




**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).

## 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

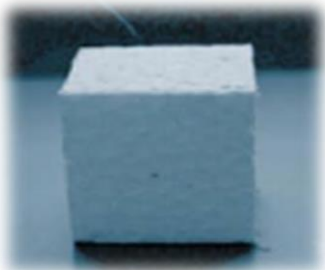


## - Optimization of the conversion process from Food Waste to Fish Feed

- Features :
  - High nutrient content
  - High profit



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



Dissolved by  
Limonene



Recovered by  
extraction



Note:  
*CO<sub>2</sub> supercritical extraction technology*

## - Conversion of Glass waste to Tiles

### - Features:

- Stain resistance
- Resistant to bacteria
- Low production cost (non-thermal process)



## - 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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