

# INNOV'IA



 CAPSULAE

 INODRY

 INNOCAPS

## FORMULATION OF INNOVATIVE FUNCTIONAL INGREDIENTS



Provider of  
manufacturing  
services with  
high-performance  
industrial  
processes



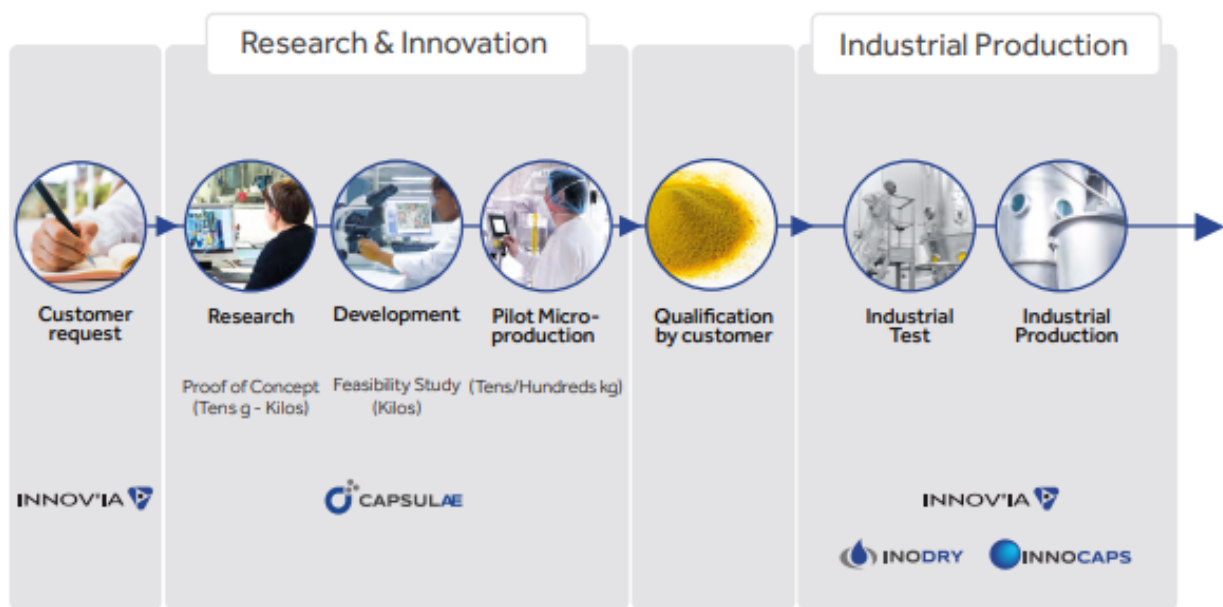
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# INNOV'IA

EUROPEAN LEADER IN THE DEVELOPMENT AND PRODUCTION OF FUNCTIONAL INGREDIENTS.

-  Highly optimized formulation for innovative ingredients.
-  Development of competitive tailor-made solutions thanks to the combination of a wide range of technologies.

## Our development process



# RESEARCH & INNOVATION



RESEARCH AND  
INNOVATION CENTER OF  
INNOV'IA, SPECIALIZED IN  
MICROENCAPSULATION

## Our services

### Contract Research

The assurance to get a full service, from your idea to your product

### Patent & Know-how licensing

Licensing on ready-to-use technologies such as

**CapsuBeads™ CapsuCaps™ CapsuPearls™**

### Microproduction


Contract manufacturing at pilot and semi-industrial scales

### Analysis

A set of high-performance tools for analysis and characterization

 **WITH MORE THAN 30 YEARS  
OF EXPERIENCE, CAPSULAE**

has developed unique know-how and expertise in the field of ingredient formulation.

 **CAPSULAE** relies on high-level scientific and technical skills (highly qualified team of more than **35 RESEARCHERS** including PhDs, engineers and technicians) **TO OPTIMALLY MEET THE VARIOUS REQUIREMENTS OF THE INDUSTRIAL WORLD.**



## SPRAY DRYING



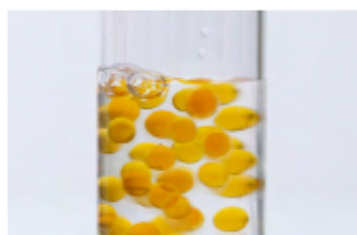
### Plant extracts

- Low temperature drying
- High preservation of functionalities
- Control of hygroscopicity
- High wettability
- Instant dispersibility



### Feed additives

- Alternative to freeze drying
- Improved bioavailability
- Free flowing powders
- Instant cold water dispersibility



### Oils and fats

- High fat content powders
- Free flowing powders
- No free fat release
- Protection against oxidation

## GRANULATION AGGLOMERATION



### Low calorie sweeteners

- Instant cold water dispersibility
- Free flowing powders
- Crunchy feeling
- Spoon for spoon concept



### Texturizing Ingredients

- No dust powders
- High speed rehydration
- Free flowing powders
- Instant solubility



### Aromas and fragrances

- Micro-granulated powders
- Size control of essential oil droplets
- Protection against oxidation

## MICRO ENCAPSULATION



### Prebiotics

- High speed rehydration
- Free flowing powders
- Instant solubility
- Reduced hygroscopicity



### Natural coloring

- Protection against oxidation
- Extended shelf life



### High performance enzymes

- Micro-granulated powders
- No dust powders
- Free flowing powders
- Preservation of activity
- Thermostability

## COATING



### Food supplements

Low temperature drying  
Preservation of functionalities  
Control of hygroscopicity  
Instant dispersibility  
Thermo coating

## PRILLING



### Natural mixed carotenoids

Low temperature process  
Preservation of functionalities  
High wettability

## DRIPPING/EMULSION



### Biocides

Microplastic-free capsules  
Biodegradability  
Controlled release of volatiles  
UV protection  
Easy and secure  
implementation for user



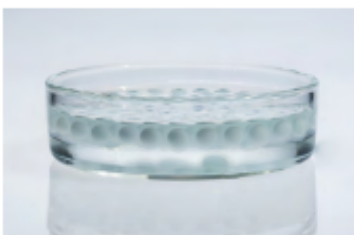
### Vitamins

Protection against oxidation  
Free flowing powders  
Direct compressive powders  
Improved bioavailability



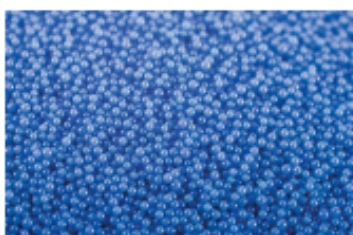
### Omega 3 powders

Fish oils rich in EPA and DHA  
Protection against oxidation  
Free flowing powders  
Taste masking



### Probiotics

Alternative to freeze drying  
Control of powder hygroscopicity  
High revivifiability  
Extended shelf life  
Instant dispersibility  
Bioavailability



### Fats and waxes

Very homogeneous particle  
size distribution  
(from 50µm to 3 mm)

## Optimization of physical properties

- Wettability
- Flowability
- Instant solubility
- No fine particles

## Preservation of functionalities

- Barrier effect
- Taste masking
- Sustained release

## INNOV'IA AND ITS SUBSIDIARIES TODAY

- 4 industrial sites
- 1 R&I center
- +350 team members
- +600 manufactured products
- Corporate Social Responsibility commitments



FSSC 22000 **FAMI**QS

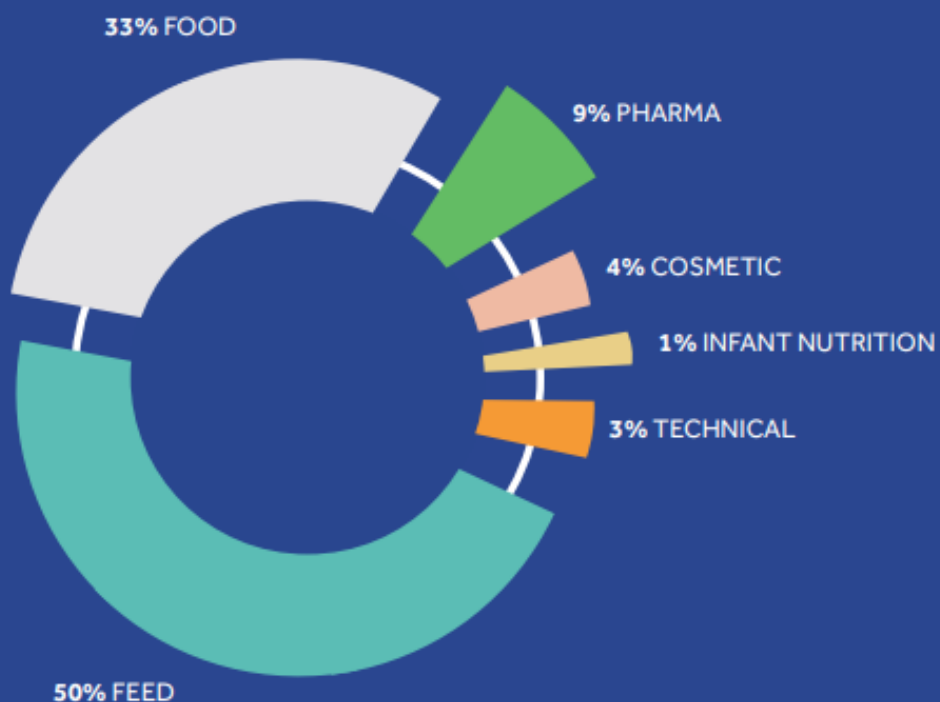
Organic, Halal and Kosher certifications available on all our factories



## GLOBAL SCOPE



## MARKETS



**INNOV'IA** 

[WWW.INNOV-IA.COM](http://WWW.INNOV-IA.COM)

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