



Estocolmo
Event



Omega
Green

Presentation

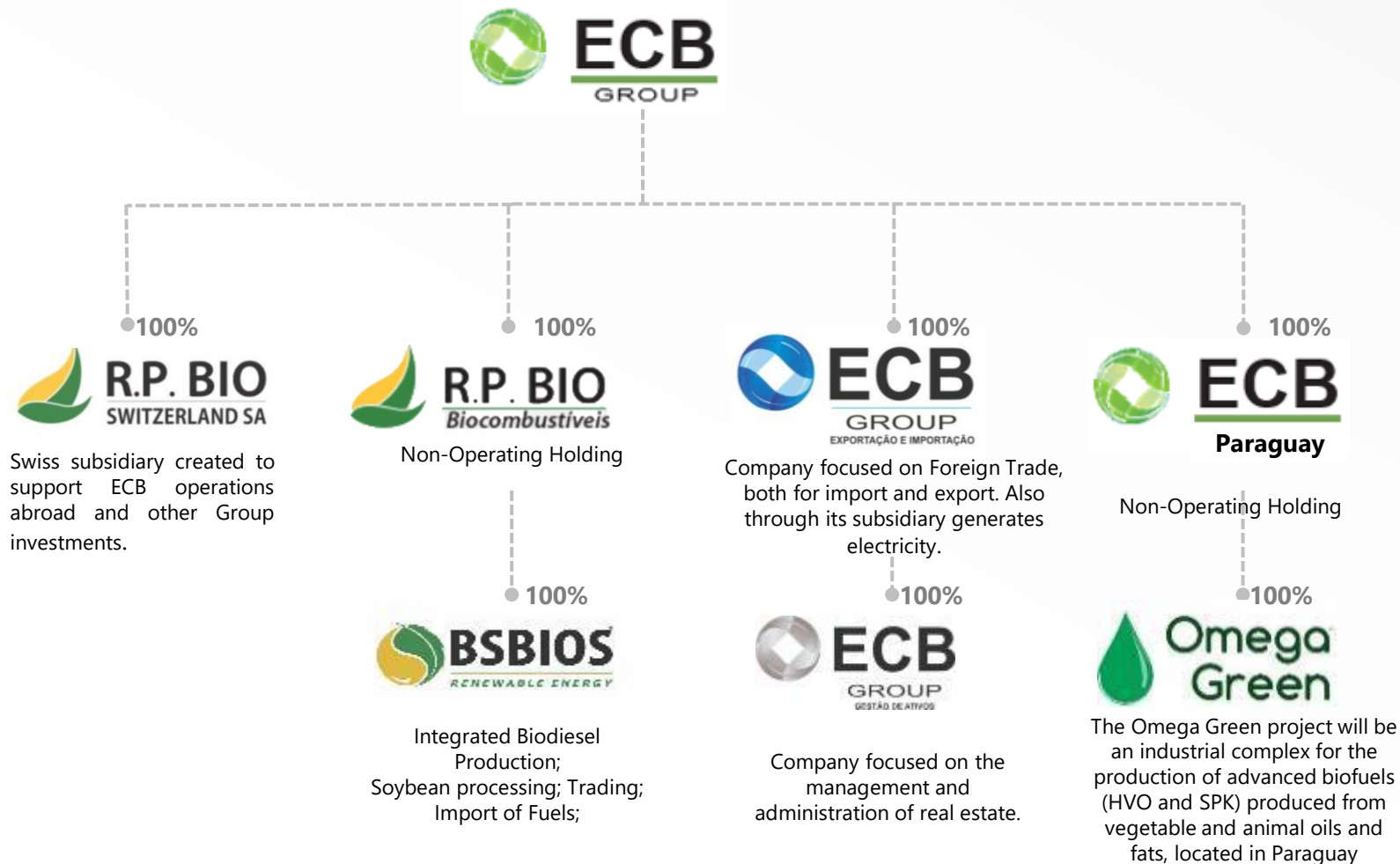


THE ENTREPRENEUR:
ERASMO CARLOS BATTISTELLA

- 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.

ECB Group

The ECB Group is a Brazilian Holding Company managed by the Businessman Erasmo Carlos Battistella, created to invest in companies in the Biofuels, Renewable Energy and Agribusiness Segments. ECB controls BSBIOS, the largest biodiesel producer in Brazil, with plants in Passo Fundo/RS and Marialva/PR.



About BSBIOS

Stablished in April 15th 2005

Biodiesel: 2.300 m³/day

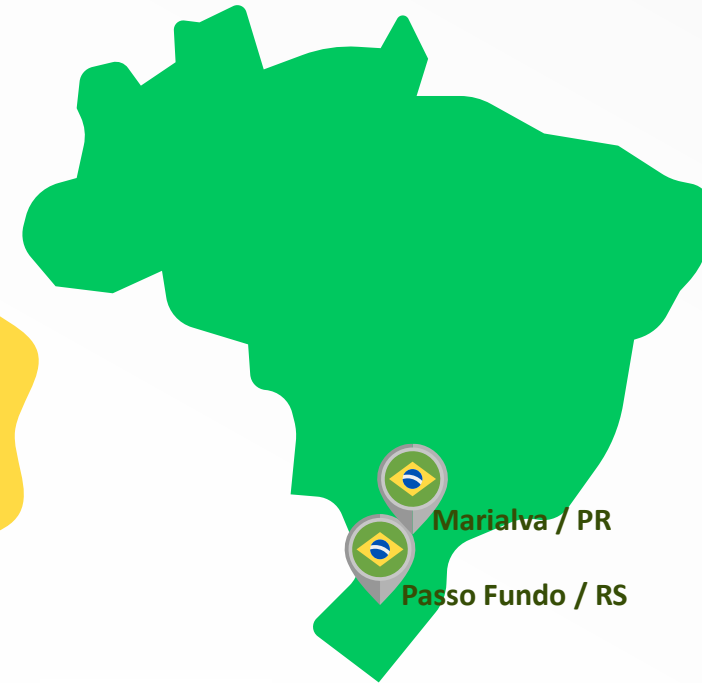
- 828 million liters of biodiesel per year
- Raw Material: Soy and Animal Fat.
- More than 421 direct jobs and 80 indirect Jobs.
- Grain Processing in Passo Fundo/RS: 3.200 ton / day
- Two producing industries: Passo Fundo/RS and Marialva/PR



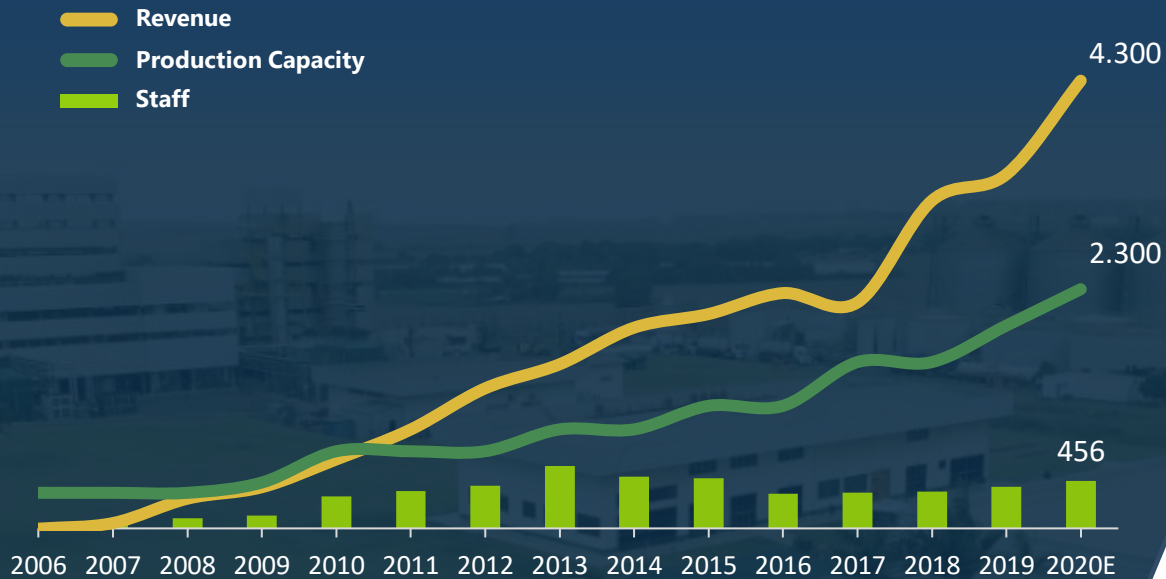
➤ **2.300 m³/day**
Production Capacity 2020

➤ **R\$3.4 bi** ➤ **R\$4.3 bi** **26,4%**
Revenue 2019 Projection 2020 ▲ 20 x 19

➤ **456**
Employees

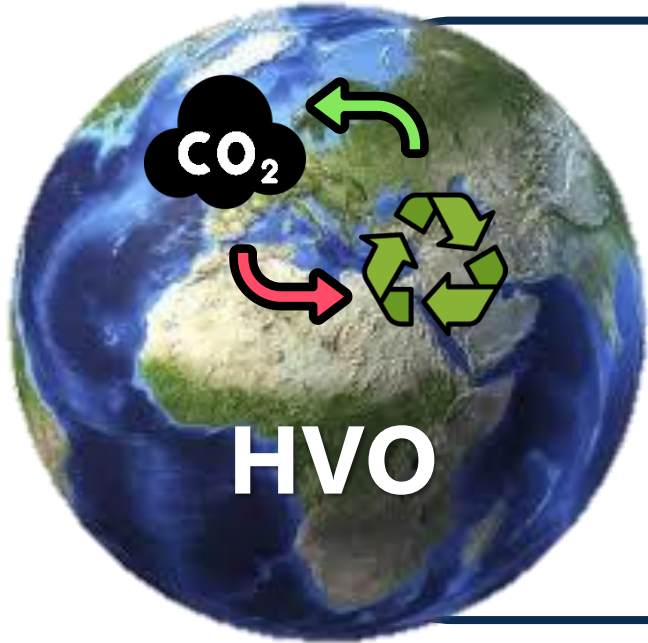


Brazilian Market 2020
7.6bi liters



Advanced Biofuels

They provide sustainable solutions for the planet and reduce greenhouse gas emissions. **They represent an important step in the search for sustainable fuel** for the 21st century world.



Priority in Big Cities



Estocolmo



London



São Paulo



Paris...

Traditional Vehicles & Hybrid Vehicles



Is this the solution?

What is the sustainable effect of the electric car production chain, starting with the production of minerals Ore until the disposal of batteries?

What is the origin of electrical energy used?

Electric Car



SPK



Advanced Biofuels in the World

Development of Biofuels of the 2^a Generation in the World

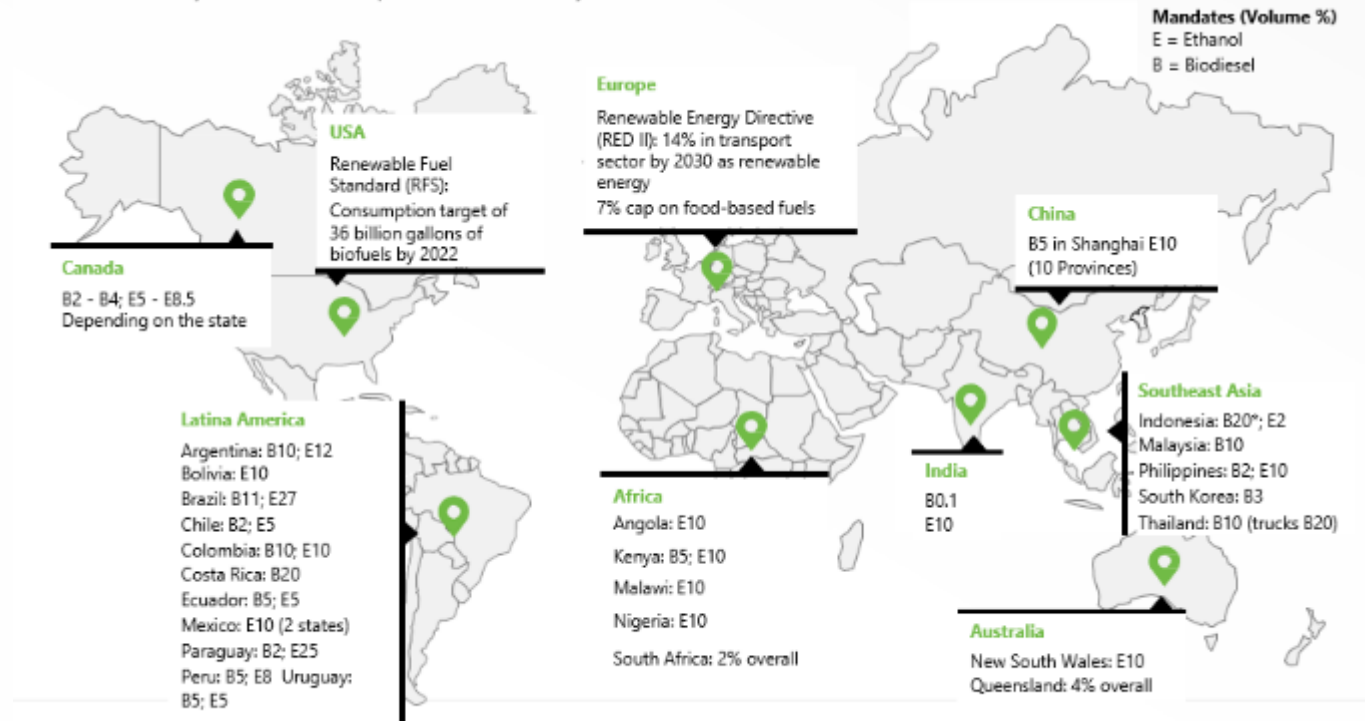


Mundial Vision to the Green Diesel

DIESEL + BIODIESEL + HVO

Renewable fuels today

Demand for renewable fuels is driven by decarbonization of transport and rural development and is driven by ambitious targets and mandates for biofuels (mandatory blends) worldwide. In this environment, Renewable Diesel and Renewable Aviation Fuel will be indispensable to combat climate change and meet the GHG reduction targets.

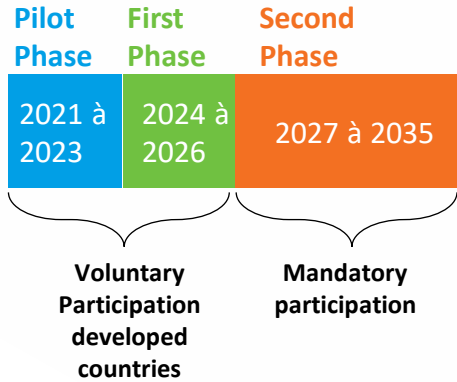


Source: IUFOP

*Indonesia Target for 2020: B30

Advanced Biofuels in the World

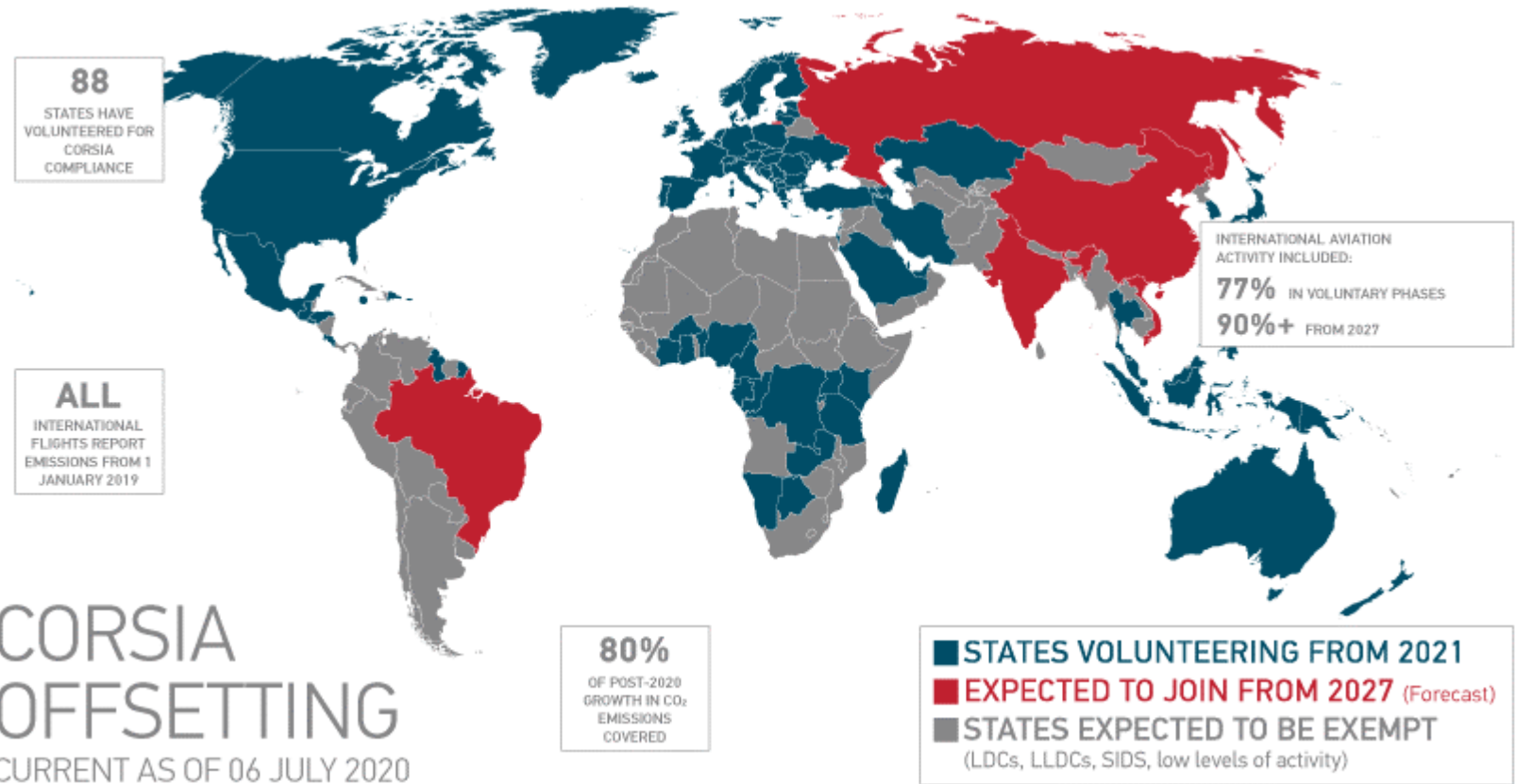
CORSIA



CORSIA 2027:

Focus on reducing emissions from the global airline industry, resulting in increased demand for SPK in the world.

From 2027 onwards, they will be required to carry out emissions below what was done in 2019, through the use of biofuels or by buying carbon credits for emissions carried out above the base year.





ECB
GROUP



Omega
Green



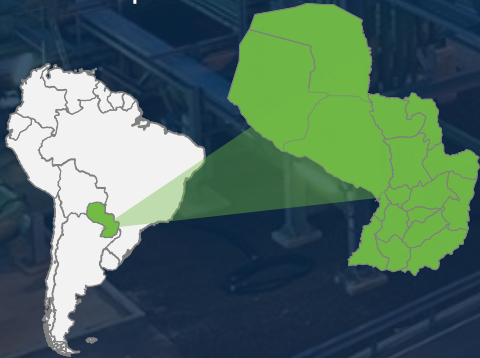
September, 2020

The Project

Daily Production

HVO/SPK: 20k barrels/day

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 fuel plant** in the South Hemisphere.



~ **US\$ 800 million** total investment



~ **US\$ 1.0 billion** in projected annual revenue



~ **US \$ 8 billion** increase in Paraguay's GDP over 10 years



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



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



Second half of 2023: Operation date

Project life Timeline

- ECB Group has signed a great commitment with the Government of Paraguay.
- ECB Group has signed a great commitment with the Government of Paraguay to develop the first advanced biofuels plant in the southern hemisphere, the Omega Green Project.



- Pre-Feasibility Study presentation at Palacio de Los López, Asunción. Feb 2019



- Financial advisors hiring



- Free Trade Zone granted to Omega Green Project.

- First contact with the Embassy of Paraguay in Brazil and first ECB Group visit to Paraguay.

Aug-Sep 2018



Nov-Feb 2019

- Development of the Pre-Feasibility Study.



Sep 2019

Oct 2019

- Equipment Supplier and EPC companies contracted.



Dec 2019

Jan-Jul 2020



- Off-taking negotiations and term sheets.

Origination Objectives By Type of Raw Material

Oils, fats and waste products

Vegetable oil

60%

Origin: Paraguay, Brazil, Bolivia

Animal Fats

35%

Origin: Paraguay, Argentina, Brazil, Peru, Uruguay

UCO

5%

Origin: Argentina, Brazil, China

Participation by Type of Product

Constant Search for Alternatives Even More Sustainable



- ✓ **Sunflower**
- ✓ **Canola**
- ✓ **Carinata**
- ✓ **Corn Oil**
- ✓ **Fat residues**
- ✓ **UCO**
- ✓ **Among Others...**

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



High Impact Alternative



A crop originating in India, It is a leguminous species (from the same family as soybeans)



High carbon sequestration capacity



It is not considered an invasive species



Genetic bases of culture are from India, Australia and the United States



Species adapt very well in intercropping with pastures for color livestock



Bran resulting from the crushing process of the seeds is non-toxic and can be used in animal and even human food.



Perennial Culture with production beginning in the third year after planting



Culture does not require the use of fertilizer in planting and application of pesticides, being a very rustic species



Adapted to the characteristics of the **Paraguayan Chacco Region**



Omega Green Project



 **HVO**
Omega Green

 **SPK**
Omega Green

 **Naphtha**
Omega Green

The **Construction is scheduled** to start in January 2021 and the plant is expected **to start operating in the Second half of 2023.**

Contact



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

