



# AMEL

## TOTAL CO<sub>2</sub> EXTRACTS

Pure • Organic • Premium

From plant to pure molecules

# ***FINAL PRODUCTS AS RAW MATERIALS FOR B2B***



**Total CO<sub>2</sub> Extracts**



**Stabilized in Vegetarian  
Oil Extracts**

**Microencapsulated  
Dry Powder Extracts**





**FROM LAND**



**TO LABORATORY**



**ZERO WASTE**

**GREEN  
TECHNOLOGY**



**NO SOLVENTS**

# WHY SCFE-CO<sub>2</sub> ?

<b>Criteria</b>	<b>SCFE-CO<sub>2</sub></b>	<b>Solvent Extraction</b>	<b>Steam Distillation</b>
<b>Purity</b>	100% natural, solvent free	Residual solvents remain	Essential oils only
<b>Temperature</b>	Low- preserves sensitive actives	High + solvents = degradation	High heat - compound loss
<b>Bioactive Spectrum</b>	volatile, lipophilic thermolabile	Narrow profile	Volatile compounds only
<b>Reproducibility</b>	Consistent, batch-to-batch	High variability	Limited reproducibility
<b>Environment</b>	Recyclable CO <sub>2</sub> , eco-friendly	Hazardous solvent waste	Energy-intensive
<b>Applications</b>	Pharma, food, cosmetics, etc.	Limited to certain areas	Mainly perfumery /aromatherapy
<b>Customization</b>	Tailor-made per global standards	Very limited	Not customizable

# FROM WASTE TO VALUE

CIRCULAR APPROACH

GREEN INOVATION

VALUEABLE INGREDIENTS



*OLIGOMERIC PROANTHOCYANIDINS (OPC)*

*HYDROXYTYROSOL*

*CARSONIC ACID*

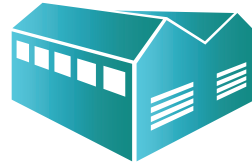
*FLAVONOIDS*



**AGRICULTURAL WASTE**



# OUR CORE SERVICES



## Contract Manufacturing

Custom extracts per global standards



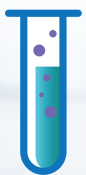
## Contract Extraction

Processing client's raw material for their brand.



## Custom Pilot Study

50–100 kg batches for bioactive analysis & market validation.



## Pilot Product Development

Formula + 1,000 test units + documentation.



# ***PARTNERS FOR GROWTH & INNOVATION***



## **Scaling up capacity**

Industrial SCFE CO<sub>2</sub> line.

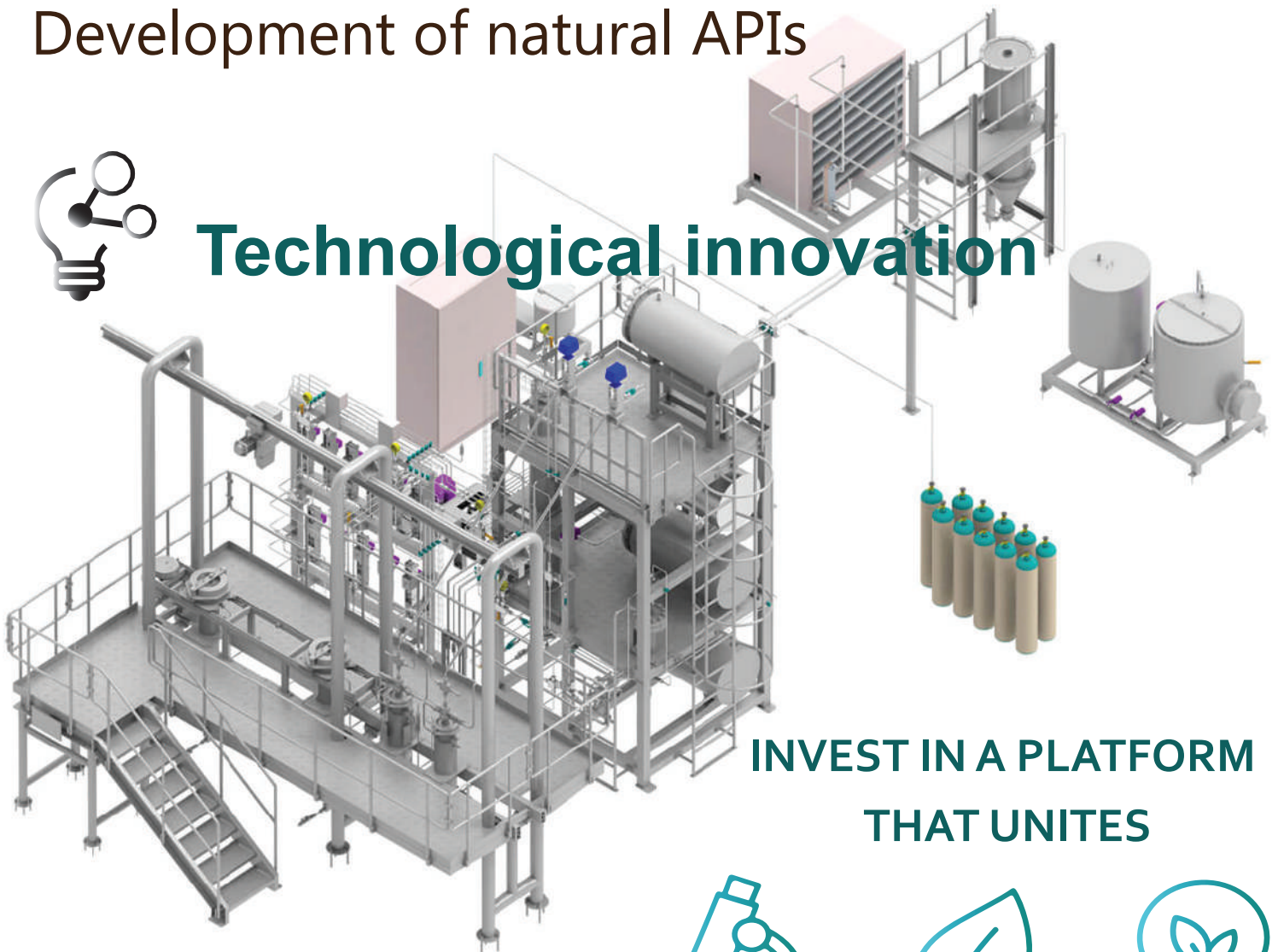


## **Product diversification**

Development of natural APIs



## **Technological innovation**

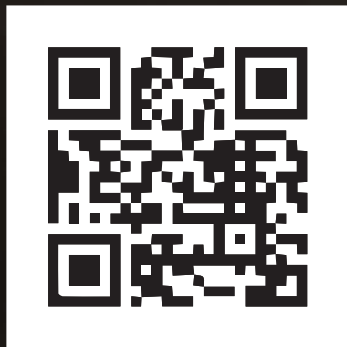



**INVEST IN A PLATFORM  
THAT UNITES**





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