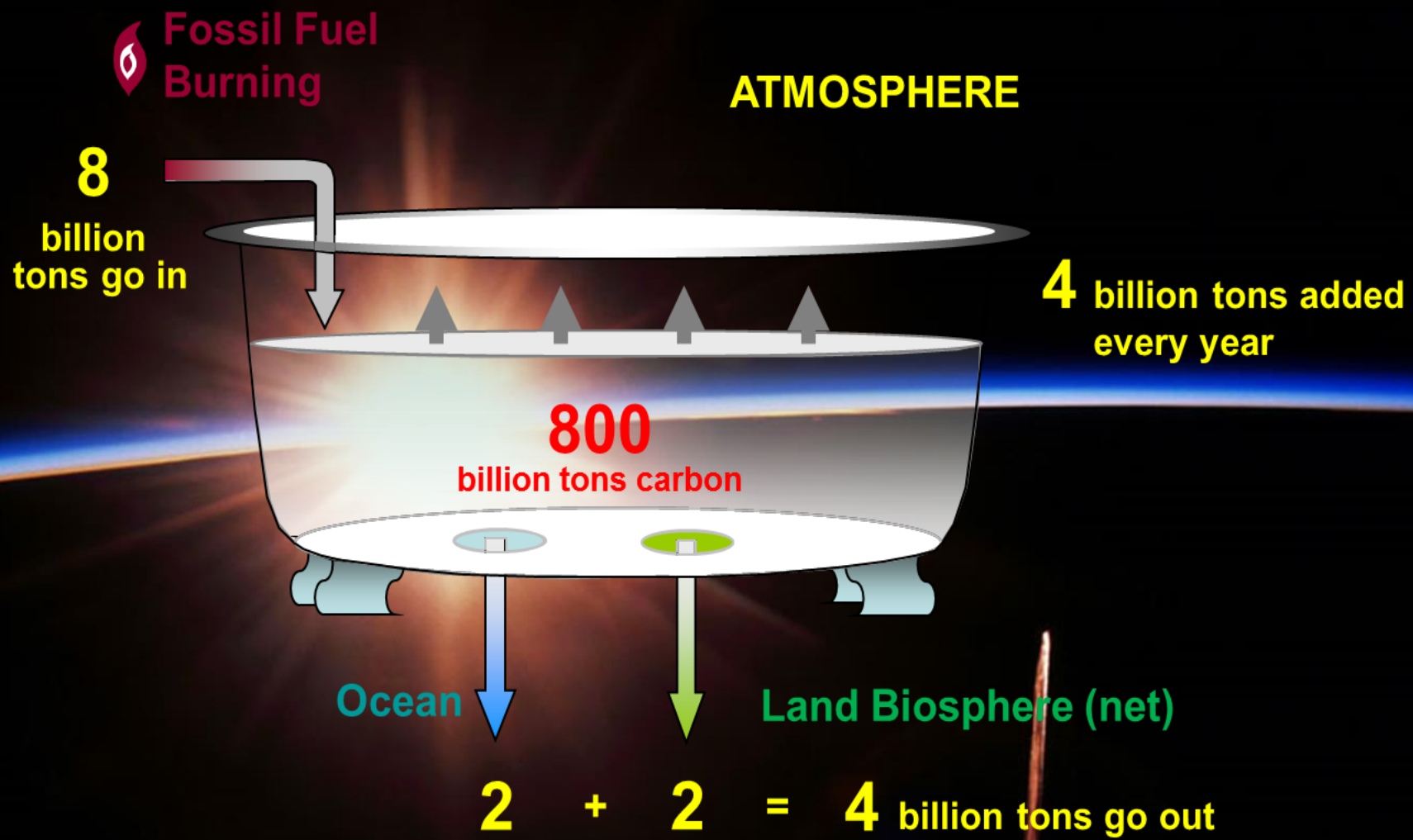




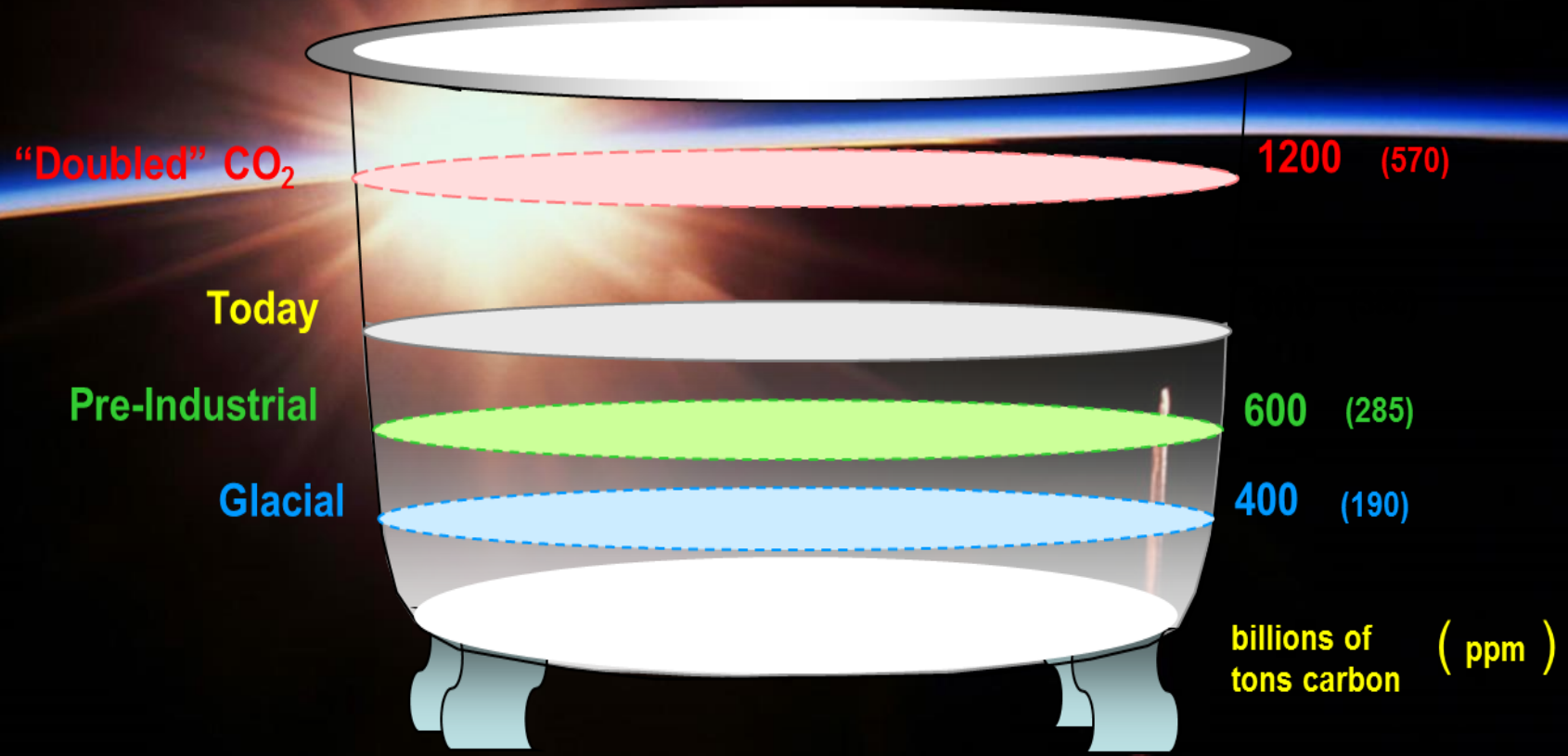
# **INNOVATIVE GREEN ENERGY PLANT REVOLUTIONARY ENZYMATIC TECHNOLOGY**

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2 BT Absorbed by Ocean  
2 BT Absorbed land  
and 4BT go out in Atmosphere

# ATMOSPHERE



# Ideas to avoid emitting CO<sub>2</sub>

## Energy efficiency uptake needed

There are hundreds of technologies available” but not yet taken up by most businesses even though short term paybacks are often the result..

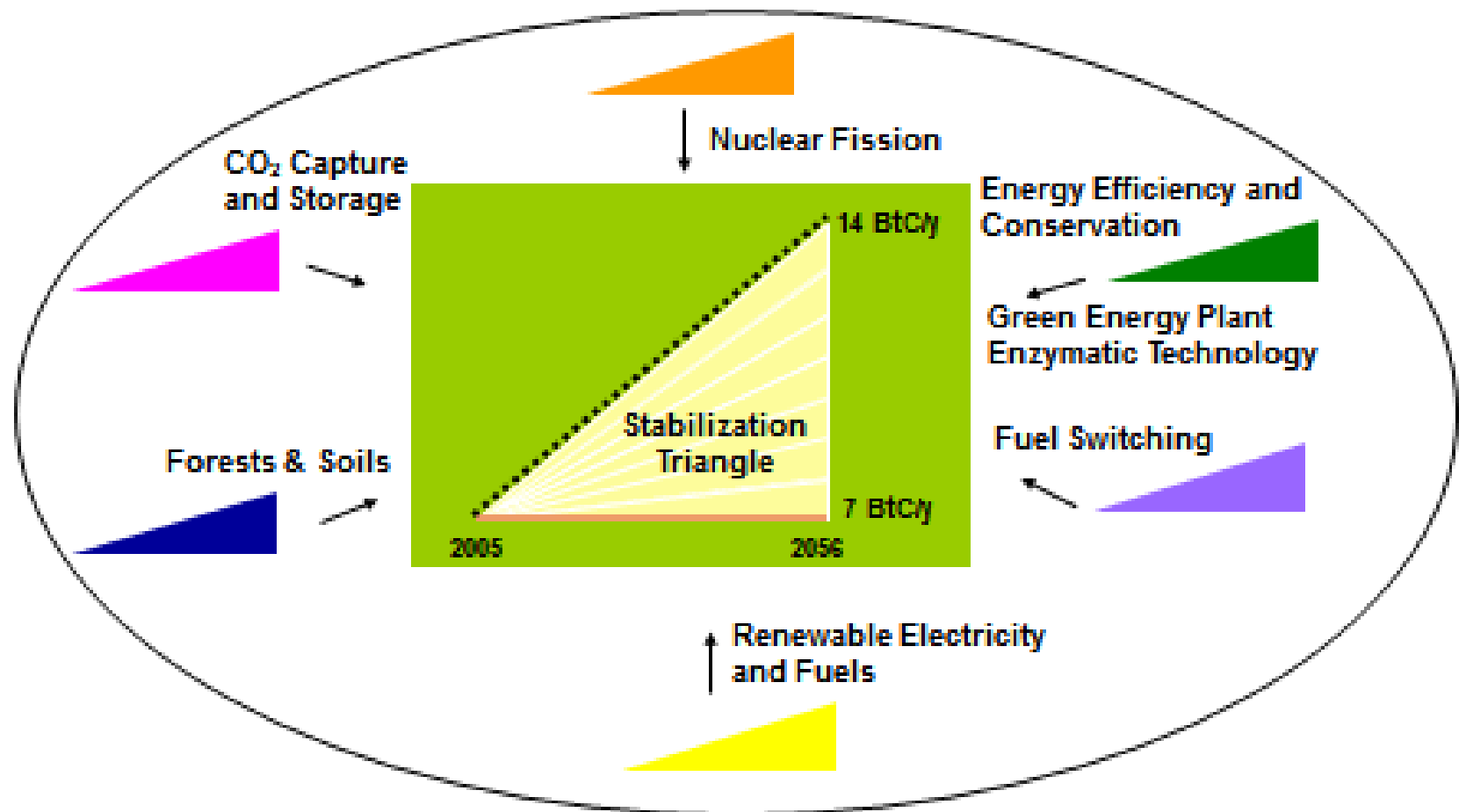
## Save electricity - especially in Australia

In NZ 1 kWh releases only around 50 g C

In Australia 1 kWh releases around 250 g C

But our GHGs have increased over 22% since 1990.

# What are the options?



# Effort needed by 2055 for a wedge

## Solar energy

Install 700 times the current capacity of solar electricity



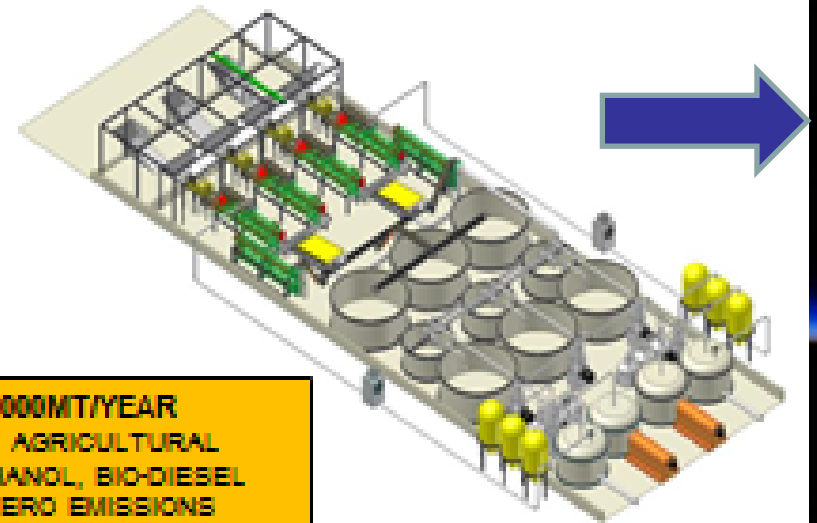
## Fuel switching

Replace 1400 coal-fired power stations with natural gas

# Effort needed by 2056 for a wedge

## Wind energy

Install 2 million 1MW windmills, covering an area the size of NSW Today: 40,000 (2%)



**PLANT CAPACITY OF 50,000MT/YEAR FOR THE CONVERSION OF URBAN, AGRICULTURAL AND INDUSTRIAL WASTE INTO ETHANOL, BIO-DIESEL AND ELECTRICAL ENERGY, WITH ZERO EMISSIONS INTO THE ATMOSPHERE**



## Energy Efficiency

Double the fuel efficiency of 2 billion cars from 12 to 24 kilometres per litre

# INTEGRATION OF THE PLANT

- ❖ The plant will operate through the use of four technologies developed for the purpose of promoting the quantity of energy that can be extracted from everyday waste, including the humid part, generated by citizens.
- ❖ The object of the plant is to unite the achievable results with the maximum efficiency of the energetic contents of urban, agricultural and industrial waste, in compliance with the territory where the plant is positioned, following the conversion of the mentioned wastes without priming thermal cycles from which polluted emissions will be produced and will pour on to the surrounding environment



# SYNTHESIS OF THE PLANT

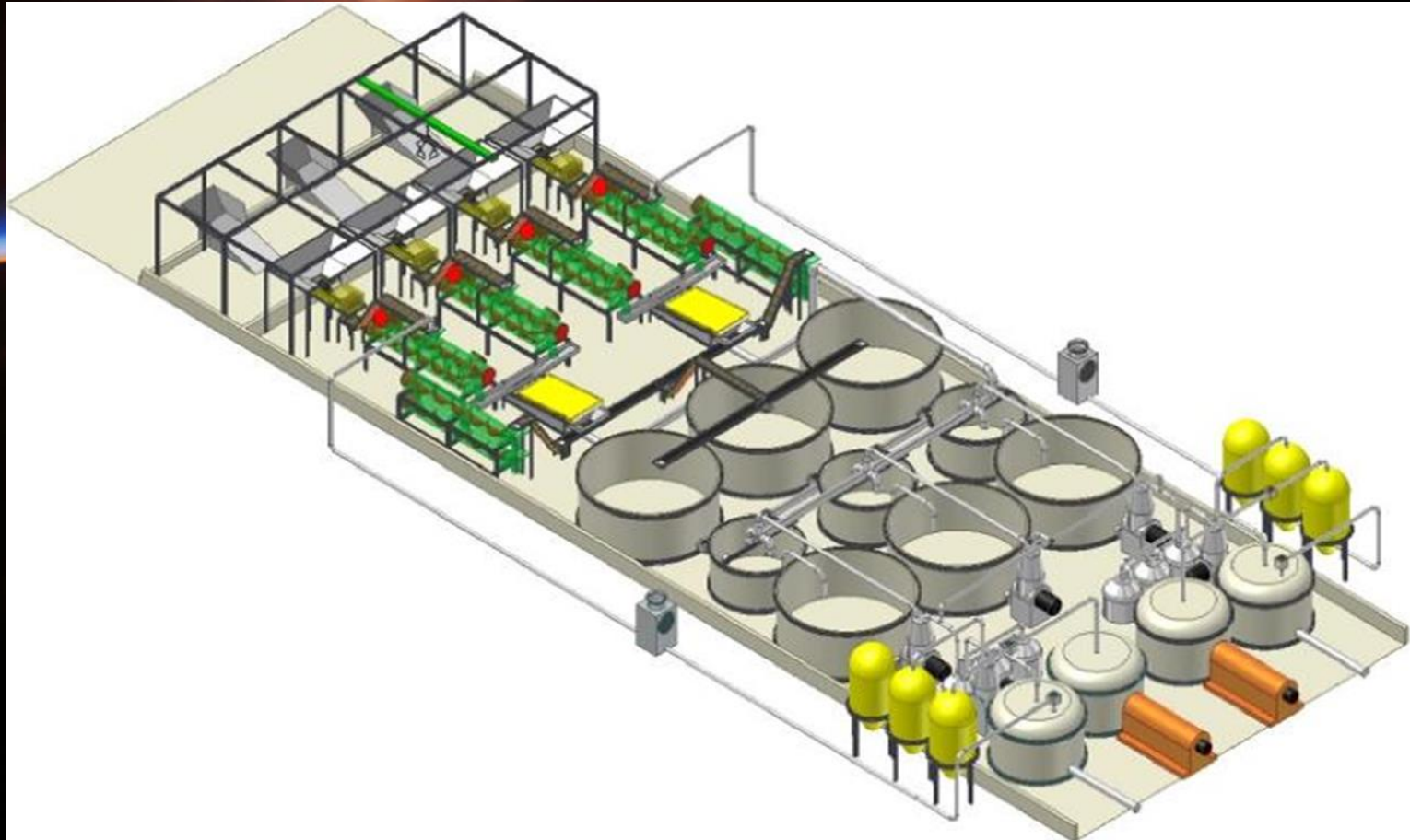
- ❖ This project is different from any other system of developing energy from urban, agricultural and industrial waste (Waste to Energy Plant).
- ❖ The use of this technology will allow the execution of all the conversion processes in an anaerobic environment, that is without contact with the atmosphere and at temperatures of around 40 -50°C.

**This plant is more than being a system dedicated to waste disposal.**

- ❖ The plant will be a true and proper bio-refinery from which can be extracted a series of high-added value products;
- ❖ In particular automotive Fuels and/or Electrical Energy ,
- ❖ animal feed,
- ❖ agricultural fertilizers
- ❖ Biomedical products, all of which will create an interesting, economical

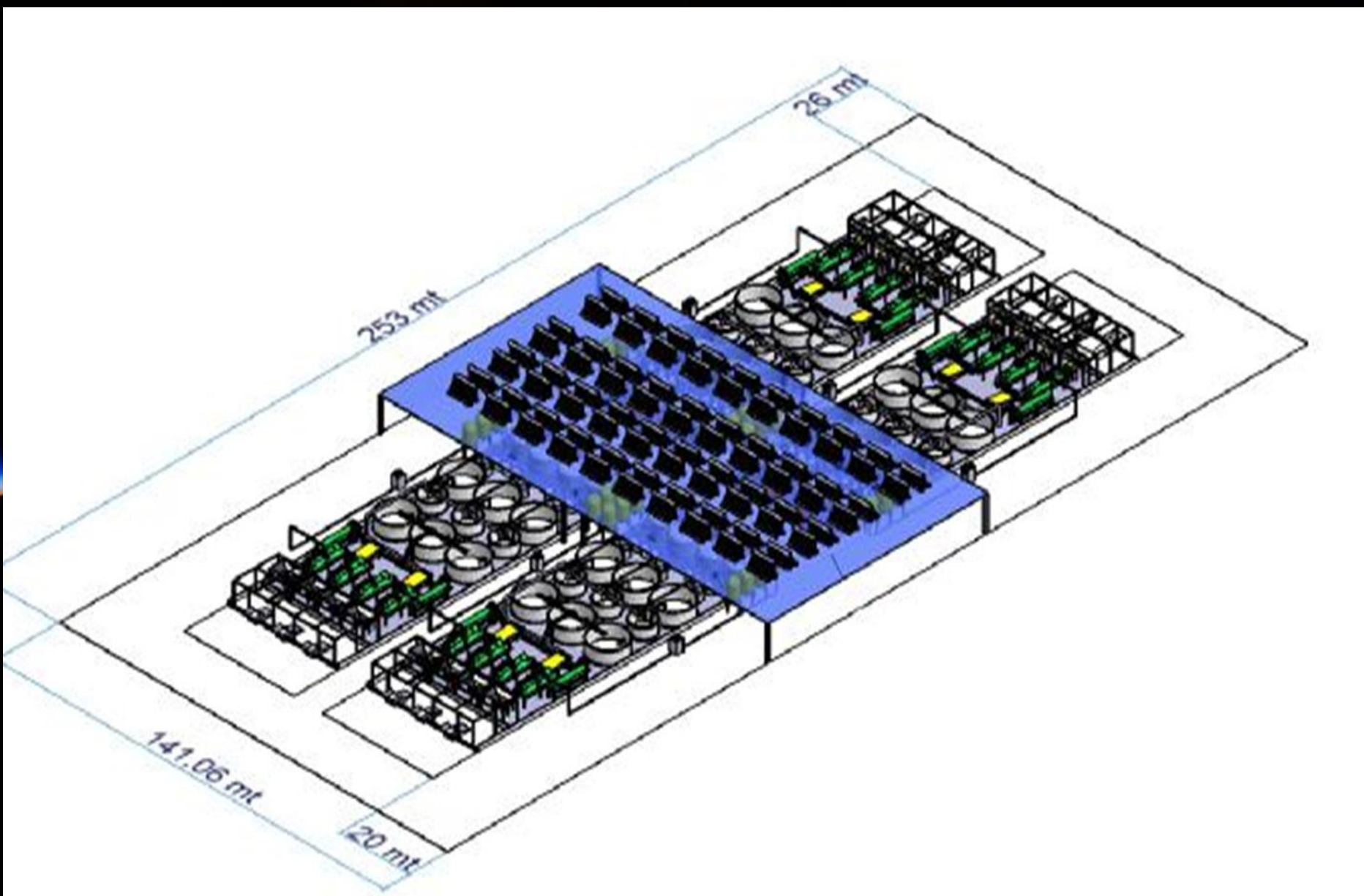
# INNOVATIVE GREEN ENERGY PLANT REVOLUTIONARY ENZYMATIC TECHNOLOGY

For the conversion of urban agricultural and industrial waste into (Ethanol),  
Bio-Diesel and Electrical energy, with zero emissions into the atmosphere



**PLANT CAPACITY OF 50,000MT/YEAR**





**Plant of 300,000MT/Year also available**

**Thank you**

