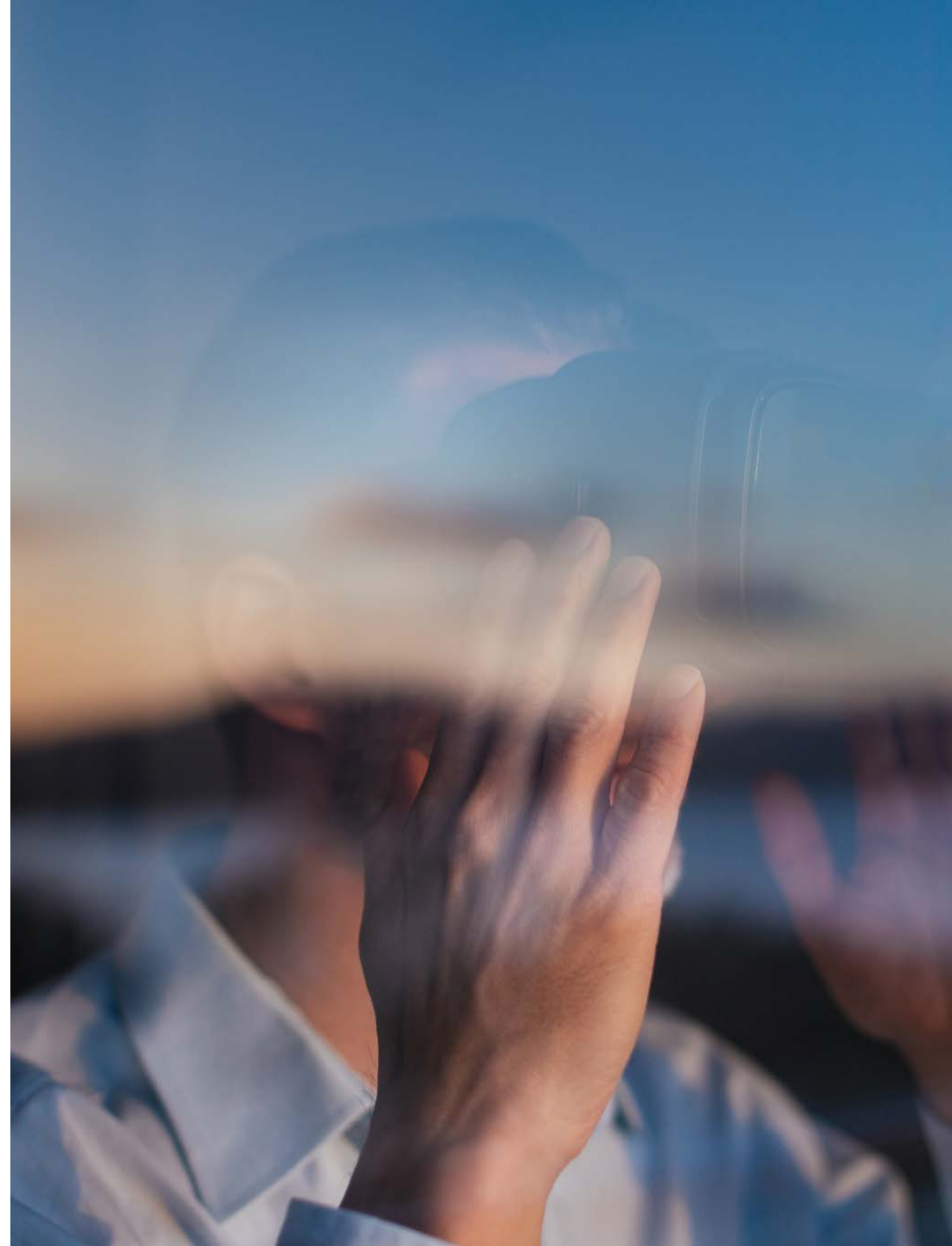




# nextPHENOL™

Committed to the future: the new generation of sustainable phenol and solvents.

Estefania Alvarez Alvarez  
Phenol Marketing Manager – Cepsa Chemicals



# Cepsa Chemicals

We are leaders in developing chemical products and processes that improve people's lives and drive business around the world.

We are committed to **innovation** to guarantee our production chain's **sustainability** and our products **quality**. In addition, we favor a **circular economy** that optimizes the use of resources to build a more sustainable, efficient and fair world.



World leaders in LAB and LABSA, raw materials for biodegradable detergents.

Back integrated and certified plantation for production of fatty alcohols main surfactants.

World leaders in the production of cumene.

World's second largest producer of phenol and acetone.

# Cepsa Chemicals at a glance

Global leadership through an integrated and diversified portfolio and international presence, with chemical sites, offices and logistic facilities in Europe, America, Africa and Asia.

## 2022 Key Figures

**Workforce**  
1,055

**Turnover**  
4,500 millions €

## Markets & Products



**HOME & PERSONAL  
CARE**



**ENGINEERING  
PLASTICS**



**CHEMICALS  
MANUFACTURING**

## Global Footprint



# There is a need to find a better way of doing things

## Sustainability Revolution

There is an **urgent action** to combat climate change and its impact

Achieving **carbon neutrality** has become a **focus** of action in the market.

**Increased interest** in final consumers: "If it is natural, it is good"

## And what does sustainability mean?

- Use of **renewable feedstock** from biomass and vegetable oils to waste recycling
- Products with a **lower carbon footprint**



## Shift in Composition

- Low-VOC or VOC-exempt
- Non-aromatic
- Low cumene content

## Innovation

- New products to meet the increasing requirements from key industries such as automotive, construction, electronics and consumer

... as there is always a better way of doing things,

We make Sustainable Chemistry for a better life in a better Planet.

# Cepsa Chemical becomes a leading chemical player for sustainability

## Our Purpose

Create Sustainable chemistry for a **better life in a better world**

## Our Ambition

Become a **leading chemical player** for the sustainable development



As a forward-thinking company



To deliver Value



While reducing our environmental footprint

## Today's Challenge



Population growth with high living standards



Natural resources becoming limited



Waste and Residues increasing too fast

## Our Blueprint focus on ...

### Fossil Carbon Reduction

- Scope 1: Process Optimization
- Scope 2: Clean Energy
- Scope 3: The products we sell
  - Renewable Materials
  - Circular Materials
  - Optimized Product Formulation

### Resources optimization

- Water resources management
- Waste management focus on circular economy.

Non-Stop in

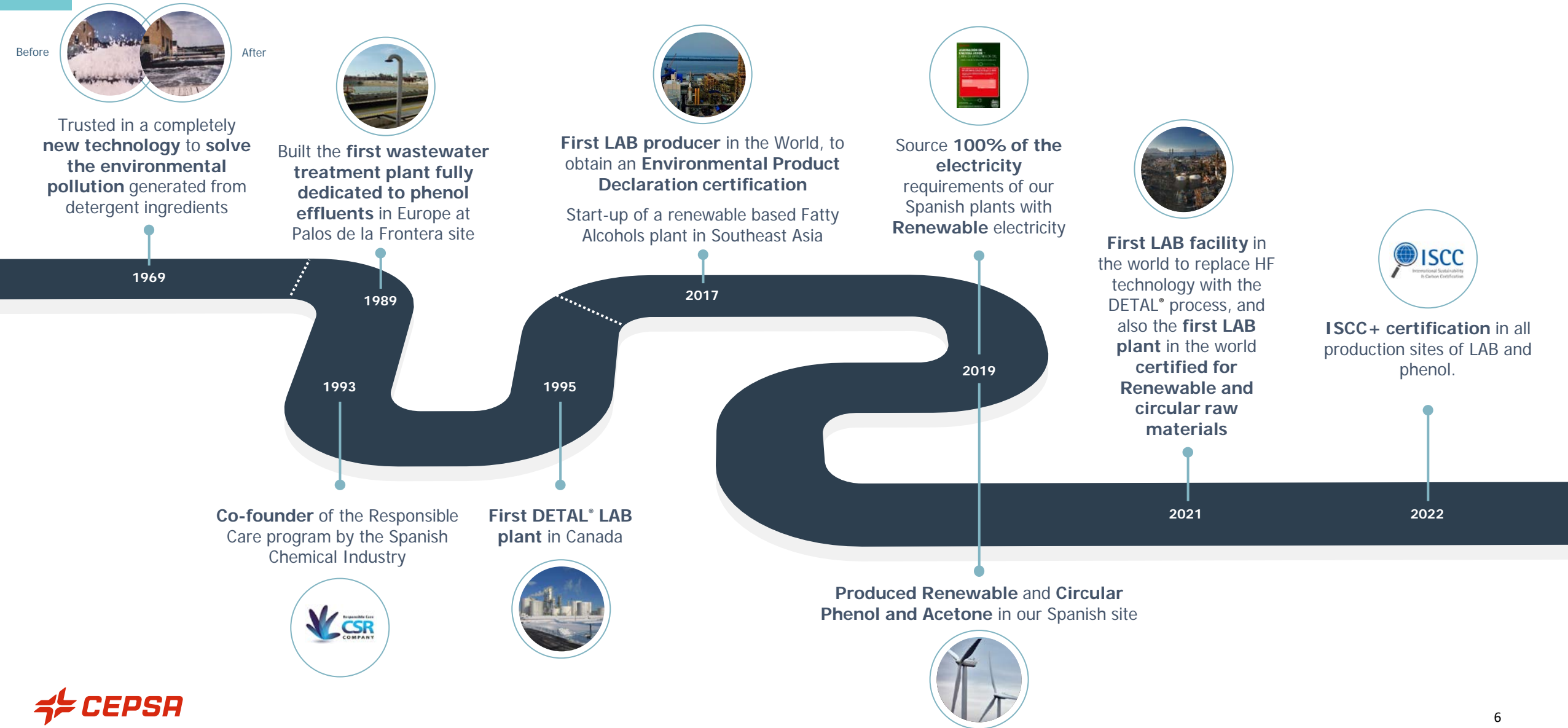


Expanding our Sustainability Certifications & Initiatives



Strengthening and expanding our strategic alliances with Key Partners

# Key milestones and achievements



# Our commitment to sustainability: certifications & awards

Adherence to Responsible Care chemical industry initiative



Responsible Care Global Charter



Circular Phenol & Acetone



Renewable & Circular LAB



1989

1993

1997

2006

2014

2016

2019

2020

2021



Built the first wastewater treatment plant fully dedicated to phenol effluents in Europe at Palos de la Frontera site



Implementing EU Eco-Management and Audit Scheme (EMAS)

ecovadis

Joining Ecovadis Sustainability Rating initiative



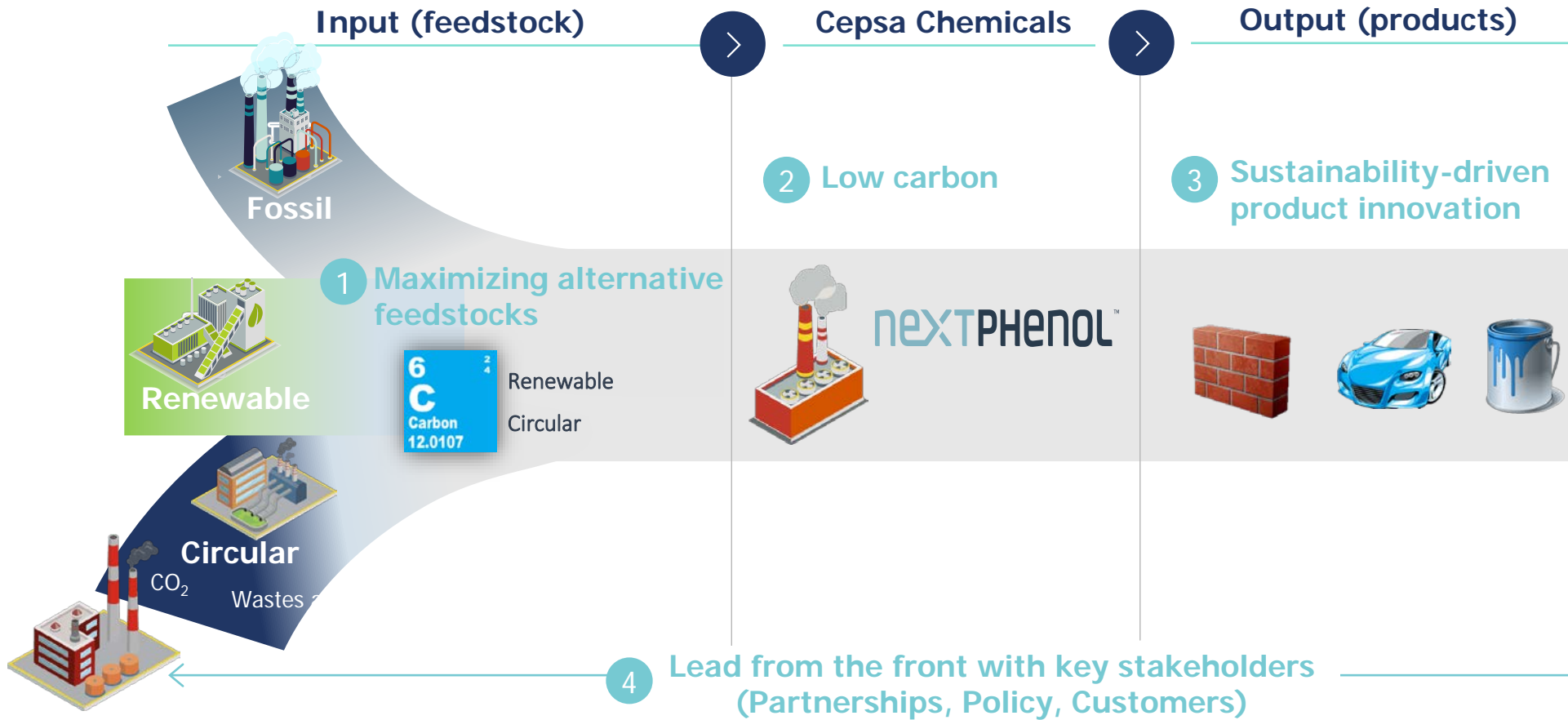
Renewable electricity in Spanish Plants



DETAL project awarded with European Environmental Awards

# Our chemical's sustainability roadmap

Four key levers in the design of a new family of products

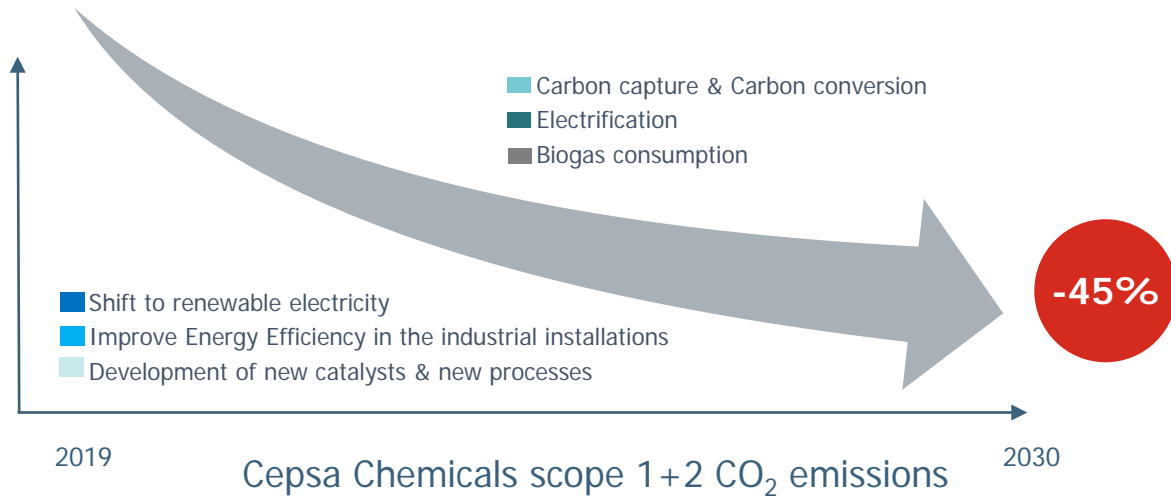




# Fossil carbon reduction

## Scope 1 & Scope 2

Using different levers, direct and indirect CO<sub>2</sub> emissions will be reduced considerably within this decade



Several optimization projects are currently under evaluation, with the aim to be **carbon neutral by 2050**.

## Scope 3

Transition from Fossil Carbon to Renewable and Circular ones by a progressively shift



Additional Corporate actions:

- Production & transport of Raw Materials
- Transport of Finished Goods
- Commuting, Biz travel, Headquarters
- Waste Management

# Mass balance chain of custody for sustainable products

The spark for the sustainability transition

## ISCC PLUS as guarantee of compliance and traceability

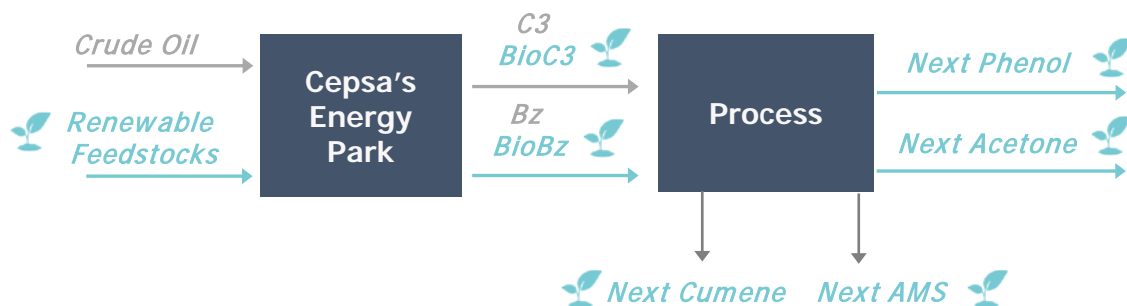
Sustainable Products can be traced back step by step

No entity sells more certified products than sourced (conversion factors applied)



# Co-processing and mass balance approach

Petro-based and non-Petro-based feedstock are mixed physically but kept separated in the bookkeeping. No product physical segregation.



The raw material complies with the ISCC principles for the cultivation of sustainable biomass

NextPhenol™ is a trademark of Cepsa Quimica



# nextPHENOL™






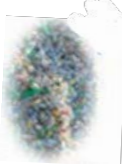

**Molecule based on renewable raw materials with the same specifications.**

Alternative sources are used as a complementary source of carbon and do not alter final composition

Bio-based content in NextPhenol: 100% w/w

# Renewable feedstocks to produce Bio/Bio-Circular or Circular raw materials

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Type	Raw Material
Fresh Vegetable Oils (1G) 	<ul style="list-style-type: none"> <li>• Palm/Palm Kernel Oil</li> <li>• Coconut Oil</li> <li>• Soybean Oil</li> <li>• Rapeseed Oil</li> </ul>
Wastes from vegetable oils & other industries (2G-A)  	<ul style="list-style-type: none"> <li>• Palm Oil Mill Effluent (POME)</li> <li>• Tal oil</li> <li>• Bio-Waste: Food and kitchen waste from households, restaurants.</li> </ul>
UCO & Animal (2G-B)  	<ul style="list-style-type: none"> <li>• Used Cooking Oil</li> <li>• Animal Fat</li> </ul>
Plastic Waste, other biowaste/biomass  	<ul style="list-style-type: none"> <li>• Plastic Residues</li> <li>• Other Residues</li> </ul>

Molecule based on renewable raw materials with the same specifications.

Alternative sources are used as a complementary source of carbon and do not alter final composition

Bio-based content in NextPhenol: 100% w/w

# Our sustainable offer Intermediates

nextPHENOL™

## NEW PORTOLIO OF PRODUCTS FOR A MORE SUSTAINABLE CHEMISTRY



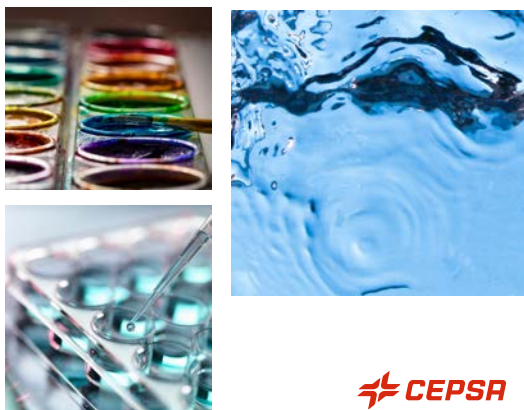
 **CEPSA**




Product Name	Description	Raw Materials
1. Phenol, Acetone	<ul style="list-style-type: none"> <li>Sustainable product produced using 100% renewable electricity</li> </ul>	Fossil Bz
2. <b>Bio-</b> Phenol, Acetone nextPHENOL-R	<ul style="list-style-type: none"> <li>Sustainable product produced from biomass using 100% renewable electricity</li> </ul>	Bio Bz
3. <b>Bio Circular</b> - Phenol, Acetone nextPHENOL-BC	<ul style="list-style-type: none"> <li>Sustainable product produced from biomass waste using 100% renewable electricity</li> </ul>	Bio-circular Bz
4. <b>Circular</b> - Phenol, Acetone nextPHENOL-C	<ul style="list-style-type: none"> <li>Sustainable product produced from plastic waste using 100% renewable electricity</li> </ul>	Circular Bz

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# Our sustainable offer for Solvents

## NEW PORTOLIO OF PRODUCTS FOR A MORE SUSTAINABLE CHEMISTRY



Description	Raw Materials	Product
Sustainable <b>acetone</b> produced from renewable or circular raw material and 100% renewable energy	Biomass, waste	Acetone 
Sustainable <b>n-paraffins</b> produced from renewable or circular raw material and 100% renewable energy	Biomass, waste*	C10 C14 
Sustainable <b>dearom. solvents</b> produced from renewable or circular raw material and 100% renewable energy	Biomass, waste*	D40, D60 D80, D100 

\*Circular will be available soon

# Our brand as a value guarantee

## Transformation requires strong leaderships with the courage to lead the journey

We are leaders in the development of **products and processes that reach businesses and homes** with endless applications in our day to day, always **committed to providing value to improve each reality**. That is why we are committed to increasingly innovative products and processes, **making a more sustainable value chain** possible for everyone. Because our products are a **guarantee of leadership, innovation and sustainability**, we work every day so that together we can do things better, today and tomorrow.

### PIONEERS

We believe that the best way to add value to our customers is continuous improvement. From technical innovation to sustainability, we make our products today with an eye to the future.

### RELIABLE

Trust is the most valuable asset of Cepsa Chemicals for many of our clients. A trust that we earn every day with deliveries on time, with efficient processes, with transparency and smart solutions.

### APPROACHABLE

Our products are very close to you, that's why we want you to know everything about us. Here you will always find a person on the other side, someone who will answer all your questions and needs, someone committed to you.

### Cepsa is the Cumene Market leader for Phenol

- Cepsa is the world's largest cumene producer and the second largest phenol producer.
- A model of integration with cumene and refinery.
- Global presence thanks to our sites in Spain and China, together with a worldwide commercial workforce.

### Cepsa has best-in-class knowledge of Phenol

- State of the art plants with world class licensor's technologies
- R&D with dedicated personnel at the Research Center. Strong knowledge of phenol for product and process improvements.

### ... and Phenol is key to a wide range of products present in our daily life

- Phenol is transformed to be used in our car, laptop, phone, appliances, furniture, floor, clothes, medicines, among many others.

# Our commitment to the future

## WE ARE READY TO CHANGE THE FUTURE

Cepsa is leading the changes on the market, with several important sustainable projects within the pipeline

## THE NEXT GENERATION FOR PRODUCTS

To support customers to improve the sustainability footprint

## RENEWABLES & CIRCULAR FEEDSTOCKS

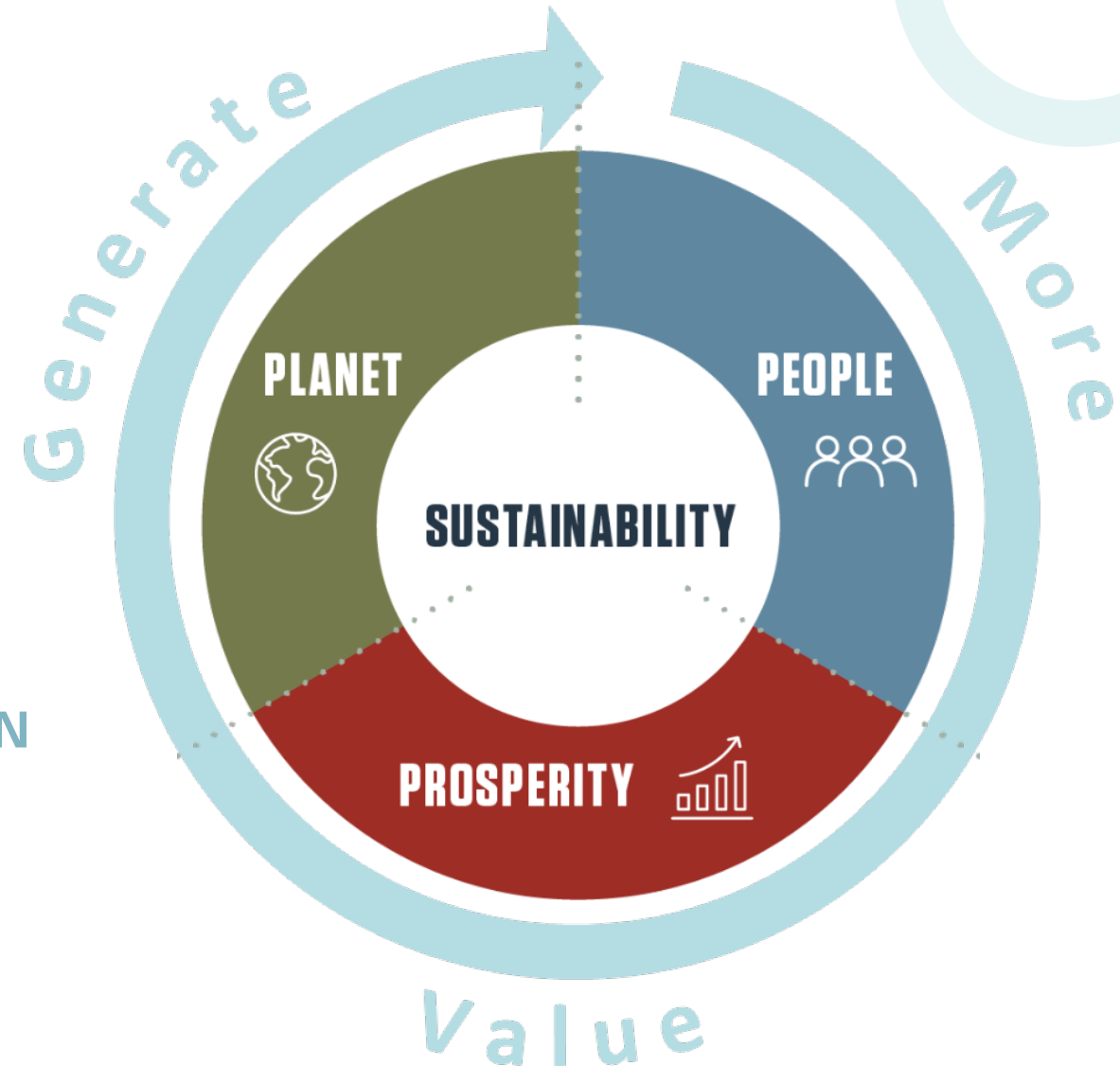
Bio based feedstocks, and alternative raw materials to contribute in the defossilization of the value chain

## AMBITIOUS TARGETS ON CARBON EMISSION

Ambition to become carbon neutral

## SUPERIOR TECHNICAL CAPABILITIES

Dedicated technical team and application laboratory to support our customers in product developments





# Our partners for the sustainable development

This transformation requires all of us to work together; that is why we work closely and in a transparent way with our Stakeholders and key Business partners...



...and we are now looking for **Key Customers to Drive the Change Together**



# next PHENOL™

DO YOU WANT TO JOIN US  
IN THE TRANSFORMATION  
OF THE INDUSTRY?

Being a **pioneer in Sustainable PHENOL** would take a further step in **innovation and sustainability**, and **leave a legacy** in the industry and brand



# THANK YOU