

# 2021 ANNUAL REPORT

UNIDO Investment and Technology  
Promotion Office, Tokyo



UNITED NATIONS  
INDUSTRIAL DEVELOPMENT ORGANIZATION



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Headquarters in Vienna, Austria

### UNIDO in Brief

The United Nations Industrial Development Organization (UNIDO) is the specialized agency of the United Nations that promotes industrial development for poverty reduction, inclusive globalization and environmental sustainability. The mandate of UNIDO is to promote and accelerate inclusive and sustainable industrial development (ISID) in developing and emerging countries and economies in transition.

UNIDO's vision is a world where economic development is inclusive and sustainable and economic progress is equitable.

The Organization focuses on four main thematic areas:

- [Creating shared prosperity](#)
- [Advancing economic competitiveness](#)
- [Safeguarding the environment](#)
- [Strengthening knowledge and institutions](#)

The Organization is recognized as a specialized and efficient provider of key services meeting the interlinked challenges of reducing poverty through productive activities, integrating developing and emerging countries in global trade through trade capacity-building, fostering environmental sustainability in industry, and improving access to clean energy.

#### UNIDO at a Glance

Establishment: 1966

Member States: 170

Headquarters: Vienna, Austria

Director General: Gerd Müller



[UNIDO Official Website](#)

## UNIDO and SDGs

UNIDO is fully committed to contributing to the achievement of the SDGs, while delivering on its mandate to support member states in achieving ISID.



While UNIDO's most visible contribution to the 2030 Agenda will be in relation to Goal 9, the multiplier effect of industrialization on all other areas of development will reinforce UNIDO's contribution to the achievement of the development goals in their entirety. Thus, both directly through its contribution to Goal 9, and indirectly through programmatic and thematic involvement in other SDGs, UNIDO supports the achievement of the sustainable development agenda as a whole.



## UNIDO Director General



In December 2021, Mr. Gerd Müller (Germany) succeeded Li Yong, who had led the United Nations' specialized agency promoting inclusive and sustainable industrial development since 2013. Müller has had

various leadership positions from an early stage in his career. Following his tenure as a Member of the European Parliament, he was appointed Parliamentary State Secretary at the Federal Ministry of Food, Agriculture and Consumer Protection in 2005. In 2013, he was appointed Federal Minister for Economic Cooperation and Development in the German government. Gerd Müller has many years of experience in the fields of multilateral cooperation, sustainability, sustainable management and innovative agriculture. Implementing the 2030 Agenda for Sustainable Development, the Paris Agreement on Climate Action, the Convention on Biological Diversity, and the Beijing Declaration on Gender Equality are key focus areas of his work.



According to Gerd Müller, UNIDO has a unique mandate: it is the only international organization to have industrial development and the pursuit of SDG 9 at its core. The Director General is passionate about promoting inclusive and sustainable industrial development (ISID), accelerating achievement of SDG 9, fostering interlinkages with other SDGs and the objectives of the Paris Agreement, and forging a new global alliance for inclusive and sustainable industrial development. He is honoured to establish UNIDO as a leading UN agency in promoting a green transition and recovery and fostering resilient, inclusive and sustainable industrial development that ensures the survival of humankind and respects planetary boundaries. He also stands for a renewed partnership between developing countries, emerging economies and industrialized countries, especially through a stronger commitment by industrialized countries.

## Japan – UNIDO Cooperation



Japan is one of the founding members of UNIDO and has long been a trusted and dependable partner, both in terms of its financial contributions and the political support to UNIDO's mandate of promoting inclusive and sustainable industrial development (ISID). Japan is the largest contributor to the regular budget of UNIDO. It has also been a consistent and reliable donor, funding a variety of projects and programmes in many developing countries and economies in transition. Over the past ten years, the Government of Japan has funded programmes and projects in excess of US\$ 75 million. The cooperation between UNIDO and Japan encompasses almost all areas of industrial development, from poverty reduction, human security, trade and investment facilitation and private sector cooperation, to activities in the areas of energy, the environment and climate change. Japanese technology is also contributing to technical cooperation activities undertaken through UNIDO as a platform for donor-recipient partnerships.



In 2021, UNIDO and Japan co-organized a webinar series under the title of "Partnering for Inclusive and Sustainable Industrial Development (ISID): New Challenges and Opportunities for the UNIDO-Japan Cooperation", to showcase the outcomes of recent joint

projects and promote further collaboration. The event, which spanned three days in June and July, featured three thematic webinars, attended by high level speakers from various sectors related to industrial development assistance, with a focus on the circular economy and carbon neutrality, vocational training and industrial skills development, and investment promotion and technology transfer. A cumulative total audience of 630 participated in the sessions.

### Factsheets

UNIDO factsheets have been developed to showcase some ongoing and completed projects funded and supported by the Government of Japan, specifying their direct contributions to the SDGs.



[Check here!](#)

# The UNIDO Network

In addition to its Headquarters in Vienna, UNIDO has liaison offices in Brussels, Geneva and New York. Its field network consists of **48** regional hubs, and regional and country offices covering **156** countries. UNIDO maintains Investment and Technology Promotion Offices (ITPOs) in **9** locations.

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**ITPOs**

Bahrain	Japan
China (Beijing)	Nigeria
China (Shanghai)	Republic of Korea
Germany	Russian Federation
Italy	



## 4 8 Regional Hubs: 5 Regional office hubs / 4 Regional offices / 39 Country offices

**Africa (19)**  
 Burkina Faso  
 Cameroon  
 Côte d'Ivoire  
 Congo (Democratic Republic of)  
 Ethiopia  
 Ghana  
 Guinea  
 Kenya  
 Madagascar  
 Mali  
 Mozambique  
 Nigeria  
 Rwanda  
 Senegal  
 Sierra Leone

South Africa  
 Tanzania  
 Zimbabwe

**Arab (7)**  
 Algeria  
 Egypt  
 Jordan  
 Lebanon  
 Morocco  
 Sudan  
 Tunisia

**Asia and the Pacific (12)**  
 Afghanistan  
 Bangladesh

Cambodia  
 China  
 India  
 Indonesia  
 Iran  
 Lao PDR  
 Pakistan  
 Philippines  
 Thailand  
 Viet Nam

**Europe and Central Asia (3)**  
 Armenia  
 Kyrgyzstan  
 Turkey

**Latin America and the Caribbean (7)**  
 Bolivia  
 Brazil  
 Colombia  
 Ecuador  
 Mexico  
 Nicaragua  
 Uruguay

# Head's Message



**Yuko Yasunaga**  
**UNIDO ITPO Tokyo Head**

Dear Partners,

Since 1981, UNIDO ITPO Tokyo has been working to support developing and emerging countries to achieve sustainable industrial development by promoting investment and technology transfer from Japan. In 2021, we reached a milestone and celebrated our 40th anniversary! We also aligned the necessity of joint actions, aspirations, and commitments with our partners, and sustained our efforts through the year under the continued challenging circumstances posed by the COVID-19.

Learning from our experience in 2020, we continued our new working style of combining online, virtual and real-life activities under the "new normal", and were successful in managing online activities, such as delegate programmes, seminars, events, B2B meetings, exhibitions and capacity building with our dedicated team, co-workers, and partners from diverse sectors worldwide. The implementation of Sustainable Technology Promotion Platform (STePP) Demonstration Project, which started in 2020 with the goal of transferring Japanese technologies and products to help the fight against COVID-19 in Africa and Asia, continued in 2021. Twelve Japanese companies have been working intensely to support ten recipient countries to confront the pandemic, with most of the projects having been implemented by the end of 2021, and with the rest expected to be completed by the end of March 2022. We are excited to share the results afterwards.

Besides that, we started organizing new activities, including a gender-themed event series and carbon neutrality discussions, with related seminars held in 2021. Together with the Sustainable Development Goal 9 "Industry, Innovation, and Infrastructure," SDG5 "Gender Equality", SDG7 "Affordable and Clean Energy" and SDG13 "Climate Action" are also significant subject matters for UNIDO as we are committed to the effective achievement of the 2030 Agenda for Sustainable Development. We will continue efforts to pursue gender equality and carbon neutrality in industries and look forward to hosting other events in 2022.

UNIDO ITPO Tokyo is positioning developing and emerging countries as the new century's largest industrial and technology investment target. With our activities and projects, we believe that investment and technology promotion remain the key to attaining sustainable development worldwide and fighting against COVID-19. From 2022 onwards, we will consider new activities that can encourage young innovators and entrepreneurs both in developing and emerging countries, as well as in Japan to tackle social challenges. We will work our hardest to keep up our service to recipient countries and Japanese private sector while contributing to other initiatives, such as the 8th Tokyo International Conference on African Development (TICAD8), which is expected to be held in Tunis this year.

We extend our sincere appreciation to industries, governments, universities, research institutes and delegates for their continuous support over the past 40 years. We will continue on our path and look forward to your further collaboration in 2022 and beyond. I wish you all good health and prosperity in the year ahead.

## UNIDO ITPO Tokyo in Brief

UNIDO ITPO Tokyo was established in March 1981 in accordance with an agreement concluded between UNIDO and the Government of Japan, and is one of 9 offices worldwide belonging to UNIDO's ITPO Network.



the office has increased its focus on Africa and least developing and emerging countries on other continents. Sector wise the coverage is also wide, including manufacturing industries, agro-based industries, environment and energy related industries, as well as the promotion of small and medium-sized enterprises (SMEs). Expectations are growing for Japan's contribution to these target areas, based on the country's broad experience in business and technology development and promotion.

The mission of UNIDO ITPO Tokyo is to help developing and emerging countries and economies in transition in their efforts to achieve inclusive and sustainable economic development by promoting foreign direct investment (FDI) and technology transfer from Japan through various activities including delegate programme (invitation of government officials to Japan), technology transfer (identifying and promoting Japanese energy and environmental technologies), seminars and events (country promotion, sector promotion, environment exhibitions), capacity building (special programmes for embassies in Japan), and activities overseas (business missions and networking).

In addition, programmes and activities are publicized through services such as the "UNI-World" journal, the "UNIDO Investment News" newsletter, press releases, annual reports, and information dissemination through the office's homepage.

The geographical coverage of UNIDO ITPO Tokyo extends to the whole developing world. Recently


UNIDO ITPO Tokyo believes that its activities can support inclusive and sustainable development in developing and emerging countries, and consequently promote and foster the international outreach of Japanese industries.

**Publications by UNIDO ITPO Tokyo**  
 You can download our publications in PDF: <http://www.unido.or.jp/en/publications/>

 Annual Reports (Japanese/English)	 STePP Brochure "Technologies from Japan" (English)
 Outline of Activities (Japanese/English/French)	 Partnership Brochure (Japanese/English)
 Japanese Bulletin "Uni-World" (Japanese)	 UNIDO's AFRICA-JAPAN Partnership Promotion (Japanese/English/French)

**UNIDO ITPO Tokyo at a Glance**

Establishment: 1981  
 Address: UNU UQs Bldg. 8F, 5-53-70, Jingumae, Shibuya-Ku, Tokyo 150-0001, Japan  
 Head: Yuko Yasunaga  
 Tel: +81-3-6433-5520 Fax: +81-3-6433-5530



UNIDO ITPO Tokyo Official Website

## Activities

### Delegate Programme



- Invitation of investment and/or technology promotion delegates (officials from government or semi-government institutions) to Japan.
- Bilateral business meetings between the delegate's country and Japanese companies.

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### Technology Transfer



- Promotion of selected sound, productive and environmentally friendly technologies and know-how of Japanese companies seeking partners overseas.

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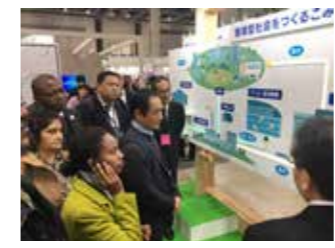
### Seminars & Events



- Organization and support of various regional, country specific and/or thematic forums, seminars and workshops in cooperation with other stakeholders.

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### Capacity Building



- Organization of capacity building activities such as lectures, factory visits and factfinding meetings for various delegations from developing countries, as well as for staff of foreign embassies in Japan.

.....▶ p. 24

### Activities Overseas



- Project support to Japanese companies overseas through UNIDO's network, which includes our Advisors in Africa.

.....▶ p. 26



## Delegate Programme

UNIDO ITPO Tokyo promotes investment and technology transfer from Japan to developing and emerging countries, by organizing individual meetings and promotion events together with representatives of Investment Promotion Agencies. Investment or technology promotion delegates are invited for a short-term stay in Japan (two weeks on average), to promote their countries as possible destinations for Japanese investments and technology transfers. In 2021, the Delegate Programme was organized online.

## Results for 2021

**6 Delegates invited under the programme**

**64 Meetings with Japanese companies**

## Delegates in 2021



### Colombia

15 March - 22 April

Mr. Juan Sebastian Perez, Senior Investment Officer from Invest in Bogota, Colombia joined us online from 15 March to 22 April 2021. Mr. Perez organized individual meetings with Japanese companies interested in developing business in Colombia in sectors such as pharmaceuticals, medical devices, functional ingredients, etc. He also made a presentation on investment opportunities in the medical and healthcare sector in Bogota at the “Colombia Investment Seminar” held on 16 March 2021.



### Senegal

13 April - 27 May

Mr. Moustapha Diop, Head of the Marketing Department, and Ms. Adama Ndiaye Gueye, Business Line Manager from APIX (Promotion of Investments and Major Works Senegal), together with our Advisor in Senegal, joined our programme online from 13 April to 27 May 2021. They provided information on the latest investment climate and business opportunities in Senegal and encouraged Japanese business communities to further invest in the country. During this programme, the delegates had individual online meetings with Japanese companies from sectors such as electronics, ICT, healthcare, agribusiness, water treatment, construction and agriculture machinery to provide hand-holding support that meets company-specific needs. They also made an online presentation at the “Senegal Business and Investment Seminar”.



### Bangladesh

24 May - 11 June

Mr. Jalalul Hai, CEO of HAISON International from Bangladesh, joined us online from 24 May to 11 June 2021. During the programme, Mr. Hai provided information and consultations to Japanese companies looking for business opportunities in Bangladesh in the following sectors: IT, chemicals, food processing, construction, infrastructure, machinery and healthcare. He also facilitated communication between Bangladeshi and Japanese companies for possible business partnerships during the business matching event held during the same period.



### Ghana

14 - 29 July

Mr. Emmanuel Forson, Principal Investment Promotion Officer of the Ghana Investment Promotion Centre (GIPC), joined us online from 14 to 29 July 2021 to offer information on the latest investment climate and business opportunities in Ghana and encourage Japanese business communities to further invest in the country. During this programme, Mr. Forson had individual online meetings with Japanese companies interested in Ghana in sectors such as agriculture and agribusiness, infrastructure, renewable energy, manufacturing, and technology transfer. He and other senior GIPC officers also spoke online at the “Ghana – Japan Investment Seminar: Business Opportunities and SDG Impact Areas”.



Delegate Programme

Technology Transfer

Seminars & Events

Capacity Building

Activities Overseas



## Ethiopia

4 - 19 October

Mr. Aschalew Tadesse, Director of the Investment Promotion Directorate of the Ethiopian Investment Commission (EIC), joined us online together with our Advisor in Ethiopia from 4 to 19 October 2021, to share information on the latest investment climate and business opportunities in Ethiopia and encourage Japanese businesses to invest more in the country. During this programme, individual online meetings with Japanese companies specializing in ICT, cosmetics and medicine, food, etc. were held to provide close support that meets each company's needs.



## Egypt

25 October - 16 November

Mr. Mohamed Ibrahim, Counsellor and Head of the Economic and Commercial Bureau at the Embassy of the Arab Republic of Egypt in Tokyo, joined us online and facilitated business meetings between Japanese companies and Egyptian ministries and other institutions from 25 October to 16 November 2021. The Japan Cooperation Center for the Middle East (JCCME) cooperated on this programme to promote the latest investment climate and business opportunities in selected sectors including renewable energy sources and storage, such as solar energy and blue and green hydrogen; transportation and railways; ICT; and construction machinery. Mr. Ibrahim and other high level official also participated as panelists in the online seminar "Japan-Egypt Business and Investment Seminar", organized jointly by UNIDO ITPO Tokyo, the Economic and Commercial Bureau at the Embassy of the Arab Republic of Egypt in Tokyo and the Japan Cooperation Center for the Middle East (JCCME).



### ◆ How to apply for the Delegate Programme (for recipient countries)

Government, semi-government, or non-government organizations may nominate candidates with the following qualifications\*. The details of the programme are decided and agreed upon based on the discussion and negotiations between UNIDO ITPO Tokyo and the delegate's organization:

- Age between 30-45 with management experience
- Perfect command of spoken and written English
- Strong negotiation and presentation skills
- Ample knowledge of local industry
- Report writing and computer skills

Assistance includes promotion of projects, identification of potential business partners, arrangement of meetings and visits, organization of seminars and roundtable meetings, assistance for business communication and negotiation, provision of temporary office facilities.

\* Interested organizations may send an application request by e-mail; [itpo.tokyo@unido.org](mailto:itpo.tokyo@unido.org)

### ◆ How to join the programme activities (for Japanese companies)

We organize delegate programmes occasionally based on discussions and coordination with investment promotion agencies (IPAs) in developing countries and economies in transition. Once the programmes are fixed, details are uploaded on our website ([unido.or.jp/en/](http://unido.or.jp/en/)).

**Technology Transfer**

UNIDO ITPO Tokyo promotes selected sound, productive, and sustainable technologies and the know-how of Japanese companies seeking partners overseas, in order to assist inclusive and sustainable development efforts worldwide.

## STePP (Sustainable Technology Promotion Platform)

### ■ Concept

UNIDO ITPO Tokyo's STePP is designed to share information on Japanese technologies that contribute to sustainable industrialization, in order to promote the transfer of such technologies to developing and emerging countries.

### ■ Criteria

The technologies are evaluated for registration on STePP by the UNIDO STePP Evaluation Committee based on the following criteria:

- 1) Applicability in Developing and Emerging Countries
- 2) Competitive Advantage
- 3) Conformity with UNIDO's Mandate of Industrial Development
- 4) Contribution to Sustainability
- 5) Technical Maturity

### ■ Technology categories

#### Energy

- Renewable energy
- Energy saving and energy storage
- Utilization of unused resources

#### Environmental

- Pollution prevention and control
- Waste treatment and management
- Circular economy

#### Agribusiness

- Food value chain
- Production enhancement
- Adaptation to climate change
- Water resource management

#### Human Health

- Public health
- Monitoring and diagnostic equipment

#### Disaster Management (newly included)

- Disaster alert system
- Disaster prevention and preparedness
- Disaster emergency response

# Results for 2021

**126 Technologies & 109 companies in STePP**

**9 Technologies newly registered in 2021**



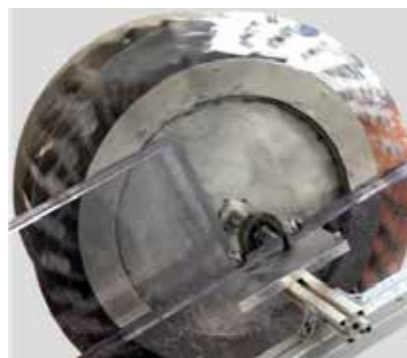
## New Japanese Technologies Registered in 2021

**NEC CORPORATION**  
NEC HSS®: Hybrid Storage Solution for Optimizing Renewable Energy



Hybrid energy storage system designed for telecommunications operators and tower companies to reduce costs and increase plant efficiency, scaling to approximately 30kW loads.

**ELIS CO., LTD.**  
WaterWeco®: Micro-hydroelectric Power Generation with Breast-shot Wheel Type



Numerical analysis and fluid analysis optimize the shape and number of blades in the water wheel, to generate electricity with high efficiency. Easy maintenance, few restrictions on a location and resistant to water flow fluctuation.

**Kayama Kogyo Co., Ltd.**  
Treatment and Recycling System for Industrial Waste and Medical Waste to Form a Sustainable Society



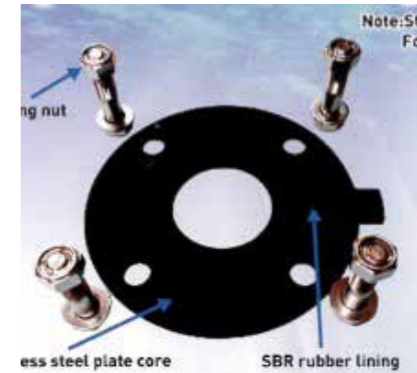
Providing a one-stop service for waste treatment by actively recycling high-mix, small-lot waste. The company achieved a high recycling rate by taking the time to separate the collected waste.

**NISHIMURA MACHINE WORKS CO., LTD.**  
Rice Flour Making Machine and Technology by Semi-wet Method



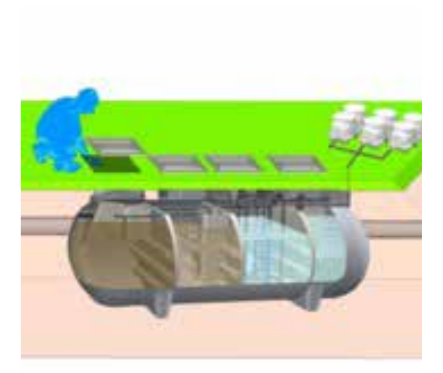
Rice flour without starch damage and starch gelatinization is widely applied to food products. This machine enables control of moisture and sharp distribution of particle size through simple operation.

**Kyowa Industrial Co., Ltd.**  
Reinforcing Joint Packing for Flanges: LSP



This material prevents uneven tightening of bolts which causes water leakage. It enables the construction of water pipes with fewer risks of leakage, thereby protecting important lifelines and infrastructure.

**FujiClean Co., Ltd.**  
Factory-made Onsite Wastewater Treatment System



Wastewater treatment based on biofilm process for effectively removing organics and nitrogen from the wastewater coming from toilets, kitchens, laundry and showers. Equipped with energy saving air blowers.

**FURUNO ELECTRIC CO., LTD.**  
Clinical Chemistry Analyzer "CA Series"



Wide range of clinical chemistry and immunoturbidimetric tests are available in three different models. An extremely low reaction volume was achieved by optimizing the spectroscopy apparatus.

**FLORA Co., Ltd.**  
A Plant-activating Agent "HB-101" Made from Natural Raw Organic Materials



HB-101 is made by a unique production method that extracts components from natural plants. It contains several thousand organic ingredients, some of which promote lateral root formation and growth.

**CHARMANT INC.**  
Ophthalmic Medical Equipment Made by Metal Processing Technologies



Welding and forming technology of titanium alloy materials enable the creation of high quality ophthalmic devices. The company provides face shields, optometry frames and X-ray protection goggles.

### Promotional Video Production

In order to promote the STePP-registered technologies, promotional videos were created for 14 technologies in 2021 and made public on UNIDO ITPO Tokyo's website ([www.unido.or.jp/en/publications/videos/](http://www.unido.or.jp/en/publications/videos/))

Tsuji Plastics Co., Ltd./ Nanatsubaki Inc. (Matsuzawa Kawaraten Group)/ Bamboo Chemical Laboratory, Ltd./ Toyokosho CO., LTD./ Sugawara Industry Co., Ltd./ NEW STANDARD'S Co., Ltd./ KIHARA WORKS Co., Ltd./ Green Science Alliance Co., Ltd./ MARUSYO SANGYO Co., Ltd./ Terios-Tec Co., Ltd., and Parks Co., Ltd./ TSP TAIYO Inc./ OOHASHI Co., Ltd./ TBM Co., Ltd. (Times Bridge Management)/ 3ms Inc.



Video Library





# Highlight

# Japanese Technologies to Fight COVID-19 in Africa and Asia

The COVID-19 pandemic has already disrupted the livelihoods of the people across the world, with a disproportionate impact on the poor, thereby jeopardizing the successful achievement of the 2030 Agenda for Sustainable Development.

With funding of US\$4 million, UNIDO launched the Sustainable Technology Promotion Platform (STePP) Demonstration Project to transfer Japanese technologies and products to countries in Africa and Asia.

The funding of this project by Japan is part of the international community's solidarity with developing countries that have fragile health systems.

UNIDO's ITPO Tokyo selected Japanese companies to provide various technologies and technical training related to infectious disease control. The selection was made from among the companies registered in STePP. Most of the technology demonstrations and transfers have been implemented by the end of 2021, and all projects are scheduled to be completed by March 2022.



## Technologies, Japanese companies and target countries in the STePP Demo Project

Technologies	Companies	Countries
Blood test analyzer	Techno Medica Co., Ltd.	Nigeria
Domestic wastewater treatment system	Hinode Sangyo Co., Ltd.	Morocco
Gasification incinerator for medical waste	Kinsei Sangyo Co., Ltd.	Kenya
Hypochlorous acid type disinfectant	Solar Wind Technology Inc.	Indonesia
Hypochlorous acid water generator	Terios-Tec Co., Ltd.	Senegal
	AGC INC.	Vietnam
Incinerator for medical waste	Chuwa Industrial Co., Ltd.	Madagascar
		Senegal
Mobile inspection system with solar system	TSP Taiyo Inc.	Kenya
Mass production of alcohol-based hand rub and hygiene education	SARAYA CO., Ltd.	Uganda
Photocatalytic coating with antibacterial effect	Marusyo Sangyo Co., Ltd.	India
		Kenya
		Mongolia
Water purifying system	TROMSO CO., Ltd.	Vietnam
Water regeneration system	JTOP Co., Ltd.	India

## Japanese companies worked remotely to deliver their technologies

### Episode 1: Using online tools to instruct local engineers on how to use a medical waste incinerator

The Japanese company Kinsei Sangyo installed a medical waste incinerator at Nairobi's Mutuini Hosiptal. When Japanese engineers were unable to travel to Kenya due to the COVID-19 lockdown in the country, Kinsei utilized various online technologies to provide instructions to Kenyan engineers situated over 11,000km away from Japan. Kinsei's Mr. Kimikazu Yano said, "In addition to two cameras, we used six different online applications simultaneously to provide instructions to the engineers at the site. It was challenging initially because all the instructions needed to be provided verbally." However, the commissioning of the equipment was successfully carried out as scheduled.



### Episode 2: Providing a training video on how to properly use the infectious disease prevention system

Another example is the Marusyo Sangyo Company, which following successful trials in India, demonstrated its infectious disease prevention system "Invironshield M5" in Kenya, Nepal and Mongolia. Invironshield is a photocatalytic coating fluid that can be applied to ceilings, walls, furniture and other equipment to prevent the spread of infectious diseases. Due to limitations on access to hospitals during the COVID-19 pandemic, Marusyo Sangyo created a video in several local languages in order to train technicians to practice the coating technique off-site.



**Chuwa Industrial Co., Ltd.**  
Installation ceremony of an incinerator for medical waste at the Joseph Raseta Befelatanana University Hospital in Madagascar.



**AGC Inc.**  
Preparation of hypochlorous acid water production equipment before export in Viet Nam.



**Saraya Co., Ltd.**  
Workshop for nurses at a hospital in Uganda.



## Results for 2021

**42** Seminars & Events with **6,142** Participants

**2** Exhibitions with **726** Participants



### Main Seminars & Events in 2021

#### ◆ Virtual Visit to Pakistan (Online) 13 January

The event was organized jointly with JICA, the Board of Investment (BOI) of Pakistan and the Trade Development Authority of Pakistan (TDAP). A virtual visit to 2 selected Special Economic Zones (SEZs) was held and foreign investors shared their experiences in doing business in Pakistan. Eight Pakistani companies also joined the event and introduced their business activities and interested areas of collaboration for possible business partnerships with Japanese companies.



#### ◆ Cambodia Investment Promotion Seminar (Online) 23 March

The seminar was organized jointly with UNIDO Cambodia and the ASEAN-Japan Center. Representatives from Cambodian ministries introduced the government's efforts to improve the country's investment climate, while private sector representatives presented information on Special Economic Zones (SEZs) in 2 key locations and a new type of industrial location suitable for SMEs and start-ups.



#### ◆ Transforming the World with Digital Tech and Innovation (Online) 26 March

The seminar was organized in collaboration with the UNDP Japan. The session examined how digital technologies and innovation can bring opportunities and values to those "furthest behind" and contribute to the SDGs, while addressing poverty and inequality. Mr. Ryan Takeshita, Editor-in-chief, The Huffington Post Japan moderated the panel discussion, and concluded that technology itself would not solve everything, but that harmonization with a variety of sectors and working together with technologies could help solve problems.



### ◆ Advantages of our seminars and events



#### Collaboration

In cooperation with government agencies and investment-related organizations in developing and emerging countries, we provide detailed information on the latest local investment needs, investment status and issues, and incentives for Japanese companies. Through such collaboration, we can deliver more accurate and reliable data and information in real time.



#### Networking

After our seminars, we are available for individual consultations to help you build your network in the field, by matching you with local government agencies and business people through UNIDO's network of 48 regional hubs in Africa, Asia and other parts of the world. We also have four locally based African Advisors who specialize in the African region.



#### Diverse Topics

We organize seminars that focus on various countries and regions, such as Asia, Africa, Latin America, and the Middle East. We also conduct seminars focusing on business meetings to match private sector and government representatives from developing countries with Japanese companies, as well as technology exhibitions to introduce technologies of Japanese companies to stakeholders in developing countries.

◆ **The Third Japan-Africa Business Forum (Online)**  
**29 - 30 June and 1, 6 - 8 July**

The event was organized by the Asia External Representation Office (SNAR), African Development Bank, in coordination with the African Diplomatic Corps (ADC) in Tokyo. Co-organized along with JETRO, JICA and the UNDP, the event brought together Japanese and African government officials and business leaders to discuss business opportunities in Africa and to promote business matchings with potential partners.



◆ **Ghana - Japan Investment Seminar: Business Opportunities and SDG Impact Areas (Online) 13 July**

The seminar was organized in collaboration with the Ghana Investment Promotion Centre (GIPC) and the UNDP and highlighted the attractiveness of Ghana as an investment destination, a country that has a relatively stable political and security environment, as well as well-developed basic infrastructures. Business opportunities, related policies and regulations were introduced, followed by both Japanese and Ghanaian business cases in IT, agriculture, and manufacturing.



◆ **Partnering for ISID: New challenges and Opportunities for the UNIDO - Japan Cooperation 29 June - 7 July**

This event was co-organized by UNIDO and the Permanent Mission of Japan to UNIDO to showcase and discuss how the UNIDO-Japan cooperation can help developing and emerging countries further advance inclusive and sustainable industrial development (ISID) and build back better after the COVID-19 pandemic. Over 600 persons in total took part in the virtual event consisting of three webinars and lasting more a week, which emphasized the importance of multilateral cooperation as exemplified by UNIDO's outstanding partnership with the Government of Japan.



◆ **India - Japan B2B Meetings (Online) 5 - 17 July**

This business matching event connecting Indian and Japanese companies was organized online. Twenty Indian companies who are members of the Indo-Japan Chamber of Commerce and Industry (IJCCI) joined the B2B meetings. The event facilitated over 50 communication exchanges and 20 individual meetings between Indian and Japanese companies.



◆ **Colombia Business Seminar: Valle Del Cauca, Logistics & Export Platform for Japanese Companies 9 September**

We organized the seminar in cooperation with Invest Pacific and the Embassy of Colombia in Japan. The seminar focused on Valle del Cauca of Colombia and conveyed that the region is a gateway to the countries of the Pacific Basin thanks to its strategic location with a major seaport and availability of free trade zones, qualified workforce and people of Japanese origin, as well as favorable living conditions.



◆ **ICEF Side Event: Achieving Global Carbon Neutrality - Collaboration with Developing and Emerging Nations (Online) 7 October**

UNIDO co-hosted the online event "Achieving Global Carbon Neutrality - Collaboration with Developing and Emerging Nations" at the 8th annual meeting of the Innovation for Cool Earth Forum (ICEF 2021). At this event, stakeholders from government, industry and academia from both developed and developing countries came together to discuss issues and solutions for achieving carbon neutrality all over the world. ITPOs China (Beijing) and Germany (Bonn) contributed to the event with high level speakers.



◆ **Sustainable Technology Exhibition 2021 13-15 October**

A virtual exhibition was held online, featuring 25 Japanese companies that own unique technologies registered in STePP. Visitors to the exhibition from 26 countries across Asia, Africa and Latin America accessed information on the sustainable technologies and products of the exhibitors and had on-site communication with them on a virtual platform.



◆ **Japan - Egypt Business and Investment Seminar 20 October**

The seminar was organized together with the Economic and Commercial Bureau at the Embassy of the Arab Republic of Egypt in Tokyo and the Japan Cooperation Center for the Middle East (JCCME). Panelists presented an overview of investment and business regulations in Egypt and pointed out the attractiveness of its market as a platform for production and export, by exemplifying potential opportunities for Japanese companies. The session also explored challenges and emerging opportunities under the new normal during the pandemic.



◆ **INCHEM TOKYO 2021 17 - 19 November**

UNIDO ITPO Tokyo participated in the "INCHEM TOKYO 2021" exhibition held at Tokyo Big Sight. The UNIDO Booth featured the latest business environment and opportunities of 12 developing and emerging countries in Asia, Africa and Latin America. Consultations and advisory services on overseas business were also provided to the booth visitors.



◆ **Technology Transfer Overseas by Japanese Companies 18 November**

The seminar was held at the "INCHEM Tokyo 2021" exhibition at Tokyo Big Sight. Representatives from 3 Japanese companies; namely So-en Co., Ltd., AGC Inc. and Nippon Basic Co. Ltd., presented their success stories of technology transfer to developing and emerging countries.



◆ **Africa Industrialization Day Event: Investment and Technology Promotion for Industrial Development in Africa under AfCFTA (Online) 22 November**

This seminar was originally planned as a side event of the AU Summit on Industrialization and Economic Diversification. Although the summit had been postponed to 2022, UNIDO ITPO Tokyo held the event as planned to celebrate the African Industrialization Day/Week 2021. The aim was to discuss how to facilitate and promote trade, investment and technology transfer, in particular from Japan, for industrial development in Africa under AfCFTA. Three experts gave keynote speeches, followed by a panel discussion which welcomed seven panelists.



# Highlight Series of Events on Gender Equality



UNIDO ITPO Tokyo started organizing a gender-themed event series in 2021 in order to promote gender equality in developing countries towards achieving the Sustainable Development Goals (SDGs), Goal 5 “Gender Equality” and Goal 9 “Industry, Innovation and Infrastructure”. In 2021, we organized two online gender-themed events in collaboration with Japanese companies that promote gender equality, in May and in December.

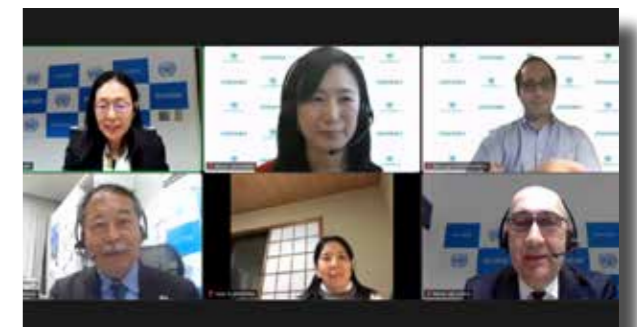
## Women’s Empowerment and SDG 9: Industry, Innovation, and Infrastructure (Online) 20 May

The seminar was organized to provide a platform for collective thinking and discussion on accelerating industrialization in developing countries, and the achievement of the Sustainable Development Goal 9 “Industry, Innovation, and Infrastructure” from women’s perspectives and for women. The speakers were Ms. Mamiko Takahashi from the Asahi Shimbun and Ms. Kaori Fujita from Hinode Sangyo Co., Ltd (water treatment), both of which are focusing on the promotion of SDGs, as well as Ms. Aissatou Ndiaye, UNIDO ITPO Tokyo’s Africa Advisor in Senegal.



## Promotion of Gender Equality and Women’s Economic Empowerment in Traditionally Male-dominated Industries and Occupations in Developing Countries (Online) 9 December

The second event was designed to explore how we can contribute to industrial development in developing countries through the promotion of gender equality and economic empowerment of women. In the panel discussion, moderated by Ms. Akemi Ishikawa (UNIDO Industrial Development Expert), Ms. Kako Kurasawa (Vice President, Sustainability Promotion Division, Komatsu Ltd.), Mr. Stavros Papastavrou (UNIDO Industrial Development Officer) and Mr. Yuko Yasunaga (Head of UNIDO ITPO Tokyo) discussed the importance of gender equality in industry and the challenges and opportunities in applying the concept of gender equality to traditionally male-dominated industries.



Event Video Recordings here





Capacity Building activities help foster the organizational ability of developing and emerging countries to promote industrial development. UNIDO ITPO Tokyo organizes capacity-building activities such as lectures and visits to factories and exhibitions, as well as fact-finding meetings for various delegations from developing countries and for foreign embassy officials in Japan.

## Main types of activities

### ◆ Embassy Programme

UNIDO ITPO Tokyo organizes seminars and factory tours for members of embassies of developing and emerging countries in Tokyo to learn about manufacturing and environmental technologies which Japanese enterprises possess. Also UNIDO ITPO Tokyo organizes tours to exhibition events about technologies.

### ◆ Tours

UNIDO ITPO Tokyo organizes nationwide tours to visit the facilities of local governments or companies.

### ◆ Delegation Groups

UNIDO ITPO Tokyo supports delegations from developing and emerging countries in obtaining information about leading technologies of Japanese enterprises regarding manufacturing and environmental sustainability. UNIDO ITPO Tokyo also arranges business meetings between visiting delegations and local governments or enterprises.

## Results for 2021

### 2 Embassy Programmes with 44 Participants

#### 13th Kawasaki International Eco-Tech Fair: Virtual Guided Tour for Embassies 27 January

UNIDO ITPO Tokyo and Kawasaki City jointly organized a virtual guided tour as part of the programme at the 13th Kawasaki International Eco-Tech Fair which took place online on 27 January, for embassy diplomats from developing and emerging countries based in Tokyo. Five selected Japanese company exhibitors specializing in energy, recycling, IOT, eco-solutions and sustainable society introduced their businesses and explained about their ecological and innovative technologies, which was followed by active Q&A sessions. After the event, foreign diplomats who participated positively evaluated the first-ever online event, particularly because it provided them with the opportunity to learn to know about a variety of promising Japanese technologies without physically paying a visit to the exhibition site. Twenty two representatives from 19 embassies participated in the virtual guided tour.



#### 14th Kawasaki International Eco-Tech Fair: Virtual Guided Tour for Embassies 24 November

Following the online event in January, the second virtual guided tour was jointly organized by UNIDO ITPO Tokyo and Kawasaki City as part of the 14th Kawasaki International Eco-Tech Fair. The event organized on 24 November, attracted 22 representatives from 20 embassies. In the virtual tour, five exhibiting Japanese companies specializing in waste-to-energy technology, energy saving technology, energy management system, hydrogen engineering technology and filtration technology introduced their business and presented on the ecological and innovative features of their technologies. This was followed by Q&A sessions. The Kawasaki-based companies who are the proprietors of the above technologies thus had the chance to interact with embassy diplomats by utilizing an online platform, and the virtual tour was highly appraised by the participants.





**Activities Overseas**

UNIDO ITPO Tokyo facilitates the business activities of Japanese companies overseas through a network of UNIDO, government and private sector contacts in developing and emerging countries, as well as through the Africa Advisory Programme.

**Africa Advisory Programme**

Since 2013, experienced African investment promotion advisors have been assigned to support Japanese companies interested in starting business on the continent. Our advisors provide a variety of services necessary for doing business in Africa, such as consultations for connecting with local businesses, arranging meetings with government agencies, matchmaking with local partners, and facilitating site visits to local companies. As of now, four advisors, based in Algeria, Ethiopia, Mozambique and Senegal,

cover seven countries (Algeria, Burundi, Ethiopia, Mozambique, Rwanda, Senegal and Uganda), with the Senegalese advisor also covering other French speaking countries in West Africa on an on-demand basis. In 2021, the advisors provided assistance to 63 Japanese companies; some of them have already succeeded in concluding business agreements with local partners and in establishing liaison offices.



**Results for 2021**

Africa Advisors provided assistance to **63** Japanese companies

**Introduction of our Africa Advisors**

Advisor in Algeria  
Mr. Lies Kerrar



**Languages:**  
French, English, Spanish and Arabic

**Contact:**  
Tel: +213-21-798686  
E-mail: l.kerrar@unido.org

\*Also covering Tunisia and Mauritania (Business sector coverage from 2022)

Advisor in Ethiopia  
Mr. Tadesse Dadi Segni



**Languages:**  
Amharic and English

**Contact:**  
Tel: +(251-11)544-4490  
Mobile: +(251-91)124-7424  
E-mail: t.segni@unido.org

\*Also covering Burundi, Uganda and Rwanda

Advisor in Senegal  
Ms. Aïssatou Ndiaye



**Languages:**  
French, English, Spanish

**Contact:**  
Tel: +221-33-8596774  
E-mail: a.ndiaye@unido.org

\*Also covering neighboring French-speaking countries in West Africa

Advisor in Mozambique  
Mr. Nándio Durão



**Languages:**  
Portuguese, English, Japanese, and Spanish

**Contact:**  
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Mobile: +258-823089478  
E-mail: n.durao@unido.org



## UNIDO ITPO Tokyo 40th Anniversary

*In 2021, we celebrated the 40th anniversary of the establishment of UNIDO ITPO Tokyo. During these four decades, we have realized investment and technology transfers from Japan to many developing and emerging countries. This would not have been possible without the strong and varied support of stakeholders in Japan and recipient countries, such as Japanese and foreign industries, governments and related agencies – especially Investment Promotion Agencies (IPAs), as well as universities and other research institutions.*



## Results of 40 Years of Work

Invited **320** government officials in charge of investment from **80** developing and emerging countries to Japan through the Delegate Programme.



Organized and attended **5,900** dedicated bilateral business meetings between Japanese companies and developing and emerging country representatives (1995-2021).



Sponsored **1,000** country-specific, region-specific, and theme-specific seminars and events (1998-2021).



Supported more than **80** companies a year in their overseas expansion projects through our Africa Advisors since 2013.



Provided specific information on investment promotion incentives and networks at business meetings to encourage Japanese companies to invest overseas. As a result,

**160** direct investments were realized by 2021.



## Messages from Stakeholders

Here are some of the messages we have received from stakeholders who have supported and cooperated with UNIDO ITPO Tokyo over the past 40 years.

*“During the late 1980s and early 1990s, many Japanese companies shifted their production facilities from Japan to other countries including Bangladesh due to increasing production costs in Japan. UNIDO ITPO Tokyo played an important role at that time in supporting investments in Bangladesh from Japanese companies. Similarly, during the mid-2000s, many prominent Japanese companies related to garments and textiles established their business in Bangladesh. Again, UNIDO ITPO Tokyo’s support was behind their success. Moreover, support was also provided to organize many seminars and business meetings in Japan which featured ‘Bangladesh Investment’. I would like to mention here that UNIDO ITPO Tokyo has been involved with the promotion of Japanese investments into Bangladesh since its inception. To this day, the organization has continually provided its support. We expect this cooperation with UNIDO to continue in the coming years.”*



**Mr. M. Jalalul Hai,**  
CEO of HAISON International,  
Bangladesh

*“We would like to send our heartfelt congratulations for the 40th anniversary of the establishment of UNIDO Tokyo Office. In 2020 we had the honor to be selected and be a part of the Sustainable Technology Promotion Platform (STePP). This collaboration allowed us to promote and transfer our technology in the field of infection control to Uganda. In the future, we would like to further deepen our collaboration with your office and contribute to solving development issues in developing countries in terms of high value-added food processing and food hygiene promotion. We sincerely wish for the further development and success of your office in the future.”*



**Mr. Takeo Hojo,**  
Africa Business Development  
Sec., Global Operation Div.,  
SARAYA Co., Ltd.



**H.E. Mr. Mukhsinkhuja Abdurakhmonov,**  
Ambassador of the Republic of  
Uzbekistan to Japan

*“On behalf of the Embassy of the Republic of Uzbekistan in Tokyo, I would like to extend my warmest congratulations on the occasion of the 40th anniversary of UNIDO’s Investment and Technology Promotion Office in Tokyo (ITPO Tokyo). During the past years with the assistance of ITPO Tokyo, we successfully arranged the Delegate Programme and business seminars in different regions of Japan, including Fukuoka, Osaka, Kyoto and Tokyo. These events brought business people of two countries closer and gave a chance to introduce new business opportunities and innovative technologies of Japan. On this very special occasion, we wish you all the success for many more years to come. And we hope to continue our fruitful cooperation in future.”*



**H.E. Mr. Santiago Pardo Salguero,**  
Ambassador of Colombia to Japan

*“I would like to express my deep appreciation on behalf of the Government of Colombia, on the occasion of the 40th anniversary of UNIDO’s Investment and Technology Promotion Office in Tokyo. I am glad to join this celebration by remarking on your leadership and willingness over decades to work together with our country, especially for the support and friendship established with the Colombian Embassy and our investment promotional agency. Recently, in spite of the pandemic, several activities have been accomplished such as online seminars and the delegate programme which introduced Japanese companies to Colombia’s investment environment. The collaboration with allies such as UNIDO has been essential to build a bridge between both countries and to encourage investors to look at Colombia as an opportunity.”*

*“Congratulations on the 40th anniversary of the UNIDO ITPO Tokyo. UNIDO ITPO Tokyo has registered our company’s original technology: KINSEI Gasification Combustion System on the Sustainable Technology Promotion Platform (STePP). In addition to valuable opportunities such as RIO+20, acceptance of inspection teams and presentations at seminars, the technology demonstration project concerning our medical waste incinerator in Kenya has achieved successful results in COVID infection control. We would like to contribute to solving problems in developing countries in the field of waste management, reduction of environmental load and energy problems. We wish UNIDO ITPO Tokyo further prosperity and success in the future.”*



**Mr. Masamoto Kaneko,**  
President, KINSEI SANGYO  
CO., LTD.





**H.E. Mr. Gorgui CISS,  
Ambassador of Senegal to Japan**

*“The celebration of the 40th anniversary of UNIDO’s Investment and Technology Promotion Office in Tokyo offers me the pleasant opportunity to extend to you, on behalf of the Government of the Republic of Senegal, my warmest congratulations. The creation of this office, 4 decades ago, is a further illustration of the vision, efficiency and anticipatory spirit of Japanese development cooperation as well as of Japan’s ability to offer tailored solutions to the needs of developing countries. This 40th anniversary comes as Japan and Africa seek to place greater emphasis on economic cooperation and promotion of high-quality technology, particularly through the TICAD process. Fully aware of these challenges, UNIDO’s Investment and Technology Promotion Office in Tokyo, which has always been alongside African countries, continues its tireless efforts throughout Africa, including in West Africa where it has deployed since 2019, an advisor who works successfully on promoting investments and technology from Japan. The Investment and Technology Promotion Office (ITPO) in Tokyo therefore deserves even greater support from UNIDO and the Government of Japan to enable it to continue to support, as it is currently doing very satisfactorily, Africa in its efforts to industrialize and transform the structure of its economy.”*



**Mr. Aref Hassani,  
Managing Director,  
Midparc – Casablanca Free Zone**

*“On the occasion of the 40th anniversary of UNIDO ITPO Tokyo, I would like to express my deep gratitude to all teams with whom I have been working since 1997, my first experience delegate for the Foreign Investments Department of the Kingdom of Morocco. Thanks to the outstanding cooperation of UNIDO ITPO Tokyo, several Japanese companies decided to invest in Morocco, particularly in automotive industry and energy sector. This tremendous joint effort leads to set up more than 70 companies that creates more than 50,000 new jobs in comparison with a very weak figure at the end of the 90’s. My collaboration with UNIDO ITPO Tokyo never sopped even when I joined in 2009 The Tangier Mediterranean Special Agency and in 2013 the Midparc Casablanca Free Zone. The support to promote aerospace industry in Morocco is our new common challenge.”*

*“The Kenya Investment Authority (KenInvest), would wish to convey its warmest congratulations to the UNIDO ITPO Tokyo on the occasion of its 40th anniversary since inception. KenInvest is happy to be associated with UNIDO ITPO Tokyo through its Delegate Programme, which has enabled KenInvest to promote investment opportunities in Kenya available to Japanese investors as per “its mandate to promote direct investment and technology transfer from Japan and to foster international outreach of Japanese industries”. Built on its solid foundation, ITPO Tokyo has continued to make remarkable contributions to Kenya’s development agenda through well organized and targeted visits to Japanese investors, some of which have since established presence in Kenya. These companies have created many jobs for Kenyans, promoted transfer of technology and earned foreign exchange for the country among other things. Further, we wish to express our commitment to continue our partnership and collaboration with ITPO Tokyo. As you celebrate the 40th anniversary, we would like to express our gratitude to all UNIDO ITPO Tokyo fraternity and wish you continued success in the years to come.”*



**Mr. Guracha Adi, General  
Manager, Investor Services,  
KenInvest**



**Ms. Heather Munyao,  
Investment Promotion Officer,  
Investment Promotion,  
KenInvest**



UNITED NATIONS  
INDUSTRIAL DEVELOPMENT ORGANIZATION



# APPENDIX

## Delegate Programme

	Country	Date	Name	Title	Organization
1	Colombia	15 - 22 March	Mr. Juan Sebastian Perez	Senior Investment Officer	Invest in Bogota
2	Senegal	13 April - 27 May	Mr. Moustapha DIOP	Head of Marketing Department	Promotion of Investments and Major Works Senegal (APIX)
			Ms. Adama Ndiaye Gueye	Business Line Manager	Promotion of Investments and Major Works Senegal (APIX)
3	Bangladesh	24 May - 11 June	Mr. Jalalul Hai	Chairman & CEO	HAISON International
4	Ghana	14 - 29 July	Mr. Emmanuel Forson	Principal Investment Promotion Officer	Ghana Investment Promotion Centre (GIPC)
5	Ethiopia	4 - 19 October	Mr. Aschalew Tadesse	Director, Investment Promotion Directorate	Ethiopian Investment Commission (EIC)
6	Egypt	25 October - 16 November	Mr. Mohamed Ibrahim	Counsellor (Head of Economic and Commercial Bureau)	Embassy of Egypt

## Technology Transfer

**NEW** Registered in 2021

	Company	Technology	Energy	Environment	Agribusiness	Human Health
1	AffordSENS Corporation	Vitalgram®: Wearable Multi-Vital Sensor				○
2	AGC Inc.	Electrodialysis Using Ion Exchange Membranes		○	○	
3	AGC Inc.	High Durability Film "F-CLEAN™" for Greenhouse	○		○	
4	ARKRAY, Inc.	ARKRAY Japan: Blood Biochemical Analyzer "The Lab 004"				○
5	Bamboo Chemical Laboratory, Ltd.	3 Types of Small Hydropower Generator	○			
6	BGCT JAPAN K.K., Creative Co., Ltd.	Solid Recovered Fuel 'Green Coal' - RPPWF™	○	○		
7	Biomaterial in Tokyo Co., Ltd. (bits)	Ethanol Production through Yeast Fermentation	○			
<b>NEW</b> 8	CHARMANT INC.	Ophthalmic Medical Equipment Made by Metal Processing Technologies				○
9	CHUWA INDUSTRIAL CO., LTD., M.K.D. Corporation	Environment-friendly and Smokeless Incinerator: CHUWASTAR		○		
10	COMOTEC Corporation	Cassette-type Black Smoke Removal Device		○		
11	CR-POWER LLC	Biofuel and Waste Management: C-POWER PLANT	○	○		
12	Donico Inter Co., Ltd.	Efficient Glass Interlayer Separation Equipment		○		
13	Donico Inter Co., Ltd.	Micro-Sizer: Glass Cullet Production Equipment		○		

	Company	Technology	Energy	Environment	Agribusiness	Human Health
14	Earth Clean Tohoku Co., Ltd.	Energy Saving Air Conditioning without Freon 'DESICCANT + MEGACOOOL®'	○		○	
15	EcoCycle Corporation	EcoClean and GreenClean Series for Bioremediation		○		
16	Ef-Initials Co., Ltd.	Multilayer Nanotechnology Coatings			○	○
17	EiShin Co., Ltd.	Energy Efficient & Eco-Friendly Automobile Filter Spray	○	○		
<b>NEW</b> 18	ELIS CO.,LTD.	WaterWeco®: Micro-hydroelectric Power Generation with Breast-shot Wheel Type	○			
19	Excelsior, Inc.	Mt. Fuji Toilet: Portable and ECO-friendly Hygiene Facility		○		○
20	Fermentation Co., Ltd.	Integrated Ethanol Production System Utilizing Biomass		○	○	
<b>NEW</b> 21	FLORA Co., Ltd.	A Plant-activating Agent "HB-101" Made from Natural Raw Organic Materials			○	
<b>NEW</b> 22	FujiClean Co., Ltd.	Factory-made Onsite Wastewater Treatment System		○		○
23	Fujita Corporation	Container Unit "Quick & Easy Hospital" with Remote Supervision IT System				○
24	FUMIN Co., Ltd.	Coating for Ultraviolet and Infrared Ray Shielding	○			
25	FUMIN Co., Ltd.	"MR-X" Agricultural Materials for Environmental Protection			○	
<b>NEW</b> 26	FURUNO ELECTRIC CO., LTD.	Clinical Chemistry Analyzer "CA Series"				○
27	GAINA Pro Co., Ltd., NISSIN-SANGYO CO., LTD.	GAINA - A Multifunctional Ceramic Coating Material	○			
28	GIKEN LTD.	Press-in Method (Piling technology) with "Silent Piler"		○	○	
29	Green Science Alliance Co., Ltd.	Biodegradable Resin: Nano Sakura		○		
30	GUUN Co., Ltd.	Fluff Fuel Technologies Derived from Waste Plastics		○		
31	HINODE SANGYO Co., Ltd.	Elbic Series Solutions for Wastewater Treatment		○		
32	HINODE SANGYO Co., Ltd.	Hinode Microbubble Generator (HMB)		○		
33	Hitachi Metals, Ltd.	Amorphous Energy Efficiency Distribution Transformer	○			
34	HORIBA, Ltd.	Accurate and Fast Non-contact Infrared Thermometer: IT Series	○		○	
35	IHI Corporation	TIGAR®(Twin IHI GASifier)	○			
36	JAG SEABELL CO., LTD.	Micro Hydropower System (Ultra-low Head)	○			
37	Japan Conservation Engineers & Co., Ltd.	Fulvic Acid Extract "Fujimin"			○	
38	Japan Insulation Co., Ltd.	Thermal Insulation Materials Using Biomass	○	○		
39	JTOP Co., Ltd.	On-site Regeneration System of Activated Carbon Filtration Unit		○		
40	KAIHO INDUSTRY CO., LTD.	Eco-Friendly ELV Recycling System		○		
41	KANAZAWA INDUSTRY CO.,LTD & AGC Inc.	Electrolyzed Water Generator Incorporated with Ion Exchange Membrane			○	○
42	KANEKA CORPORATION	KANEKA Biodegradable Polymer PHBH™		○		
43	KAWASAKI KIKO CO., LTD.	Tea Ingredient Analyzer			○	
44	KAWATOKU CO., LTD.	Removing Heavy Metals from Water		○		
<b>NEW</b> 45	Kayama Kogyo Co.,Ltd.	Treatment and Recycling System for Industrial Waste and Medical Waste to Form a Sustainable Society		○		
46	KIHARA WORKS Co., Ltd.	Food Dehydrator with DDS (Dual Drying System)			○	
47	KINSEI SANGYO CO.,LTD.	Waste Incinerator of Gasification System		○		

	Company	Technology	Energy	Environment	Agribusiness	Human Health
	48 KITA MACHINERY Co.,Ltd	Design and Construction of Small Hydropower Generation	o			
	49 KITA MACHINERY Co.,Ltd	Design and Construction of Wastewater Treatment Facility		o		
	50 Kokusaikan Corporation Japan, Japan Nano Coat Co., Ltd., Miyako Roller Industrial Co., Ltd., ef-initials Co., Ltd., Nano-Science Laboratory Corporation	Nanotechnology & Industrial Coatings	o			
	51 KOMAIHALTEC Inc.	Mid-Size Wind Turbine "KWT300" (300kW)	o			
	52 KYOCERA Corporation	Photovoltaic Module / Solar Hybrid System	o			
NEW	53 Kyowa Industrial Co.,Ltd.	Reinforcing Joint Packing for Flange: LSP			o	
	54 Lequio Power Technology Corp., Okinawa Medical Device Co., Ltd.	Ultrasound Imaging Diagnostic Device				o
	55 MARS Company	High-Quality Food Preservation: Kuraban			o	
	56 MARS Company	Special Ice Maker from Salty Water: sea snow			o	
	57 MARUSYO SANGYO CO.,LTD.	Antimicrobial Coating: Invirosield M5		o		o
	58 Matsuzawa kawaraten Inc.	Electrodeless Germicidal Lamp: "SVI (Super Virus Inactivity) Light"				o
	59 Mebiol, Inc.	Sustainable Agriculture through Film Farming			o	
	60 Meiwa Co., Ltd.	Biochar for Drought-vulnerable Agriculture			o	
	61 Meiwa Co., Ltd.	Converting Organic Waste into Charcoal		o	o	
	62 Microtech Inc.	Drinking Water Quality Analysis Technology				o
	63 Mikuniya Corporation	Mishimax Organic Waste Treatment System		o		
	64 Mitsubishi Chemical Aqua Solutions Co., Ltd.	Oil Adsorbent DiaFellowTM DM		o		
	65 Mitsubishi Chemical Aqua Solutions Co., Ltd.	On-Site Water Treatment System		o		o
	66 Mitsubishi Chemical Aqua Solutions Co., Ltd.	Real-time Online Wastewater Monitoring System		o		
	67 Nabell Corporation	Portable Solar Power Charge and Storage System	o			
	68 Nakayama Iron Works, Ltd.	Pico and Micro Hydropower Systems	o			
	69 NascNano Technology Co., Ltd.	Multifunctional Nano-coating Technology		o		o
NEW	70 NEC CORPORATION	NEC HSS®: Hybrid Storage Solution for Optimizing Renewable Energy	o			
	71 NEW STANDARD'S Co., Ltd.	AWG (Atmospheric Water Generator) with Ultra-efficient Condensation System "Sarastear®"			o	o
	72 NGK INSULATORS, LTD.	Sodium Sulfur Battery System	o			
	73 Nihon Genryo Co., Ltd.	Eco-friendly Mobile Sand Filtration Device		o		
	74 Nihon Genryo Co., Ltd.	Eco-friendly Non-Electric Sand Filtration Device		o		
	75 Nihon Genryo Co., Ltd.	Eco-friendly Sand Filtration Device		o		
	76 NIHONHAKKO Co., Ltd.	KID System		o		
	77 Nippon Basic Co., Ltd.	Bicycle-Powered Water Purifying Equipment		o		o
	78 Nippon Basic Co., Ltd.	Desalination of Seawater for Drinking			o	
	79 Nippon Biodiesel Fuel Co., Ltd. (NBF)	Rural Energy Supply with Jatropha	o		o	
NEW	80 NISHIMURA MACHINE WORKS CO.,LTD.	Rice Flour Making Machine and Technology by Semi-wet Method			o	

	Company	Technology	Energy	Environment	Agribusiness	Human Health
	81 Nomura Kohsan Co., Ltd.	Mercury Waste Recycling Technology		o		
	82 Old Faithful Japan Co., Ltd.	Clean Move		o		o
	83 OOHASHI CO., LTD.	Road Mats Made of Recycled Polyethylene		o	o	
	84 O's&Tec Co.,Ltd.	High Voltage Generator for Maintaining Freshness "Wi-Free"			o	
	85 OSMO Co., Ltd.	Distributed Simple Water Purification Plant System		o		o
	86 Panasonic Corporation	Rechargeable Solar LED Lantern	o			
	87 Persh, Inc	Energy-Saving Ceramic Sheets for Air Conditioners	o			
	88 RBC Consultant Co., Ltd.	Water Treatment with Bakture System		o	o	
	89 Sanso Electric Co., Ltd.	Desalination - Small Equipment for Making Seawater into Drinking Water			o	o
	90 Saraya Co., Ltd.	Anti-Viral Alcohol-Based Hand Rub and Improvement of Hygiene Environment through Infection Prevention and Control by Hygiene Instructors				o
	91 Shinko Tecnos Co., Ltd.	Hydrothermal Treatment Technology		o		
	92 Shinko Tecnos Co., Ltd.	Plastic Changing to Oil Machine (BP-2000N/5000N)	o	o		
	93 SHINMEI Co.,Ltd.	Food Traceability Technology Utilizing QR Code, RFID IC Tag and Printer			o	
	94 Sion Corporation	Anti-Virus/Microbe Porous Material and Applied Equipment		o		o
	95 Sion Corporation	Functional Material: CircuLite	o	o		
	96 SO-EN CO., LTD.	Water Treatment with Carbon Fiber		o		
	97 Solar Wind Technology inc., KANKYO BUNKA KENKYUSHO Co., Ltd., Aga Material Co., Ltd.	Hypochlorous Acid Type Disinfectant: JIAT X KIREIKUKAN				o
	98 STELLA ENVIRONMENT CORPORATION	Small-Type Medical Waste Incinerator		o		
	99 Sugawara Industry Co.,Ltd.	Asphalt Waste Recycling Technology		o		
	100 Sumino Co., LTD.	Micro Hydraulic Power Unit (Spiral Type Pico-Hydro Unit)	o			
	101 Sumitomo Electric Industries, Ltd.	Concentrator Photovoltaic (CPV) Power Generation System	o			
	102 Sumitomo Electric Industries, Ltd.	Vanadium Flow Battery System for Energy Efficiency	o			
	103 TAIKI SANGYO CO., LTD.	Electric Food Dryer			o	
	104 Takino Filter inc.	Takino Filter Growing Mats			o	
	105 Tamada Industries, Inc.	SF Double-wall Tank		o		
	106 TBM Co., Ltd.	FOG-green Power Generation System	o	o		
	107 TBM Co., Ltd. (Times Bridge Management)	LIMEX: Alternate Plastic and Paper Material		o		
	108 Techno Medica Co., Ltd.	Portable Electrolyte Analyser: STAX-5 inspire				o
	109 TECHNO TAKATSUKI, CO., LTD.	Linear Diaphragm Air Pump	o	o		
	110 TERAL INC.	DC Solar Pump System			o	
	111 Terios-Tec Co., Ltd., and Parks Co., Ltd.	Hypochlorous Acid Solution Manufacturing Equipment (Patented Technology: Buffer Method)				o
	112 TOHATSU CORPORATION	Electronically Controlled 4 Stroke Fuel Injection Systems (Model: VF53AS)			o	
	113 Tokyo Boeki Medisys Inc.	Fully Automated Clinical Analyser "BIOLIS 30i"				o
	114 TOTETSU MFG. CO., LTD.	Rainwater Harvesting and Underground Storage			o	

	Company	Technology	Energy	Environment	Agribusiness	Human Health
115	Tottori Resource Recycling Inc.	Porous System		o	o	
116	Toyokosho Co., LTD.	Photocatalytic Deodorization System: PCF® Hybrid		o		
117	Tromso Co., Ltd.	Rice Husk Briquette Machine		o	o	
118	Tromso Co., Ltd.	Water Purifier 'Welvina' Series		o		o
119	TSP TAIYO INC.	Mobile Inspection System with Solar Modules				o
120	Tsujiplastics Co.,Ltd	Battery-free Innovative Solar Charger	o	o		
121	Tsukishima Kankyo Engineering Ltd.	Waste Liquid Incineration System		o		
122	VPEC Inc.	Power Router for ECONETWORK	o			
123	Well Create Co., Ltd.	Merry's System: Food Waste Composting and Creating Recycling Loop		o	o	
124	Yamaha Motor Co., Ltd.	Clean Water Supply System for Rural Areas		o		o
125	YIELD Co., Ltd.	Photocatalyst Titanystar		o		o
126	Y's Global Vision, Inc.	Compact-Sized Desalination Device			o	o

### Seminars & Events

	Title	City	Date	Participants
1	Virtual Visit to Pakistan (Webinar)	Online	1/13	320
2	Virtual Visit to Pakistan (Roundtable Meeting)	Tokyo & Online	1/13 -14	51
3	Bangladesh IT B2B Online Meeting 2021	Online	1/26-2/4	78
4	Partnering with DFIs for Africa's Development 4 - Development Bank of Southern Africa (DBSA)	Online	2/25	67
5	Audio Visual Webinar	Online	3/2	92
6	Webinar Investment Incentives & Taxation	Online	3/11	73
7	Colombia Investment Seminar	Online	3/16	88
8	Colombia ICT Webinar: Coffee with the Minister of Information and Communication Technology	Online	3/17	101
9	"Making the Sapporo Declaration in Action toward the Achievement of SDGs -Realization of Circular Economy in Collaboration with Diverse Players- "On the occasion of SCEJ 86th Annual Meeting (2021)"	Online	3/22	173
10	Cambodia Investment Promotion Seminar	Online	3/23	118
11	Investing in India: Recent Initiatives	Online	3/25	107
12	Transforming the World with Digital Tech and Innovation	Online	3/26	350
13	Support for developing countries, technological development and SDGs - disseminate the actions of Japanese companies	Yokohama	3/26	400
14	Senegal Business and Investment Seminar	Online	4/15	173
15	Turkey Investment Webinar	Online	4/22	200
16	AFRECO Webinar on SADC-DFRC (Day 5: Export Credit Insurance Corporation)	Online	4/28	32
17	Pakistan ICT Seminar & Business Matching	Online	4/28	136, 6 (B2Bs)
18	Celebration of the International Day of Argan Tree	Online	5/10	6 (B2Bs)
19	"Women's Empowerment and SDG Goal 9: Industry, Innovation, and Infrastructure"	Online	5/20	175
20	Business Matching with Bangladesh Companies	Online	5/24-6/11	150 (B2Bs)
21	IDB Online Seminar - Report on Macro Economy in Latina America and Caribbean	Online	6/3	170

	Title	City	Date	Participants
22	Pakistan ICT Seminar	Online	6/23	54
23	Bangladesh Seminar on "Trade, Investment and Skilled Human Resource Development"	Shizuoka	6/30	100
24	The Third Japan-Africa Business Forum (Day3: Industrialize Africa)	Online	7/1	307
25	UNIDO-Japan Cooperation ~Investment and Technology Transfer under COVID -19~	Online	7/2	193
26	The Third Japan-Africa Business Forum (Day4: Africa Innovates: Embracing the Power of Start-ups)	Online	7/6	235
27	Introduction of Indian Companies Participating in India -Japan Business Matching	Online	7/7	56
28	Business Matching with Inidan Companies	Online	5/17	50
29	Ghana – Japan Investment Seminar: Business Opportunities and SDG Impact Areas	Online	7/13	245
30	AFRECO Webinar on SADC-DFRC (Day 6: Botswana Development Cooperation)	Online	7/29	52
31	Colombia Business Seminar: Valle del Cauca, Lotistics & Export Platform for Japanese Companies	Online	9/9	119
32	SCEJ 52nd Autumn Meeting Special Symposium-Making the Sapporo Declaration in Action toward the Achievement of SDGs-	Online	9/24	182
33	Algeria Business and Investment Seminar	Online	9/28	143
34	ICEF Side Event "Achieving global carbon neutrality - collaboration with developing and emerging nations"	Online	10/7	250
35	Japan-Egypt Business and Investment Seminar	Online	10/20	209
36	EXPLORING ADTANTAGES OF R&D ECOSYSTEM IN TURKEY	Online	11/9	90
37	INCHEM TOKYO 2021 (Seminar: Technology Transfer Overseas by Japanese Companies)	Tokyo	11/18	50
38	Investment and Technology Promotion for Industrial Development in Africa under AfCFTA	Online	11/22	231
39	"JAPAN-AFRICA Public-Private Economic Forum, Side Event: Bringing Growth in Africa-Japan Partnership ~case study of Japanese companies selected in the "Address Global Challenges in Partnership" program"	Online	12/6	133
40	Promotion of Gender Equality and Women's Economic Empowerment in Traditionally Male-dominated Industries and Occupations in Developing Countries	Online	12/9	85
41	"The 2nd JAPAN-AFRICA Public-Private Economic Forum -Side Event- "Green Business and Climate Investment "Business Solutions and Impact Investment for SDGs in Africa"	Online	12/16	304
42	FIPA Tunisia Webinar: Road to Tunisia	Online	12/21	150
Total				6142

### Exhibitions

	Title	City	Date	Booth Visitors
1	Sustainable Technology Exhibition 2021	Online	10/13-15	326
2	Booth Participation in the INCHEM Tokyo 2021	Tokyo	11/17-19	400
Total				726

### Capacity Building

	Title	City	Date	Participants
1	Online embassy programme: 13th Kawasaki International Eco-Tech Fair	Online	1/27	22
2	Vitual Tour for Embassies: 14th Kawasaki International Eco-Tech Fair	Online	11/24	22
Total				44



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