HVO Production in China – Latest Developments
ISCC Technical Committee - Waste, Residue and Advanced Low Carbon Fuels
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About ECO

- Focus on Waste and Low-value Feedstock Upgrading
- Clean Application in Fuels, Chemicals & Materials
- Wholly owned subsidiary of the Hong Kong and China Gas Group
Our Mission

Committed to innovation and environmental protection, through

- efficient use of resources,
- advanced applications of science and technology,
- superior construction quality and
- safe operations and management systems,

we render full effort to develop sustainable new energy businesses.
Our Business Platform

- Clean Coal Chemical Business
- Natural Gas/CBM Business
- Industrial and Bio Grease Business
- Agricultural Waste Business
- Infrastructure
Industrial & Bio Grease Business

Bio Grease

HVO Business Unit

Industrial Grease

Carbon Materials Business Unit
Our HVO Business Unit

- Our Patented Technology
- 100% Waste-based
- Pilot Plant at Zhang Jia Gang
- 1\textsuperscript{st} shipment in March
- Updated ISCC certificate and being ISCC member
A Better Environment for China

Our HVO
Waste based Feedstock

Fossil Diesel

>85% GHG Savings

GHG Emission (gCO$_2$eq/MJ)
Used Cooking Oil Availability

- > 40Mn tonnes of cooking oil consumed per year
- > 20% of world generation
- Only < 200 collecting points certified under ISCC
- Lack of supervision in most regions
- Major production units along the coast
- Total UCOME capacity: **1.2 Mn tonnes/year**
- Total HVO capacity: **0.2 Mn tonnes/year**
Increasing Attention from Government

UCOME Supply Chain in Shanghai
- 200 biodiesel fueling stations by the end of 2018
- 300 kt UCO to be collected

China Carbon Market
- 4 billion tons carbon reduction per year
- Targeted at over 24 industries, e.g. electricity plants

Government Support in China

Regulating UCO Applications
- Fines and imprisonment on UCO in food use
- Promote industrial applications, e.g. biofuel & plasticizer

Ethanol Gasoline Use
- Beijing- Tianjin-Hebei region in 2018
- 9 more cities in 2020
- Over 250 kt consumption per year in one city
Thank You

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