

100% Carbon neutral ! Agricultural Synthetic bio-oil business

By EcoPrana



- Synthetic bio-oil creation and utilization technology !
- Contribute to realizing a carbon-free society!
- ESG sustainable revitalization project !

Zero Environmental burden Synthetic bio-oil

By using a dedicated burner cone

- **100% carbon dioxide reduction !**
- **Over 50% cost reduction compared to heavy oil !**



100% carbon-free raw materials

Cashew Nut Oil (CNSL)

- **What is CNSL...**
Oil extracted from cashew nut shells
Effective use of waste
- Direct import of waste



Waste shell
Oil extraction

Reuse **more than 20%** of waste !

Super Nano Water

Energy does not change when water is added !

Natural Resources
Nano Water

Conversion
Activated water
Oxygenated water



- Technology fusion of natural materials and nano water !
- Sonochemistry: science and technology
Activate water and increase vibration !

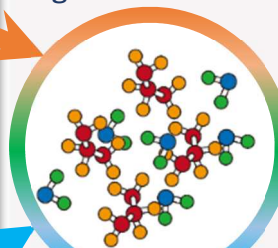
Synthetic bio-oil manufacturing

Synthetic bio-oil

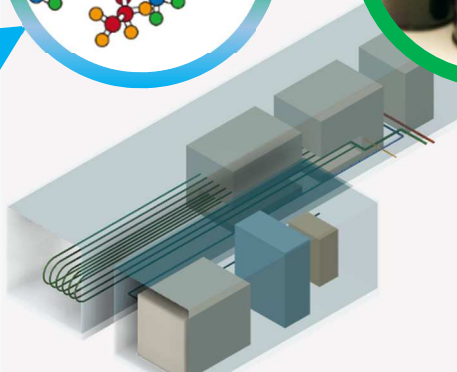
- **100% Carbon neutral!**
Biomass Fuel
- Green Energy

Oil and water miniaturization & chemical bonding process

- Complete chemical bonding technology of oil and water, completely different from general emulsion technology



Synthetic bio-oil
Agricultural fuel



- The manufacturing plant is a container all-in-one specification
- Synthetic bio-oil is an environmentally friendly fuel

Synthetic bio-oil is an environmentally

Zero CO2 emissions - Anywhere Boiler

- **Nano cycle combustion technology** using a dedicated burner cone. **100% reduction in CO2 !**
Zero environmental impact achieved!



- Complete combustion : Zero black smoke and CO2 emissions!
- Molecular circulation regeneration combustion : Infinite circulation of energy and amplification of heat !



- **Stockpiled and stable supply** in fuel tank

Perfect combustion

Molecular circulation
Complete combustion

Over 1600°C

Boiler Section

The dedicated burner cone generates more energy than the burner's performance, resulting in zero CO2 emissions !

Providing green thermal energy inside agricultural greenhouses !

Hydroponic cultivation
Hot water circulation

Agricultural greenhouse warm air heating

Heat pipes

