



ECB
GROUP

Aviation CO2 Reductions
Seminar – ICAO

THE ENTREPRENEUR: ERASMO CARLOS BATTISTELLA

- Graduated in Business Administration and Agriculture;
- More than 20 years of experience in Fuels, Oil, Gas and Agro Energy operations;
- Founder of BSBIOS in 2005 and CEO since then;
- Founder and CEO of ECB Group;
- Co-Founder and President of the Association of Brazilian Biofuels Producers (APROBIO);
- Among the 100 most influential people in the Brazilian agribusiness sector, according to magazine "THIS IS MONEY" 2013 until 2017;
- Young Leadership Award for Agribusiness – 2012;
- Guri Trophy - Awarded by the RBS Group – 2013;
- Trophy the Equilibrist - Awarded by IBEF / RS – 2018.

About ECB
Founded in 2011

A Holding aiming at results, leadership and sustainability



The ECB Group, is a holding company which controls the businesses owned by the CEO and founder, Erasmo Carlos Battistela. Its nature is entrepreneurial and has leadership role in the markets where it is present.

The group is known by its compromise to promote businesses that contribute to a more sustainable planet without losing the focus on results and return on investments.

The market segments in which they are most active in, is the traditional and advanced sustainable biofuel industry as well as in the agribusiness.

Over the last 15 years, the ECB Group has managed seven businesses in various segments, always achieving good results thus strengthening the groups performance as a whole.

In 2020, the companies controlled by the holding, had a revenue of more than 05 billion Reais.

Timeline



2021  Omega
Green

Notice-To-Proceed (NTP) e
beginning of construction.

 Omega
Green 2024

Commercial Operation Date (COD).

2º Half 2024

 Omega
Green

The Project



Green diesel (HVO)

Omega Green is an integrated complex to be located on Villeta, 45 km South of Asunción/ Paraguay, dedicated to the production of Renewable Diesel (HVO) and Renewable Jet Fuel (SPK). The complex will be the first advanced renewable fuels plant in the South Hemisphere.



20,000 barrels / day of installed HVO production capacity, equivalent to ~ 275 million gallons / year.



3,000 jobs will be generated during construction and **2,400** direct and indirect jobs during the operation.



~**US\$ 800 million** total investment
~ **US\$ 1.0 billion** in projected annual revenue



20,000+ families of small farmers and collectors will benefit from the added feedstock demand



Favorable tax regime, the plant will be installed in a free zone



First half of 2024: Operation date

Origination Objectives

By type of Raw Material

Oils, fats and waste products

Participation by time of product:

Vegetable oil

60%

Origin: Paraguay, Brazil, Bolívia

Animal Fats

35%

Origin: Paraguay, Argentina, Brazil, Peru, Uruguay

UCO

5%

Origin: Argentina, Brazil, China

Omega Green Advanced Biofuels

The use of advanced biofuels is a direct action in reducing the emission of greenhouse gases, as they emit up to 85% less compared to fossil fuels

Green Diesel can be used as a direct replacement for Fossil Diesel, in any proportion



Aviation Kerosene can also be used as a direct substitute for fossil products, in any proportion



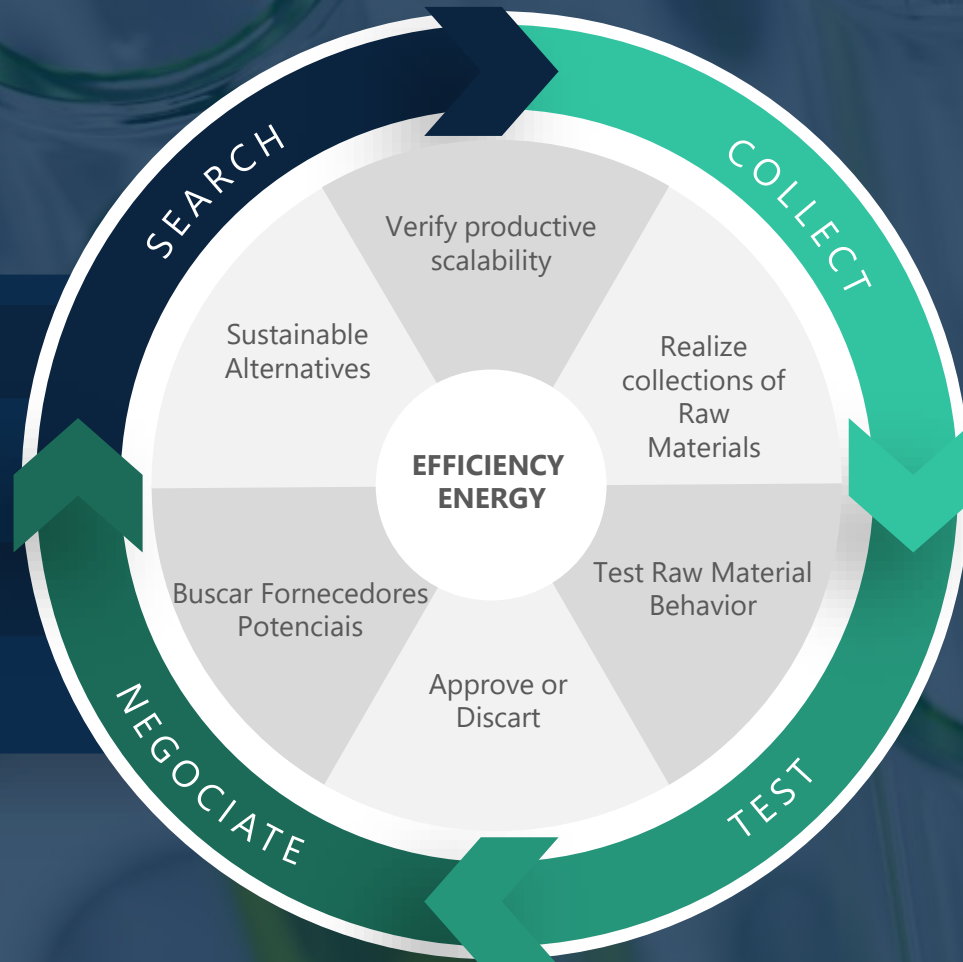
Constant demand from the petrochemical industries, which are increasingly working on the development of Green Plastic



Responsible of Omega Green Certification



Constant search for more and more **Sustainable** alternatives



Vegetable Oil

- ✓ **Carinata**
- ✓ **Pongâmia**
- ✓ **Soybean**

Fats

- ✓ **Fat residues**
- ✓ **UCO**

Immediate Alternative: **CARINATA**

- Canola**-like management
- Frost** tolerant
- Mechanized** Handling
- Non-eating vegetable oil**
- 5Kg** seeds/ha
- 48%** Oil Yield
- 1.800Kg/ha** Productivity

High Impact Alternative: **PONGAMIA**

- High Carbon **sequestration capacity**
- Can be **combined with cattle**
- No** Fertilization Required
- 50Kg** seed per tree
- 10,6** liters of oil

Next Steps



Commercial Operation Date (COD).



The **Construction is scheduled** to start in First Quarter 2021 and the plant is expected to **start operating in the first half of 2024.**

Contact

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***"WE BELIEVE,
TOGETHER WE CAN BUILD A
WORLD, GREENER AND MORE
SUSTAINABLE."***

Thank you

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