

ECO INSIGHT

Unveiling INSEE Ecocycle Sustainability DNA



INSEE Ecocycle Thailand Participates in Southern Innovation and Technology Expo (SITE 2024)

INSEE Ecocycle took part in 'Southern Innovation and Technology Expo' (SITE 2024) which was held from 1- 4 February, 2024 at the International Convention Center, Prince of Songkhla University. The event was honored by Ms. Pimpatra Wichaikul, Minister of Industry, to preside over the opening ceremony.

At the expo, INSEE Ecocycle showcased its efforts in sustainable waste management and industrial services, aiming to change how "waste" is viewed by highlighting it as a resource. INSEE Ecocycle also emphasized its commitment to working with customers to achieve sustainability goals.

In addition, Ms. Suchintana Viraratt, Chief Executive Officer of INSEE Ecocycle, actively participated in the panel discussion titled "Green Cement for Greener Future" alongside Mr. Montri Nithikul, CEO of Thailand Cement Business, and Associate Professor Kuaanan Techato from the Prince of Songkhla University. She highlighted on INSEE Ecocycle's pivotal contributions to the circular economy and looked forward to continued partnerships and innovations that will contribute to a greener future for generations to come.

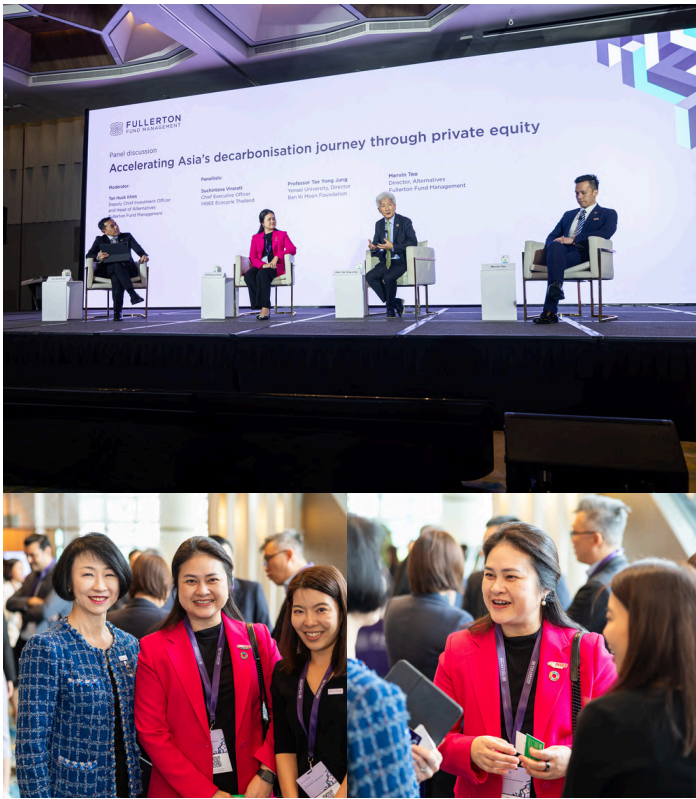
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CHIP MONG ECOCYCLE HOSTS WORKSHOP WITH TAFTAC CONTROL UNION



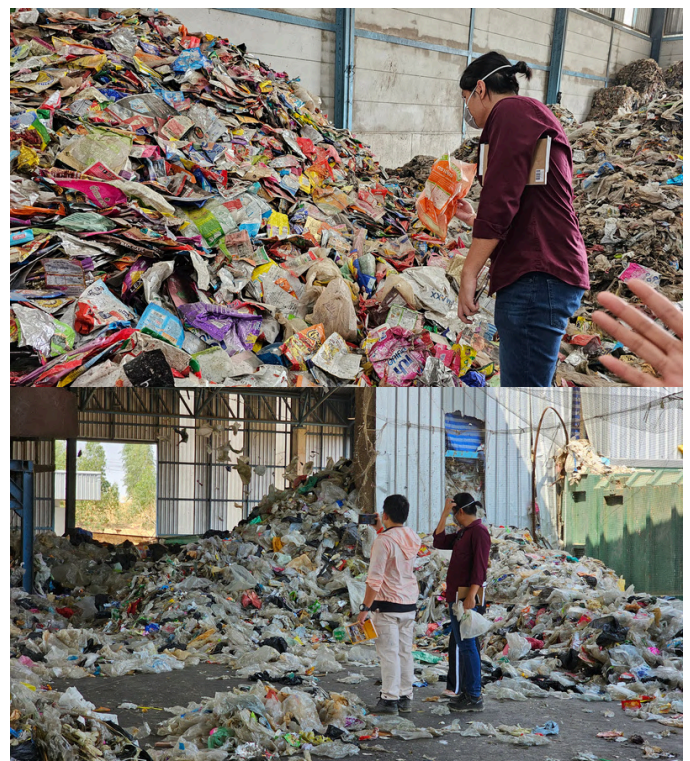
INSEE Ecocycle Joins Fullerton Outlook 2024

INSEE Ecocycle had the honor of being represented by Chief Executive Officer, Ms. Suchintana Viraratt, at the Fullerton Outlook 2024 - This year's theme "@Crossroads of Opportunities". She joined the panel discussion held at Pan Pacific Singapore with the distinguished panelists, which included Mr. Tan Huck Khim, Deputy Chief Investment Officer at Fullerton Fund Management, Professor Tae Yong Jung from the Ban Ki Moon Foundation at Yonsei University, and Mr. Mervin Teo, Director, Alternatives Fullerton Fund Management. The panel, focused on the topic "Accelerating Asia's Decarbonization Journey through Private Equity". During the insightful session, Ms. Suchintana, highlighted INSEE Ecocycle's sustainability mission and integral role in meeting customer needs and driving sustainability. The conversation underscored the rising awareness among customers about environmental issues and their unwavering commitment to achieving sustainability goals, including a strong call for climate action.

INSEE Ecocycle Collaborates with PRO Thailand Network to Visit Waste Segregation Facility for insights into MLP collection

INSEE Ecocycle and PRO Thailand Network (Packaging Recovery Organization Thailand Network), which represents a collaborative effort among the government, industry, and civil society, recently collaborated on a visit to a waste segregation facility, gaining crucial insights into municipal waste management, with a particular emphasis on multi-layered packaging (MLP).

The tour highlighted the importance of efficient sorting methods and emphasized the potential for resource recovery. Representatives from both organizations emphasized the value of collaboration in driving sustainable waste management practices. The initiative underscores a mutual commitment to fostering innovation and promoting a circular economy approach to waste management.





INSEE Ecocycle Joins Hands with Jardines Familympic 2024: Raising Environmental Awareness

On March 2, 2024, Jardines Familympic 2024 took place with great success, gathering 10 member companies (BUs) of Jardines Group in Vietnam. Not only was it a vibrant sporting event, but it also left a mark with meaningful environmental activities organized by INSEE Ecocycle.

- **"Classifying Waste Challenge" - Waste sorting challenge**

INSEE Ecocycle organized the "Classifying Waste Challenge" game to promote waste sorting awareness, engaging participants in sorting waste and answering questions for rewards. The accessible format attracted hundreds, fostering community environmental consciousness.

- **Waste management support towards a "Zero Waste" event**

INSEE Ecocycle closely coordinated with the Jardines Familympic Organizing Committee to manage waste effectively, including scientifically arranged bins, monitoring to prevent overflow, and setting up barriers to minimize waste overflow. Thanks to the joint efforts, INSEE Ecocycle collected 0.59 tons of waste, including 0.102 tons of organic waste and 0.488 tons of plastic and paper waste.

Jardines Familympic 2024, with the companionship of INSEE Ecocycle, is a testament to the commitment of Jardines Group and its member companies to protecting the environment, fostering community responsibility for a greener future. Achievements include heightened waste sorting awareness, successful waste management, and an environmentally conscious image for Jardines.

INSEE Ecocycle Continues to Accompany Customers in Processing HFC and PCBs Waste

In January 2024, INSEE Ecocycle further solidified its position as a pioneer in the field of hazardous waste treatment using green technology when it successfully and safely treated 184 kgs of HFC and 3,232 kgs of PCBs for customers.

HFC (Hydrofluorocarbon) is a synthetic refrigerant that contributes to greenhouse gas emissions and climate change. PCB stands for Polychlorinated Biphenyls, one of the 22 POPs in the Stockholm Convention that were forbidden by 2020 and must be safely disposed of by 2028 in Vietnam.

With our advanced co-processing technology in cement kilns, INSEE Ecocycle is committed to:

1. Thoroughly treating HFC and PCBs, ensuring safety for the environment and human health.
2. Strictly complying with legal regulations and international standards throughout the collection and treatment process.
3. Pioneering environmental protection, striving for a green, clean, and beautiful future for future generations.



In January 2024

184 kgs	3,232 kgs
HFC	PCBs

INSEE Ecocycle Presents at “ASEAN Waste to Energy week” and “Waste Management and Waste to Energy Asia Summit”

In March 2024, INSEE Ecocycle contributed to two events around waste management and waste to energy. From March 14-16, the "ASEAN waste to energy week 2024" took place in Ho Chi Minh. At the conference, Mr. Bruno Fux - Ecocycle & Sustainable Development Director, presented the potential of co-processing in Vietnam, showcasing as well the recent achievements of INSEE Ecocycle in the field. It was an opportunity to highlight the advantages of co-processing over incineration or landfilling. From March 20-22, the "Waste Management & Waste to Energy Asia Summit 2024" was hosted in Saigon. INSEE Ecocycle was honored to participate in a panel discussion to elaborate on the rising waste to energy market in Vietnam, and how co-processing can contribute significantly to a more sustainable waste management system in the country. It was great to witness the commitment from various stakeholders to reduce landfilling and make Vietnam greener and cleaner.





INSEE Ecocycle Wins Merit Award at CPM's Best Management Practicing Company Awards 2024

INSEE Ecocycle won the Merit Award at the prestigious Best Management Practices Company Awards 2024, organized by the Institute of Chartered Professional Managers (CPM) of Sri Lanka.

The Best Management Practices Company Awards 2024, organized by CPM Sri Lanka, celebrates the organizational growth and success of public and private sector companies and institutions in Sri Lanka.

These awards endorse the best practices in management, recognizing leadership, policies, strategies, people management, partnerships & resources, processes, and performances during the previous year.

INSEE Ecocycle's Merit Award specifically recognized efforts in 2023 to drive organizational performance through improved employee engagement. This resulted in showcasing unmatched dedication to sustainability and environmental conservation through improved TSR (Thermal Substitution Rate) and the highest-ever acceptance of Sorted Non-biodegradable Municipal Solid Waste (MSW) from across Sri Lanka.

INSEE Ecocycle Welcomes Western Province Waste Management Authority and Local Government Officials to Pre-Processing Facility in Katunayake

In the spirit of strengthening collaboration, INSEE Ecocycle hosted officials from the Waste Management Authority Western Province (WMA-WP) and Local Government-Western Province at its state-of-the-art pre-processing facility in Katunayake.

The delegation included the Chairman, Director, and Zonal Managers of WMA, along with representatives from WMA Gampaha and local government officers ranging from secretaries to commissioners, PHI, and Environment officers, among other officials.

During their visit, they received an insightful awareness session about INSEE Ecocycle's cutting-edge waste management services, highlighting the pivotal role in municipal solid waste management, followed by an eye-opening tour of our pre-processing facility. It was a fantastic opportunity for the officials to witness the important sustainable waste management operations. It helped foster stronger ties between INSEE Ecocycle and WMA, nurturing mutual trust and understanding.

INSEE Ecocycle is committed to collaborating with the WMA to extend this partnership further beyond municipal solid waste, particularly in plastics waste management. Leveraging its waste management expertise, INSEE Ecocycle aims to drive shared business growth. This visit signifies another milestone in the collective journey towards a waste-free Sri Lanka.



INSEE Ecocycle welcomes Western Province Waste Management Authority and Local Government officials



INSEE Ecocycle Partners with the Central Environmental Authority for Secure Disposal of Confiscated Polythene in Sri Lanka

INSEE Ecocycle, in collaboration with the Central Environmental Authority (CEA) of Sri Lanka, has taken steps to dispose of confiscated polythene through co-processing safely.

The CEA confiscated the polythene through regular crackdowns on traders and manufacturers who violated the low-density single-use plastic ban in Sri Lanka. The CEA supervised the safe disposal of the polythene through co-processing in the cement kilns.

INSEE Ecocycle regularly supports national initiatives of this nature, including the disposal of confiscated cocaine and heroin, PCB-contaminated transformer oil, etc. These actions demonstrate INSEE Ecocycle's standing as a trusted waste management service provider in Sri Lanka, further solidifying our relationship with regulatory authorities in the country.

INSEE Ecocycle Celebrates 21 Years of Excellence in Sri Lanka

INSEE Ecocycle Sri Lanka celebrated a remarkable milestone on March 21, 2024, marking 21 years in its sustainable waste management journey. INSEE Ecocycle has been at the forefront of pioneering sustainable waste management in Sri Lanka.

To commemorate this milestone, the INSEE Ecocycle team organized a series of meaningful activities, each to foster environmental stewardship and community engagement. This included a City Cleaning Program in Anuradhapura, collaboration with local authorities, an awareness session at Anuradhapura Central College, and E-waste collection at the Anuradhapura Urban Council. A review of the Municipal Solid Waste (MSW) collection progress aimed to inspire neighboring councils. A tree planting initiative at Ecocycle External Processing Yard, Puttalam Cement Works, aimed to enhance biodiversity. The unveiling of the Shredder Reject Crushing Machine signified another milestone in the journey. Finally, INSEE Ecocycle teams across Sri Lanka celebrated their achievements with formal cake-cutting ceremonies, symbolizing their dedication to excellence over the past two decades.



INSEE Ecocycle celebrates 21 years of excellence in Sri Lanka (2003-2024)



INSEE Ecocycle Hosts Regional EcoCert Boot Camp 2024

INSEE Ecocycle Sri Lanka hosted the Regional EcoCert Boot Camp 2024 at its pre-processing facility in Katunayake from March 11-15, 2024. The Boot Camp saw the enthusiastic participation of 23 members representing INSEE Ecocycle teams in Thailand, Cambodia, and Sri Lanka.

The EcoCert Boot Camp is a pivotal cross-country collaborative training program

under the EcoCert umbrella. It provides a pathway for individuals to become qualified EcoCert assessors (A0 & A1), empowering them to drive Ecocycle business excellence. Participants gain theoretical knowledge and on-site exposure within the context of INSEE Ecocycle's business landscape.

This event marks a significant milestone in our journey towards excellence. EcoCert represents a comprehensive assurance methodology tailored for INSEE Ecocycle companies in the group engaged in the waste management value chain. EcoCert is a cornerstone of assurance methodology within the INSEE Ecocycle group, providing a robust framework to assess and mitigate health and safety, environmental, and business risks.

INSEE Ecocycle, Sri Lankan Government and the United Nations Collaborate in Historic Effort to Safely Dispose of PCB-Contaminated Transformer Oil

A pioneering partnership between the Ministry of Environment, UNIDO, Ceylon Electricity Board (CEB), and INSEE Ecocycle has led to the safe disposal of 191 tons of PCB-contaminated transformer oil and transformers from outdated CEB facilities across Sri Lanka. As the sole Central Environmental Authority license-holder for hazardous waste management, INSEE Ecocycle managed the entire process, from collection to transportation and final disposal, adhering strictly to global standards.

Prioritizing safety, the INSEE Ecocycle team underwent rigorous training covering waste management, risk assessment, and emergency response procedures. Customized vehicles were deployed for safe waste transportation.

INSEE led the way in handling a major part of the PCB-contaminated materials consignment through co-processing. By safely disposing of PCB-contaminated materials, INSEE Ecocycle mitigated potential hazards in Sri Lanka, setting a precedent for hazardous waste management and global environmental stewardship.





Chip Mong Ecocycle Hosts Workshop with TAFTAC

On March 27, 2024, Chip Mong Ecocycle jointly organized a workshop with TAFTAC, Cambodia's largest association for Textile, Apparel, Footwear & Travel goods manufacturers, and Control Union, a leading global third-party verification body. The workshop aimed to educate factory representatives about the Higg Index.

The workshop targeted members of TAFTAC, particularly compliance managers from leading export-oriented factories in Cambodia who collaborate with top global fashion brands. The objective of arranging this workshop was to promote co-processing for targeting potential niche markets that adhere to the Higg Index.

Around 70 factory representatives participated in the event, which provided networking and collaboration opportunities. The event also fostered stronger ties between Chip Mong Ecocycle and TAFTAC.

Mr. Sanka Seneviratne, Head of Ecocycle, delivered a special presentation on 'Meeting Higg Index Environmental Requirements through Co-Processing for the Sustainable Textile, Apparel, Footwear, and Travel Goods Industry in Cambodia'. His presentation highlighted the benefits of co-processing in achieving sustainability goals within Cambodia's industry.

Chip Mong Ecocycle Welcomes Adidas Team for Co-Processing Insights

On February 29, 2024, Chip Mong Ecocycle welcomed the regional environmental and sustainability team from Adidas on a visit to the Chip Mong Ecocycle facility/Chip Mong INSEE Cement plant located in Kampot, Cambodia. This team is responsible for supporting Adidas suppliers across Southeast Asia, including Cambodia, in their environmental programs, ensuring that these suppliers' factories send their waste to Chip Mong Ecocycle as part of their efforts to improve waste diversion performance, a key performance indicator (KPI) for environmental sustainability.

The aim of their visit was to gain a deeper understanding of co-processing and to learn about Chip Mong Ecocycle's collaboration with Adidas supplier factories in Cambodia. This visit played an instrumental role in strengthening the relationship between Adidas and Chip Mong Ecocycle, while also establishing recognition for co-processing in Cambodia by a leading fashion brand such as Adidas.



Stopping plastic waste from entering the ocean starts with prevention

Prevention is paramount in addressing plastic waste, as once it reaches landfills, the risk of polluting water bodies exponentially increases. Approximately eight million metric tons of plastic enter the oceans yearly, wreaking havoc on marine ecosystems and biodiversity. However, plastic waste holds value and can be converted into Refuse-Derived Fuel (RDF), a sustainable energy source for cement kilns.

Co-processing RDF in cement kilns offers a Zero Waste to Landfill solution, eliminating certain plastics and reducing greenhouse gas emissions. Despite its benefits, obtaining RDF for co-processing poses challenges, particularly in regions lacking organized waste management systems. INSEE Ecocycle's MSW-RDF Project, initiated in 2017, aims to extract plastic waste from dumpsites for RDF production, overcoming obstacles like contamination risks.

To further unlock RDF's potential, INSEE Ecocycle introduced the RDF Drop-off program, collecting non-recyclable plastics, especially single-use items, to prevent their entry into landfills. This grassroots initiative promotes Zero Waste to Landfill activities and fosters greater public awareness. Collaborative partnerships, such as with Bank of Ayudhya, amplify program participation, ensuring successful implementation through education and waste segregation. By prioritizing prevention over reaction, we can effectively combat plastic waste disposal challenges and harness the full potential of RDF to mitigate environmental harm.



"Better Environment, Better Tomorrow"

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