



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



STePP

Sustainable Technology Promotion Platform

Technologies from Japan

- Energy Technologies
- Environmental Technologies
- Agribusiness Technologies
- Human Health Technologies



UNIDO NETWORK OF INVESTMENT AND
TECHNOLOGY PROMOTION OFFICES

TOKYO, JAPAN

As of February 2020



UNIDO ITPO Tokyo's Sustainable Technology Promotion Platform (STePP) is designed to share information on Japanese technologies that contribute to inclusive and sustainable industrial development.

Concept

UNIDO ITPO Tokyo promotes selected sound and productive Japanese technologies in order to accelerate the transfer of such technologies to developing and emerging countries.

Technologies registered on STePP tackle many issues and challenges faced by current societies striving for inclusive and sustainable industrial development. This includes energy technologies, environmental technologies, agribusiness technologies and human health technologies, all of which are provided by Japanese companies seeking to implement their technologies in developing and emerging countries.

STePP aims to become a platform where Japanese technology providers and governments/companies in developing and emerging countries can find partners for collaboration to achieve effective and sustainable technology transfer.

Criteria for Registration

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

Categories of technologies promoted are listed in the next page. Foreign Direct Investment (FDI), Joint Ventures (JV), and licensing of technologies, etc. are some of the ways by which the technologies can be transferred.

Any organizations in developing and emerging countries, such as governmental organizations, private enterprises, institutions or NGOs, are welcome to approach the technology providers on STePP through the contact person listed below each technology.

Categories of UNIDO ITPO Tokyo's STePP

Energy Technologies

- Renewable energy (ex: solar, wind, geothermal, small hydro, biomass)
- Energy saving and energy storage (ex: co-generation, storage batteries, energy saving)
- Utilization of unused resources (ex: high-efficiency and low-emission fossil fuel utilization)

Environmental Technologies

- Pollution prevention and control (ex: pollution prevention of air, water and soil)
- Waste treatment and management (ex: industrial and municipal waste treatment)
- Circular economy (ex: 3R (reduce, reuse, recycle) related technologies)

Agribusiness Technologies

- Food value chain*¹ (ex: processing and quality control of food and drinks)
- Production enhancement (ex: soil conditioner)
- Adaptation to climate change (ex: drip irrigation system)
- Water resource management (ex: desalination, fresh water storage)

Human Health Technologies*²

- Public health (ex: drinking water supply, prevention of infection, toilets)
- Monitoring and diagnostic equipment (ex: simple equipment for health monitoring in remote areas)

*1: Processing, transportation, preservation or quality control of acceptable, except for real foods and drinks (beverages).

*2: It excludes pharmaceuticals, highly invasive medical devices for the human bodies, and folk remedies, etc.

For the detailed information please access
www.unido.or.jp/en/activities/technology_transfer/technology_db/

UNIDO ITPO Tokyo

UNIDO's Investment and Technology Promotion Office, Tokyo (UNIDO ITPO Tokyo) was established in March 1981 and is one of 9 offices worldwide belonging to UNIDO's ITPO Network.

UNIDO ITPO Tokyo's mission is to help developing 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 promotion activities in Japan and also in recipient countries using UNIDO's private and public sector networks.



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NEW

MARUSYO SANGYO CO.,LTD.

*Public health [Environmental
Technologies: Pollution prevention and
control]*

Antimicrobial Coating: Inviroshield M5

Target Area

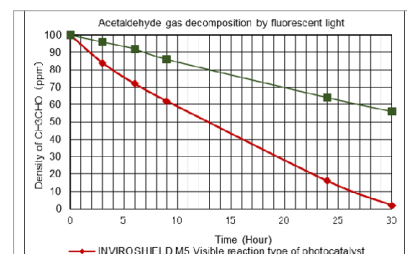
Bio-decontamination by photocatalytic reaction

Technology

'Inviroshield M5' is a photocatalyst coating to eliminate pathogenic microorganisms and help to reduce infections in hospitals. This facilitates a decrease in ALOS (average length of stay), which will not only reduce medical expenditure but also increase the treatment availability to deprived patients in developing countries, ensure healthy lives and promote wellness for all. The coating agents can be systematically coated by using conventional spray guns and air compressors.

Sample Projects

In India, central government hospitals and municipality hospitals adopted this bio-decontamination technology for 5 years. The results were significant in the process of reduction of Infant Mortality rate in the Safdarjung hospital (Central Government Hospital). Currently, this technology is also being adopted in AIIMS (All India Institute of Medical Sciences).



Website: marusyosangyo.jp/en/

Contact: Mr. Takayuki YOSHIKAWA yoshikawa@marusyosangyo.jp

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