

## WHAT DO THEY DO?



FOOD WASTE RECYCLING




SUSTAINABLE  
INGREDIENTS




RENEWABLE DIESEL

## THE COMPANY'S ADVANTAGES

 A **key player of the renewable diesel industry** in California through the processing of animal fats and organic waste

 Substantial **environmental benefit**: alternative to traditional diesel from crude oil

 **Tangible reductions in greenhouse gas and nitrogen oxide emissions**, as well as fine particles, compared to traditional biodiesel





**CARBIOS**  
Enzymes powering the **Circular Economy**

## WHAT DO THEY DO?



**FULL PLASTIC  
RECYCLING**



**ENZYMATIC  
PROCESS**



**DEPOLYMERISATION OF PET**  
(polyethylene terephthalate)

## THE COMPANY'S ADVANTAGES



**First to introduce enzymes** in the value chains of the plastic industry

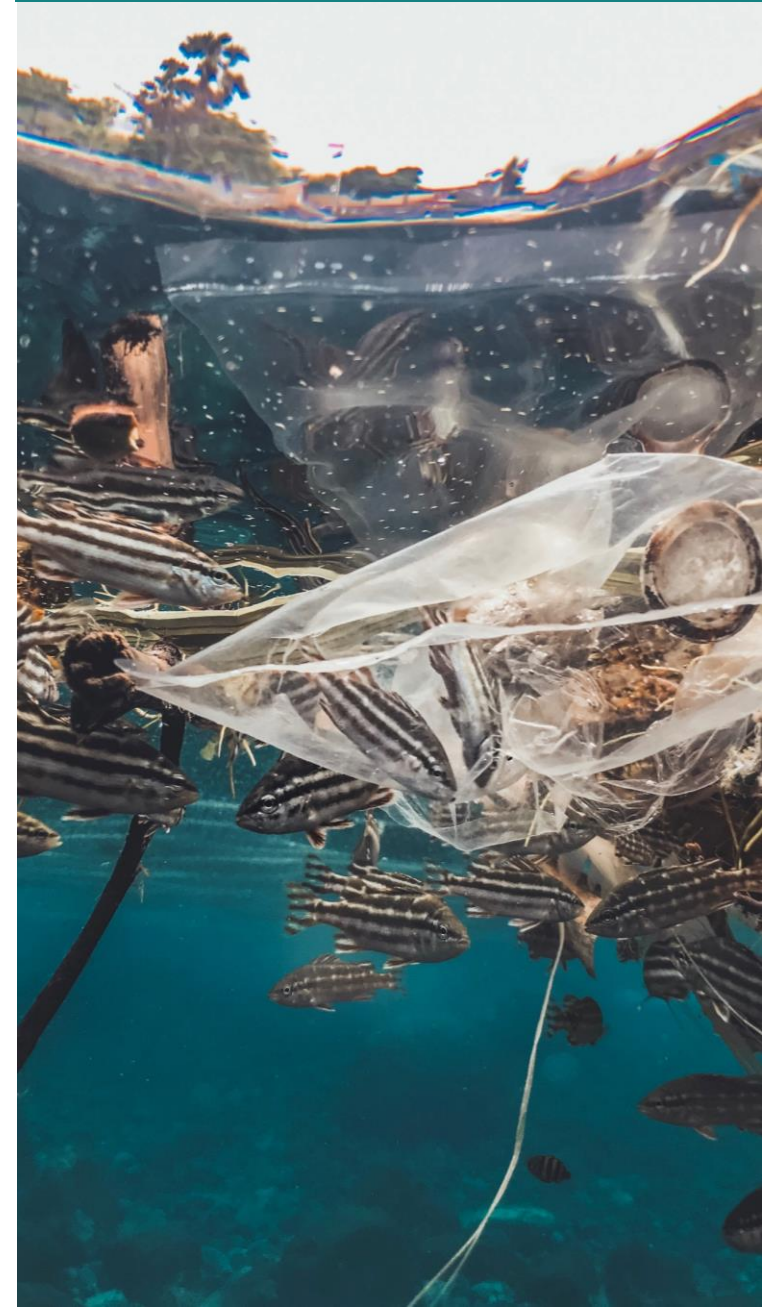


**Unique technology** to break polymers into monomers using an **environmentally-friendly** process called hydrolysis



**38 patents and 20 years of protection**

**GREEN SOLUTION ENABLER**





### WHAT DO THEY DO?



EXTRACTION AND POWER GENERATION



PRIMARY ENERGY CONVERSION



ENERGY TRANSPORT AND DISTRIBUTION

### THE COMPANY'S ADVANTAGES

Clear business model and ambitious targets for renewable energy:



Decrease its **upstream production** of oil



Become one of **the leaders in electricity generation from renewable sources**



Develop **all sources of renewable power**



**Reach net zero by 2050** for its global business (Scope 1+2+3)\*



Invest in **e-mobility revolution** through battery manufacturing and EV charging



Sources: 30/04/2022 Carmignac, TotalEnergies.

\*Scope 1+2+3: Scopes 1, 2 and 3 represent the different main categories of greenhouse gas emissions of a company. Scope 1 corresponds to direct emissions, Scope 2 to indirect emissions related to energy used and Scope 3 to indirect emissions in the value chain.