront biotope restoration, Urban greening				
r	Plant Production Systems	Plant factory, Equipment for growing plants	3%			



History of Environmental Test

What is Environmental Test

Test to analyze and evaluate effects of environmental factors such as temperature, humidity, pressure, and vibration on various industrial products like electronic components in order to ensure product quality.

"Reliability" and "quality control" became important issues

1950s

The environmental test was JISstandardized in Japan for consumer products.



in product development. Demand increased dramatically due to a rapid shift toward computerization and the use of electronic components.

1970s-1990s



Worldwide Market Share No.1

Present

Demand is expanding in the development fields of IoT and next-generation automobiles against the backdrop of digitalization and decarbonization.



Consecutively selected as a winner of Ministry of Economy, Trade and Industry (METI) "Global Niche Top Companies Selection 100" (FY 2013, FY 2020)



1961 Japan's First Environmental

Test Chamber

Low Temperature & Humidity Chamber "Lucifer" Over 60% domestic

Over 30% worldwide



Temperature & Humidity Chamber "Platinous J series"

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Transition in Business



Top Market Share

Technological Capabilities Product and Service Capabilities

Global Structure

Share of Environmental Test Chambers: Over 30% worldwide, Over 60% domestic (ESPEC estimates)

First in Japan to develop environmental test chambers, rapidly established a brand in Japan and overseas and have held the top market share for many years

•Developed a variety of products with high quality and meeting customer requirements

• Production technology capabilities that enable high-mix, low-volume production

•Total solutions for environmental tests, including products, laboratory testing services and technical support, and after-sales service capabilities

Provide products globally that comply with the needs of respective countries through an extensive global network

Consolidated subsidiaries: 13 (9 overseas, 4 domestic) Overseas production bases: North America 1 company, China 2 companies, South Korea 1 company Overseas network: 50 locations (countries or territories), 45 companies

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Equipment Business Usage Case with Environmental Test Chambers

Ensure reliability of new technologies and new products by repeatedly testing each component, module and finished product





Equipment Business Main New Products

Release Date	Name of product	Features
Feb. 2023	Expanded Anechoic Box Thermostatic Chamber Lineup	 Supports temperature characteristics testing of 5G communications devices Expanded four types with larger internal volume to support larger test products
Apr. 2022	Environmental Stress Chamber AR Series Featuring R-473A Low-GWP Refrigerant	•Greatly reduces GWP values (an 88% reduction), and also enables energy conservation during operation *GWP: Global Warming Potential
Jun. 2021	Ultra-Low-Temperature Freezers	•Used for small lot storage to -75°C for items such as COVID-19 vaccines
Apr. 2021	Freezer for Temperature Controlled Transport	 Optimal for small-lot transport and storage of items such as COVID-19 vaccines Vibration resistant, energy efficient and portable
Feb. 2021	Vacuum Low-Temperature Heating Cooker – Model Change	•Enables precise control of not only temperature but also the degree of vacuum
Aug. 2020	Expanded Environmental Stress Chamber AR Series Lineup	•Expanded the series with launch of four new models as rapid-rate temperature cycle type products, bringing the total lineup to 32 models across the series
Mar. 2020	Transportation Evaluation System	 Recreates transport environments for pharmaceuticals and medical devices Applications in biopharmaceutical R&D and medical equipment quality control
Feb. 2020	Walk-In Type Temperature (& Humidity) Chamber for Drive-In Series	•Recreates various weather environments in a large space accommodating two vehicles
Feb. 2020	Walk-In Type Temperature (& Humidity) Chamber for High-Power Series	•Compatible with international IEC standards and LV124 German Automotive Manufacturer Testing Standards

Equipment Business New Product Introduction (1)

Walk-In Type Temperature (& Humidity) Chamber for High-Power Series

Feature:

- •Compliant with IEC International Standards and German Automotive industry standard LV124
- (Can perform rapid temperature change testing at 3K/minute with the specimens inside.)
- •Low GWP coolant (R-449A) as standard equipment

Walk-In Type Temperature (& Humidity) Chamber for Drive-In Series

Features:

- •Closely recreates various weather environments in a large space of approximately 500 m³ accommodating two vehicles to perform actual vehicle testing
- •Multiple environmental factors can be recreated simultaneously, including temperature and humidity, sunlight, rain, snow, fog, and wind



Walk-In Type Temperature (& Humidity) Chamber for High-Power Series ir conditioner in the second se second sec

Image of vehicle test

Walk-In Type Temperature (& Humidity) Chamber for Drive-In Series

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(Released in Feb. 2020)

Equipment Business New Product Introduction (2)

For the medical field

(Released in Apr./Jun. 2021)

Freezer for Temperature Controlled Transport Ultra-Low-Temperature Freezer

Features:

•Freezer for Temperature Controlled Transport: Supports small-lot transport and storage of items such as vaccines; vibration resistant, energy efficient and portable.

•Ultra-Low-Temperature Freezer:

Capable of small-lot storage to -75°C; Two types of freezers, floor and table.



Freezer for Temperature Controlled Transport



Ultra-Low-Temperature Freezer

For material field

(Released in Dec. 2019)

Thermal Air Test System

Features:

- •Can be combined with various materials testing instruments to perform materials testing in actual usage environment with given temperature
- •Uses ESPEC's proprietary new method for cooling and heating test pieces efficiently



Example of set up with friction and wear testing machines and hardness meter (Left) Thermal Air Test System (Right)



(Delivered in Jul. 2018)

Walk-in Type Temperature (& Humidity) Chamber, for building materials

Uses:

Reproduce the environment inside apartments (temperature and humidity) and outdoors (weather such as rain, snow, and sunlight), conduct performance evaluations and durability tests of building materials for sash, balcony, etc.



Walk-in Type Temperature (& Humidity) Chambers, for use for building materials



Temperature (& Humidity) Chambers are movable so that building materials for testing can be easily changed



Furnished with irradiation equipment and watering (rain) equipment, to reproduce an outdoor weather environment



Equipment Business Examples of Products Delivered (2)

(Delivered in Mar. 2016)

Smart System Research Facility, Fukushima Renewable Energy Institute, AIST (Koriyama city, Fukushima)

Product delivered:

Large Walk-in Type Temperature & Humidity Chamber

Uses:

Performance and safety evaluation for large power conditioners for solar power generation Supports heat generation loads of 100 kw and large weights (21 tons)



Large Walk-in Type Temperature & Humidity Chamber

National Laboratory for advanced energy storage technologies (NLAB), National Institute of Technology and Evaluation (Nanko, Osaka City)

Product delivered:

1.Walk-in Type Temperature & Humidity Chamber for chargedischarge testing

2.External short-circuit testing equipment (energy devices equipment)

Uses:

1.Evaluate the performance of storage batteries by repeatedly charging and discharging them

2.Evaluate safety by confirming that storage batteries will not catch fire or rupture if they short circuit



Walk-in Type Temperature & Humidity Chamber for charge-discharge testing



Charge-discharge Cycle Evaluation Equipment

Equipment for ensuring the reliability and safety of lithium-ion secondary batteries for next-generation vehicles (e.g., hybrid and electric vehicles)

Secondary Batteries



Charge-discharge Cycle Evaluation Equipment

Evaluating the performance and life of secondary batteries

Checking the charge-discharge characteristics of secondary batteries

Discharge/charge power supply control unit

Chargedischarge cycle load



attery holder

Equipment Business Usage Case with Semiconductor Equipment

Screening

Eliminate defective products to maintain initial-period quality at the final inspection stage of semiconductor device manufacturing



Burn-In Chamber



Reliability Evaluation

Used to evaluate basic failure patterns to ensure reliability in the development of new technologies



Conductor Resistance Evaluation System



Electrical evaluation of reliability of joints in electronic parts

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Service Business

After–Sales Service and Engineering

Preventive maintenance of products, maintenance service, and the upgrading/improvement and installation/relocation of products

- Speedy response via one of the most extensive networks in Japan
- Launching new services by utilizing the network function mounted in the equipment

Laboratory Testing Services and Facility Rentals

Laboratory testing, analysis, and evaluation; consulting; equipment rental; sales of used products; calibration of test equipment, etc.

- The company has four laboratory testing centers in Japan, one in Thailand, two in China. (Japan: Utsunomiya, Toyota, Kariya and Kobe, Thailand, China: Shanghai, Suzhou)
- The centers are also recognized as official calibration facilities under the Japan Calibration Service System (JCSS).
- **First in world** Opened Battery Safety Testing Center.(in Sep. 2015)
- Providing a one-stop service for testing and certification application services compliant with United Nations regulations on the safety of automotive secondary batteries.
- Entered into business alliance with TÜV SÜD Japan Ltd., a third-party certification agency (in Oct. 2014).



Battery Safety Testing Center

First in Japan Acquire ISO/IEC 17025* test facility certification simultaneously in the three fields of automobiles, trains and airplanes.
 First in Japan The Toyota Test Center addressing all test items set forth by the LV124 German Automotive Manufacturer Testing Standards.

* ISO/IEC 17025: An international standard in which an authoritative third-party organization certifies whether a test facility or calibration organization is capable of producing accurate measurements or calibration results.



Service Business After–Sales Service

(Started in Apr. 2022)

"Network service" utilizing mobile communications and cloud computing. Eases the burden on customers' tests and machinery management, and reduces equipment downtime.



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Service Business After-Sales Service

"Home-based online service"

to support continuity of customers' development operations

When using ESPEC products

Operate equipment and monitor samples from home

•Centralized management

(monitoring and data analysis)

- •Receive operating status by email
- •Monitor samples using in-chamber monitoring camera (launched in March 2020)



Image of in-chamber monitoring camera

When using laboratory testing center

All testing operations performed on behalf of customer, from start to finish, including transportation

- •Remote consultation
- •No need to attend in person
- •Remote instruction



(Apr. 2021)

First in Japan to realize 100% green electricity for laboratory testing services Contributing to the reduction of CO₂ emissions in customers' supply chains

Laboratory testing centers in Japan:



Toyota Test Center



Utsunomiya Test Center



Battery Safety Testing Center

Kariya Test Center



(Sep. 2015)

World's first Battery Safety Testing Center compliant with United Nations regulations

Providing a one-stop service to support the implementation of 9 safety tests and applications for certification by certification agencies, as stipulated by UN ECE R100-2. Part II, a United Nations regulation.





entNo. 2 Safetyom)Test Room

(Sep. 2019)

First testing facility in Japan to address German Automotive Manufacturer Testing Standards Renovated the Toyota Test Center

Supporting Japanese automotive equipment manufacturers seeking to develop global operations by addressing all test items set forth by the LV124 German Automotive Manufacturer Testing Standards



Toyota Test Center

<Utsunomiya Test Center>



Other Business

Environmental Preservation

Reforestation (Tree planting)

Recovery of local forest by selecting species and planting out seedlings using potential natural vegetation data.

Waterfront biotope restoration

Reconstruction of natural environment, development of vegetative revetments, and water quality improvement using aquatic plants.

Urban greening

Provision of roof and wall greening systems that use moss to effectively alleviate heat island effect.





Plant Production Systems

Provision of various cultivation environments employing advanced environmental control technologies to control light, temperature, humidity, carbon dioxide, etc.



Plant factory



Phyto-toron

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Other Business Plant Production Systems

Joint Development with NARO Cultivation Environment Emulator

- •Obtained* a patent jointly with the National Agriculture and Food Research Organization (NARO) and others in October 2022.
- Precisely reproduces seasonal carbon dioxide concentration, temperature, humidity, etc.
- •Contributes to development of crop production technologies adapted to climate change.



•Production and sales of vegetables high in minerals with the use of deep sea water at a plant factory near Haneda Airport.



Cultivation Environment Emulator

* ESPEC MIC Corp. jointly obtained the patent with the National Agriculture and Food Research Organization (NARO), Riken and the Agri Open Innovation Institute.



Interior of the plant factory and factory-produced vegetables "mineraleaf"

Other Business Examples of Products Delivered

Arid Land Research Center, Tottori University

(Delivered in Mar. 2016)

Products delivered:

Experimental System for Analyzing Responses of Dryland plants to Climate Changes (2 units) (Simulates the climates of arid lands, including high temperature, low humidity, strong sunlight, and high winds)

Uses:

Plant cultivation experiments and experiments to develop efficient water-usage technologies in arid lands, research to solve issues facing arid lands



Experimental System for Analyzing Responses of Dryland plants to Climate Changes



Experiment in progress (Testing wheat for drought stress)



Objective: Strengthen technology development capabilities by encouraging open innovation and promote preservation of biodiversity

Concepts : "Open innovation,"

"Open communication,"

"Coexistence with the natural environment"

Location: Kanokodai, Kita-ku, Kobe, Hyogo (in Kobe R&D Center)

Start of operation: May 2020

(Construction started in June 2019)

Building area: 1,580m²

Gross floor area: 4,557m² (Three story building)



Rooftop green space using only native species



Technology development building



Introduction to ESPEC's All Weather Simulation Chamber (in the Kobe R&D Center)

(Mar. 2021)

Opened the world's first All Weather Simulation Chamber Encouraging open innovation and strengthening environmental creation technology

Replicates dynamic climate environments with high-precision control and variation of seven environmental factors (temperature, humidity, snow, fog, rain, sunlight and wind)

All Weather Simulation Chamber

Examples of tests in dynamic environments





Test chamber: Width 6 m x Depth 9 m x Height 3 m A black coating is applied to suppress the diffuse reflection of light.







Snow with different amounts of water content can be replicated, including snowfall at temperatures around 0°C, which is close to snowfall in a natural environment. By controlling the snow quality and temperature, the laboratory replicates the change from sleet to snow. The laboratory can confirm the performance of automated driving sensors for which snow accretion has become a problem.

(2)Experiment to replicate the change from rain to fog

The laboratory controls the thickness, temperature and humidity of fog and replicates the change from rain to fog. The laboratory can confirm the performance of automated driving sensors in response to the effects of fog.





About ESPEC's Sustainability

Guided by our corporate philosophy, "THE ESPEC MIND," ESPEC will help to solve social and environmental issues through businesses centered on environmental creation technology, with the aim of achieving sustainable growth.

Our important values that have been passed on since our inception "THE ESPEC MIND" (Excerpt)



Sustainability Policy and Materiality

Looking toward sustainable growth, we formulated a sustainability policy, and identified materiality (important issues) that must be addressed in order to produce social and economic value.

Sustainability Policy

- By putting our corporate philosophy (THE ESPEC MIND) into practice, we are working to create and improve both social value and economic value.
- By maintaining a good exchange of value with our stakeholders, we are aiming for continuing growth.
- Based on ESPEC Vision 2025, we will contribute to solutions for the global environment and social issues through our business activities, centering on Environmental Creation Technology.
- We will engage in active disclosure of information related to sustainability.

Materiality

- •Innovations in business structures
- Preservation of the global environment
- •Developing human resources and vitalizing workplaces
- •Strengthening functions
- •Strengthening governance
- •Promoting diversity and respecting human rights

ESPEC's Contribution to the SDGs

ESPEC will contribute to the realization of a sustainable society by supplying products and services centered on environmental creation technology in a wide range of fields, including advanced technologies.

ESPEC

The Value ESPEC Provides

- Supply products and services centered on environmental creation technology
- Provide environmental preservation services
- Provide plant factories to address global warming and extreme weather

Strengths

- •Business domains essential to the development of society
- •Global leading brand and high-quality products and services based on a unique technologies
- •Global production and sales networks

Customer products and technologies





• Automobiles

(EVs and automated driving)

- •Electronic components(semiconductors) • AI
- •IoT
- •Batteries
- •Food
- Pharmaceuticals
- •Materials
- •Environmental •Agriculture etc. preservation

Society

Realize a sustainable society

SUSTAINABLE DEVELOPMENT

- •Realize a safe and secure society through the development of automated driving and preventive safety technologies for automobiles
- •Contribute to the solution of environmental and energy problems through the development of energy-saving technologies
- and EV technologies
- •Alleviate personnel shortages and improve productivity through the development of IoT-related technologies
- Preserve biodiversity through the environmental preservation business, including reforestation (tree planting) and waterfront biotope restoration
- Support research on the creation of new plant species to cope with extreme weather and provide a stable supply of food through plant factories. etc.



ESPEC's Businesses and the SDGs

Equipment Business



Contribute to the development of advanced technologies

through the supply of products and services leveraging environmental creation technology

• Supply products and services that contribute to the development of advanced technologies

to solve social and environmental issues

Environmental Test Chamber

Supply environmental test chambers that artificially replicate environmental factors such as temperature and humidity, thereby ensuring the reliability of products

Energy Device Equipment

Supply evaluation systems for secondary batteries and fuel cells installed in eco cars

Semiconductor Equipment

Supply products such as burn-in chambers and systems for semiconductor inspection and measurement and evaluation systems

Pharmaceutical Equipment

Supply products such as freezers for COVID-19 vaccines and stability test chambers used for quality control of items such as pharmaceuticals and food



Temperature & Humidity Chamber "Platinous J series"



Drive-In Chamber for Vehicle Testing



Burn-In chamber for semiconductor inspection



Advanced Battery Tester for secondary batteries



Service Business



Contribute to the development of advanced technologies

through the supply of products and services leveraging environmental creation technology

• Supply products and services that contribute to the development of advanced technologies to solve social and environmental issues

• After-sales Service and Engineering Conduct product maintenance and preventive maintenance so that customers can use systems with peace of mind.

•Laboratory Testing Services

Provide laboratory testing services based on technologies and testing expertise developed through environmental tests.



Technical support using IT



Capable of performing various safety tests for secondary batteries compliant with United Nations regulations and other standards Battery Safety Testing Center



ESPEC's Business and the SDGs

Environmental Preservation Business



Contribute to biodiversity preservation

A business to restore natural environments through projects such as reforestation (tree planting) with local native plant species and waterfront biotope restoration to rehabilitate natural river ecosystems Contribute to the prevention of global warming and biodiversity preservation



A forest restored along the approach to Rinno-ji Temple in Sendai



Waterfront biotope restoration on the Sumida River Terrace in Tokyo





Contribute to a stable food supply to address global warming and extreme weather

Supply plant factories that artificially replicate plant growing environments and enable vegetables to be grown systematically even under extreme weather conditions

Contribute to a stable food supply by supplying systems that can be used in research into drought-tolerant plants



Plant factory using deep sea water Produce and sell vegetables high in minerals



Experimental System for Analyzing Responses of Dryland Plants to Climate Change (Arid Land Research Center, Tottori University)



Contribute to SDGs in the Supply Chain



Products and Services that Contribute to Resolving Environmental and Energy Issues

Product lineup to evaluate the performance and durability of secondary batteries, fuel cells, solar batteries and power devices



Secondary Battery Charge-Discharge Evaluation System



Fuel Cells Evaluation System



Temperature Cycle Test System for Solar Battery Modules



Power Cycle Test System for Power Device

World's first Battery Safety Testing Center

Supports the implementation of testing and certification application services compliant with United Nations regulations on the safety of automotive rechargeable batteries.



Battery Safety Testing Center

Laboratory testing services using 100% renewable energies (domestic)

Biodiversity Preservation Initiatives

Kobe R&D Center, a hub for biodiversity preservation activities Developed rooftop green space using only plant species native to the northern Rokko region

The site has a forest of approximately 30,000 trees comprising native plant species, planted and grown by employees; rooftop green space using plant species native to the northern Rokko region on the roof of the technology development building; and a biotope made up of two ponds and a stream. ESPEC MIC CORP., which manages the environmental preservation business, conducted the tree planting and construction.





Received 2022 the Kansai Director-General's Award of a Regional Bureau of Economy, Trade and Industry (FY 2022), at the National Award for Greenery Factory sponsored by METI



Acquired the FY 2022 ABINC Certification of the Association for Business Innovation in harmony with Nature and Community (ABINC)*.

Contributing to COVID-19 Vaccination

Contributing to the cold chain of COVID-19 vaccines

- •Launched sales of freezer for temperature controlled transport in April 2021, and launched sales of ultra-low temperature freezers in June 2021, and also expanded services.
- •Free rental of constant temperature transportation freezers, etc. to local governments. Total of 41 units in the first round (April to June 2021) Total of 34 units in the second round (December 2021 to March 2022)



Freezer for Temperature Controlled Transport Supports transport and storage of temperature range from 2 °C to 8°C and -20°C Vibration resistant, energy efficient and portable



Ultra-Low-Temperature Freezers Two types of freezers, floor and table, and capable of storage to -75°C



Promotion of Diversity

Initiatives to promote women's success



From the Ministry of Health, Labor and Welfare: The Company received the "Kurumin" certification, which is granted to companies that support child-rearing. And the highest ranking of the certification mark "Eruboshi" based on the Act on Promotion of Women's Participation and Advancement in the Workplace.



The female leadership development program

Opened ESPEC Smile Farm, a plantation staffed by workers with disabilities

- Opened a farm staffed by workers with disabilities within a rented farm operated by a company to support the hiring of people with disabilities in November 2021.
- 4 individuals were hired to work at ESPEC Smile Farm, specifically 3 staff members with disabilities and 1 farm foreman.
- The cultivated vegetables were donated to local children's cafeterias and distributed to employees.



Employees picked vegetables as a team



Employee Education/Donation System

Employee Education System Enhancement

- Implement training sessions to share the corporate philosophy
- Implement a Global Trainee Program aimed at developing human resources who are capable of working in international settings
- Enhance the education program to support management executive education and self-development



On-site training in the Global Trainee Program (U.S.)

ESPEC Smile Club: a donation system featuring employee participation

- •Established a matching gift system in which the company matches donations made by employees as part of activities to promote SDGs (Dec. 2020).
- •Donated to an organization that conducts CSR activities related to children and medical care.
- •In March 2022, donated a total of ¥758,800 to non-profit organization Save the Children Japan's emergency fund to support children during the Ukraine crisis.



Contributions to Society

ESPEC Foundation for Earth Environment Research and Technologies

- Provides funding support every year for research, technology development on global environmental conservation
- Grants totaling ¥138.4 million have been provided to a total of 273 groups over the past 25 years since the Foundation was established.
- Held a ceremony to commemorate the 25th anniversary of founding in September 2022



FY2022 award ceremony and 25th anniversary commemorative ceremony

Tree Planting Ceremony at "Millenium Hope Hills" in Iwanuma, Miyagi Prefecture

- A disaster recovery project started in 2013
- The project has cumulatively planted about 350,000 trees that will form a forested coastal tide embankment across a roughly 10km stretch of coastline in the city of Iwanuma.
- Group company ESPEC MIC CORP. supported the project.
- The final tree planting ceremony was held in June 2021 (first part) and May 2022 (second part).



Tree Planting Ceremony



Non-Financial Data 1



Number of participants in ESPEC Midori-no-gakko schools (ESPEC Green School) Number of seedlings provided for green curtains (non-consolidated)



*Events cancelled or frequency reduce due to spread of COVID-19. Greenhouse gas emissions

Total of SCOPE 1 + 2 (in-house emissions)



Certification acquisition rate for the Certification Test for Environmental Specialists (Eco Test) (non-consolidated)



Total amount of effluents (non-consolidated)



Grants from the ESPEC Foundation for Earth Environment Research and Technologies



ESPEC CORP.

Non-Financial Data 2

Grants from the ESPEC Foundation for Earth Environment Research and Technologies



*Actual results for ESPEC MIC CORP.

Ratio of female managers

Rate of women through periodic recruitment (non-consolidated)



Employment rate of persons with disabilities (non-consolidated)





(FY)		2019	2020	2021
Number of registered members of the "Test Navi" information website for engineers		19,570	20,931	22,154
Number of employees		1,512 (consolidated) 786 (non-consolidated)	1,526 (consolidated) 780 (non-consolidated)	1,628 (consolidated) 770 (non-consolidated)
Ratio of employees taking childcare leave	Women	Not applicable	100%	100%
	Men	7.0%	12.5%	30.8%
Rate of annual paid leave acquisition (non-consolidated)		73.4%	65.8%	69.1%
Frequency of workplace accidents* (non-consolidated)		0.62	0	1.34
Rate of health check examination (non-consolidated)		100%	100%	100%

*Number of lost time incident victims/Total amount of work hours x 1 million hours



External Recognition

•Ranked 372th in Toyo Keizai Inc.'s 2023 CSR Corporate Ranking

December, 2022

- •A score of B for the third consecutive year in the CDP Climate Change 2022 Questionnaire
- •Selected as a "GRADE AAA" company website (overall ranking) for the third consecutive year in the All Japanese Listed Companies' Website Ranking 2022 by Nikko Investor Relations Co., Ltd.
- •Awarded a Bronze Prize in the Gomez IR Website Ranking 2022 by BroadBand Security, Inc.

November, 2022

- •Rated 4 stars in the Nikkei's 4th SDGs Management Survey
- •Rated 3.5 stars in Nikkei's 6th Smart Work Management Survey

October, 2022

•Ranked 155th in the Nikkan Kogyo Shimbun's 18th Corporate Power Ranking (sponsored by the Ministry of Economy, Trade and Industry)

August, 2022

• First Awarded as an excellent company in the Gomez ESG Website Ranking 2022 by BroadBand Security, Inc.

July, 2022

•Ranked 334th in Toyo Keizai Inc.'s 2022 SDGs Corporate Ranking

April, 2022

•First Selection as Part of FTSE Blossom Japan Sector Relative Index (ranked 27th according to industry)















FTSE Blossom Japan Sector Relative Index

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Quality is more than a word



