




19/1/2017

Members of Advisory Committee on Recycling Fund visited NAMI on 19 Jan, 2017 in order to understand recycling technologies of different recyclables (i.e. food waste, plastics, glass and waste tyre).

Technical Visit - NAMI

Purpose

-  In order to introduce recycling technologies of different recyclables (i.e. food waste, plastics, glass and waste tyre) to recycling trades, a technical visit to NAMI was conducted on 19 January 2017.

Participants

-  **RFAC Members**
(Jimmy Kwok, Cary Chan, Richard Chow)
-  **33 Recycling Trades**
-  **Staff of Recycling Fund Secretariat**



- Conversion of Food Waste to Biodiesel

- Features :

- High production yield
- High purity
- Short process time



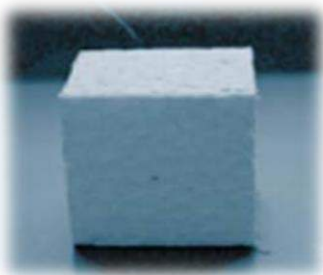
- Optimization of the conversion process from Food Waste to Fish Feed

- Features :
 - High nutrient content
 - High profit



Recycling Technologies

- Reduce volume of polystyrene foam during transportation and storage
- Features :
 - Environmentally friendly
 - Non-thermal treatment
 - High purity



Dissolved by
Limonene



Recovered by
extraction



Note:
CO₂ supercritical extraction technology

- Conversion of Glass waste to Tiles
 - Features:
 - Stain resistance
 - Resistant to bacteria
 - Low production cost (non-thermal process)



Recycling Technologies – Others

- Waste tyres → Eco-construction materials



- Waste tyres → Insulation coating



Recycling Technologies – Lab Tour



Recycling Technologies – Briefing and Discussions





Acknowledgment


Dr. Peter LEE, Chief Technology Officer, NAMI

Dr. Alice HO, Technical Manager, NAMI

Dr. Tin LAU, Project Leader, NAMI

Ms. Joey CHOW, Business Development Manager, NAMI





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