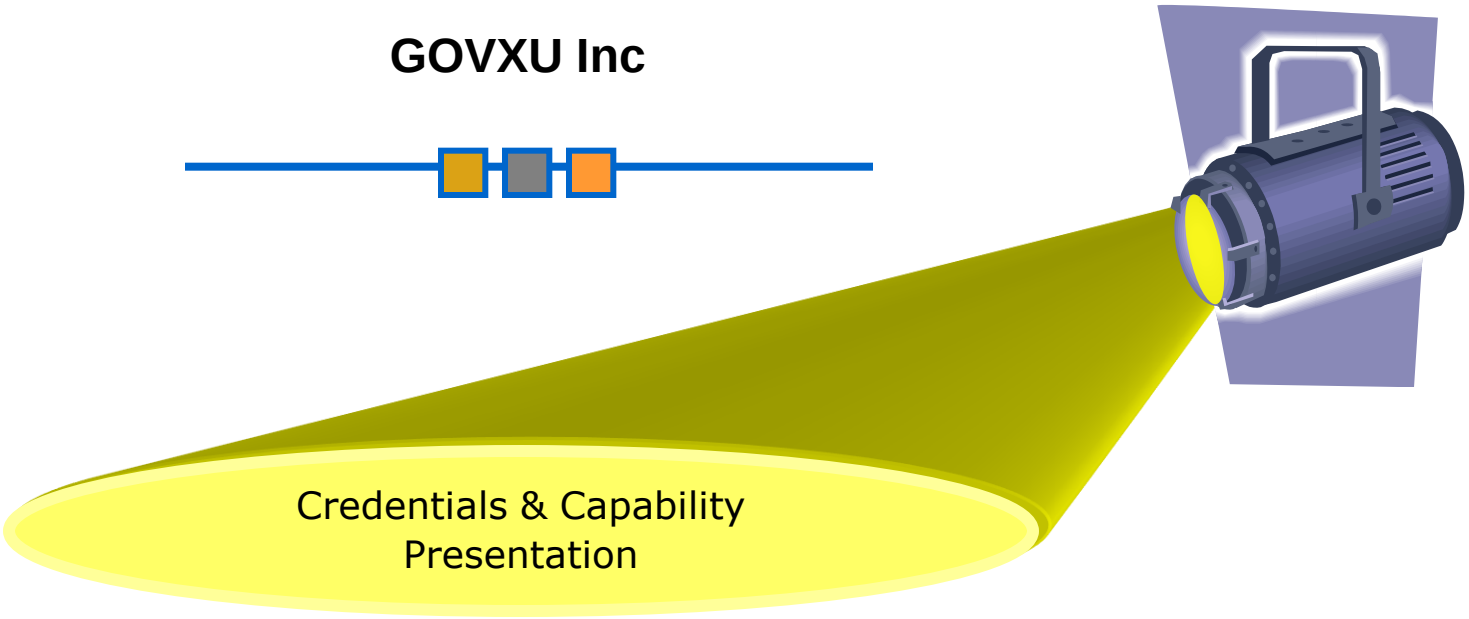
# GOVXU Inc



# Mission Statement

## *The next step in globalization*

**What does it mean;**

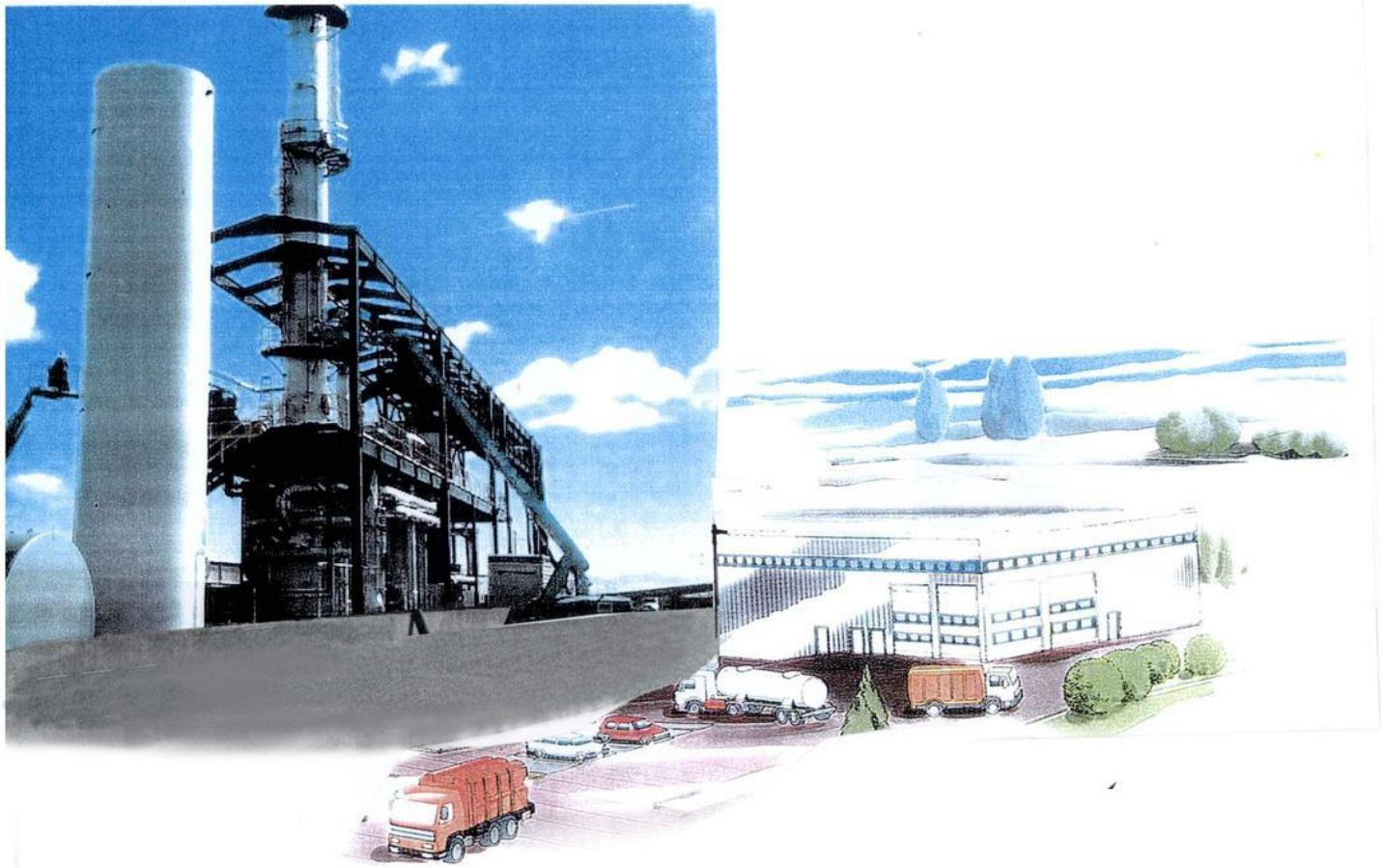
***GOVXU Inc provides strategy, management and service solutions to organizations struggling with the demands of today's global economy.***

***Today's global economy places demands on both private and public sectors in ways only imagined towards the end of the 20th century. International dependence of business has blurred the role of nations versus business. Today's successful businesses increasingly depend on international partners for innovation, cost containment, and market-share. Governmental agencies used to autonomy within their borders, are now finding compliance to foreign regulations and business standards can mean the difference between inclusion versus avoidance. GOVXU Inc was created to assist both Public and Private sector organizations bridge this gap. Through a series of globally accepted frameworks and industry best practices GOVXU Inc. is prepared to provide solutions to a 21st century global economy***

# Green Solutions

*Govxu green solutions provide organizations methods, products and strategies that work with the environment and increase competitive advantage. Our green strategy assesses the impact of governmental regulation, economic and social forces faced by today's globally integrated businesses.*

# An Overview



# Alternative Fuel Solution

**Fuel is commercial & urban garbage. Providing for a clean elimination of waste and revenue generation from waste elimination. The plants emissions comply with US domestic & international ecological standards**

**Crystalline catalysts**

**Diesel example**

**8,500 pounds of garbage an hour, produces 500 gallons of combined fuel at a total operating cost ranging from 0.60 to 1.50us a gallon. The plant process produces 2.5 Mega watts of power of which it consumer 1.5 mega watts, allowing for 1 mega watt of sellable energy. Estimated to run 400 US homes**

**Jet Fuel**

**Bunker Oil**

**Diesel**

**Electricity**

**Kerosene**

# Alternative Fuel Solution

## Source Materials

Pre-shredded

- Mixed plastics
- Mono-plastics (incl. PVC)
- X-PE
- Rubber Waste*
- Sewage and Biohazard Waste
- Light fraction from recycled cars
- Electronic Scrap
- Wood, timber, straw wastes
- Organic wastes
- And moreAny materials containing hydrocarbons
- Residues from agriculture, forestry and related industries;




# Our process

After 30 years of intensive research and development, our scientists and catalyst-specialists found a spectacular breakthrough in energy conversion. The process is the first economical and environmently friendly energy production, using a wide variety of waste products and renewable resources.

- CDP process simulates natural crude oil formation process in a pressureless boiler
- CDP process utilizes specially designed catalyst
- High quality fossil free fuels are produced (Diesel; Kerosene, and Bunker Oil)

**Catalytic Depolymerization Process (CDP)**

The process technology entails the cracking of carbon-hydrogen-molecules, with the assistance of a zeolitical catalyst, in a closed-liquid-circulating system. The diesel-gasses, generated in the circulating liquid, are separated in a distillation Column.

- Hydrocarbon molecules from the basic material are split under the impact of a catalytic converter inside a fluidity rotation unit in a 290° – 350° Degree Celsius hot oil suspension.
- The fuel vapour produced is seperated in a distillation column.
- The remaining waste will be discharged in a controlled manner.
- The efficiency is approx. **80%** of the hydrocarbon input material

**Pulverised inert material is separated by means of:**

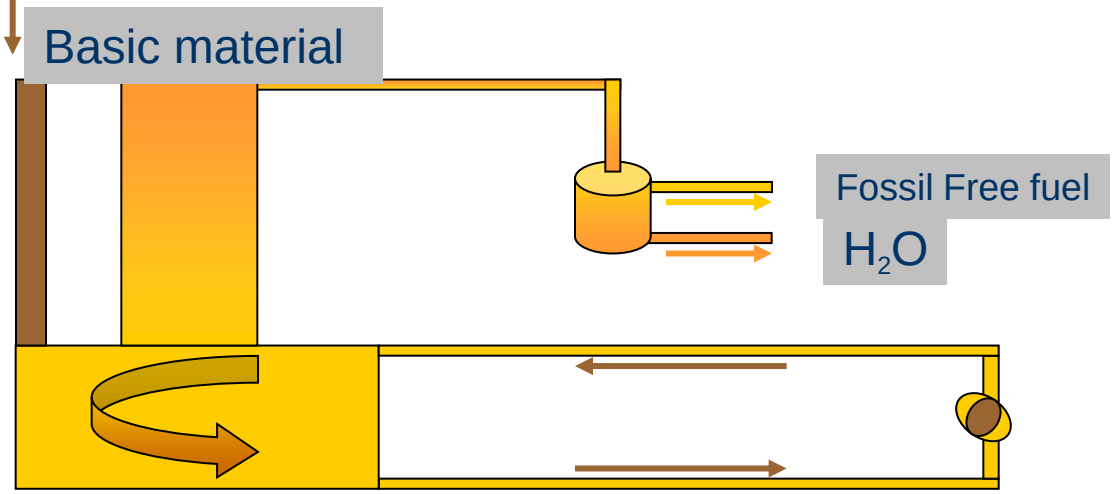
- Magnets
- Wind sifters
- Patented Front End system specially designed for our Application

# Our Process

## The principle

Using closed circulation the added basic materials are mixed with the catalytic converter. The catalytic converter splits the molecular chains; diesel fuel (steam) is released.

In the main section of the plant the basic material is mixed with the catalytic converter (in powder form). At temperatures between 290°C and 350°C the hydrocarbon molecules are split, the diesel steam can be distillated in the next section of the plant.




Catalytic converter and oil carrier is pumped into the distillation column.

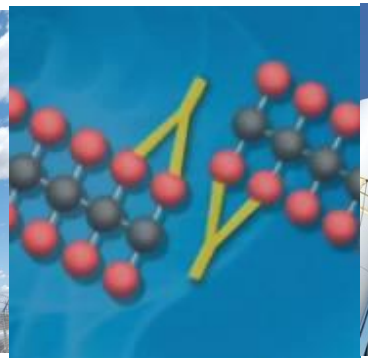
# Our process

*CDP (CATALYTIC PRESSURE-LESS DEPOLYMERIZATION ) for the Creation of Fossil Free Fuel (FFF)*

Input

GP-Cat-Catalyst

CDP Process



Fuel Vapor

Distillation


Liquid or solid input materials

↓

Material preparation

↓

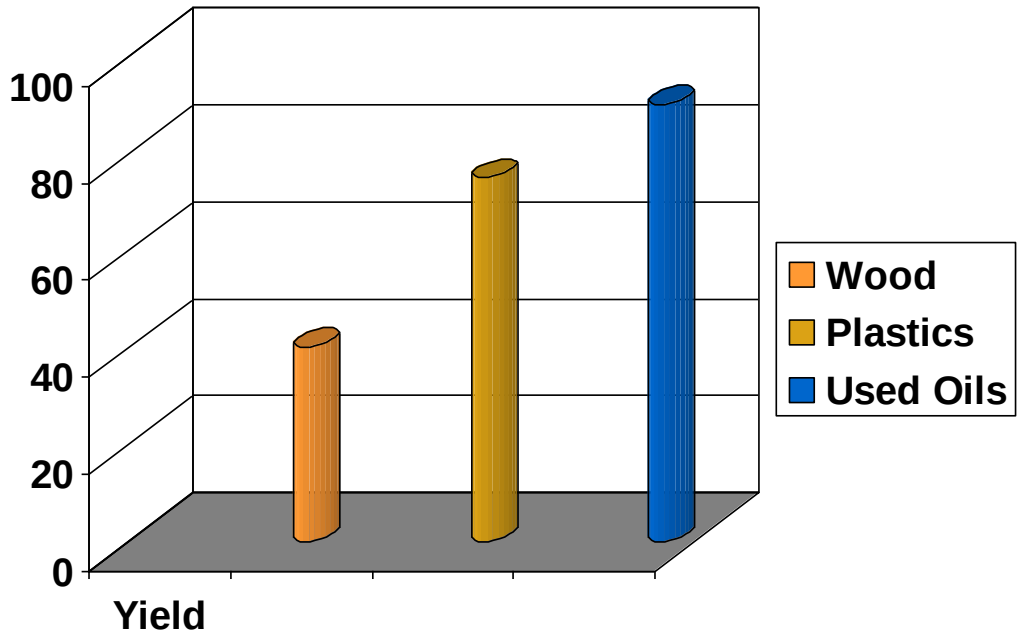
**Catalytic process**

↓

“Fossil Free Fuel”

# Our process

This transformation technology achieved the highest efficiency levels compared to all processes known, obtaining excellent energy output values.



# The Business Model

- Plant cost $20,000,000.00 F.O.B. United States. Manufacturer pays 50% & partner pays 50% per plant. Expenses & profits are shared 50% - 50% in joint partnership
- Shipments outside continental United States will be paid for equally by joint partnership
- Any applicable taxes will be paid by joint partnership of country of destination
- Plant operates on a 24 hour basis
- We estimate plant will be closed 10 days per year for maintenance as needed
- Plant processes 100 tons per day (24 hour period). To process 100 tons a day partner needs approximately 120 tons per day of raw MSW materials (20 tons est. metals, glass, moisture etc.)
- Plant produces 500 gallons of combined fuel per hour (12,000 gallons every 24 hours) at minimum (guaranteed in contract)
- Roughly plant will produce 40% diesel, 20% bunker oil 20% kerosene & 20% aviation fuel (these are percentages of usable fuels, percentages will vary based on an average garbage mix)
- Gases not marketable are redirected to jet turbine & used as additional fuel source to run turbine engine & not burned by flame
- Plant emits near zero Greenhouse gases
- Plant can process any and all materials except metal, ceramic, stone, glass & radioactive materials
- Acceptable moisture percentage is up to 16% average
- Through separation process plant will provide metals & glass for recycling.
- Cost per Gallon of Diesel produced averages 1.50 US$ without Government subsidies.
- Elimination of almost all environmental pollution through inorganic transformation of harmful substances into salts and crystals, based on the ion changing characteristics of the GP-Cat, our proprietary Catalyst.

# The Business Model

- Plant is self sufficient. This means that plant produces all electrical power to operate & will have an average of 1 mega watt of power left over in 24 hours that can be sold to local power company. The turbine generator (standard) produces approximately 2.5 mega watts per day (24 hours). Do keep in mind that that we can provide a smaller generator or larger depending on clients preference.
- Plant comes with switching gear that enables it to run off of local electricity if problem/maintenance with generator; can run strictly on power of generator & turning off local electricity or redirect used power to local grid.
- Residual liquids are distilled water that is used in the cooling system of plant. Unused water is discharged. The water is distilled and therefore has no pollutants or contaminants.
- We estimate that plant will be shut down for maintenance purposes 10 during 1 year (as needed).
- Included with the plant are the  shredder, autoclave, processing plant & fuel farm, building/enclosure for turbine generator, electrical room & operating room.
- At minimum plant can be operated with 3 man shifts three shifts per day (24 hours). Additionally will need supervisor & administrative personal.
- From time contract is signed & deposit put into escrow account with attorney we can manufacture & have ready for shipment in 10 months. At this time we have only two plants that can be delivered by end of this year. Funds in deposit with contract will not allow anyone but person/company to have access to this money. Partner has exclusive right to back out of contract within 90 days or amount of time agreed upon by both parties. All funds plus accumulated interest would be returned to partner with no penalty. Partner has right to back out of contract within stipulated time & not held liable for any reason.

# The Business Model

This transformation technology achieved the highest efficiency levels compared to all processes known, obtaining excellent energy output values.