



Creating solutions for controlling and optimising fluid materials and the associated industrial processes

Audits

Characterisation

Numerical simulation

Engineering

Consultancy

## Rheonova technical resources...

- Rotating rheometers, temperature regulated from  $-150^{\circ}\text{C}$  to  $+600^{\circ}\text{C}$ , pressure up to 200 bar:  
*TA ARES, ARES-G2, DHR3 and AR-G2  
Anton Paar MCR 301 and MCR 501  
Thermo Haake Mars III and VT550*
- Capillary rheometers
- Compression rheometer
- DSC, DMA and particle size analysers
- Extruders and mini injection press
- Optical and laser microscopes
- Measurement of interface properties (contact angle / hanging drop / drop pressure)
- Partner tools: SEM, all equipment for analytical chemistry, radiation diffusion, etc.

## ...for studying fluid materials:

Gels, pastes, emulsions, suspensions, molten polymers, resins, polymers in solution, slurries, powders, etc.

## ...involved in all types of processes:



**Bulk:** Pumping, Transport in pipes, Mixing



**Surface:** Smearing, Peeling, Printing, Coating, Spreading



**Two-phase:** Emulsification, Dispersion, Encapsulation, Filtration



**Forming:** Extrusion, Injection, Atomisation



## History

**1992:** Creation of the **Rheology and Processes Laboratory** in Grenoble

**2011:** Creation of **Rheonova**

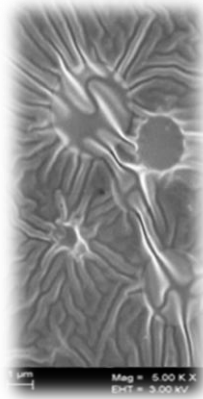
**Capitalising on 20 years' experience**

## A unique model

Multi-sector expertise

Cross-disciplinary academic and industrial partnerships

Integrated approach: bridging the gap between science and engineering to provide customised solutions using rheology



## Non-stop R&D

Development of process pilot systems

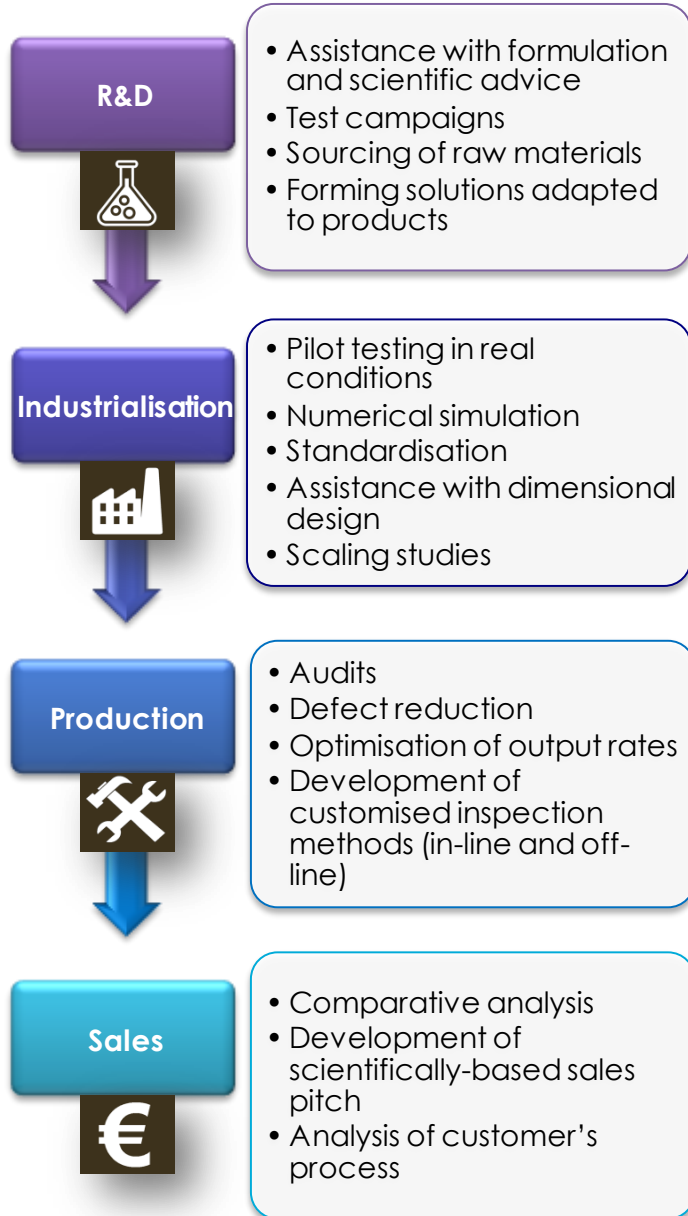
Design and construction of instrumentation

Drafting and participation in collaborative research projects (ANR, FUI, H2020)

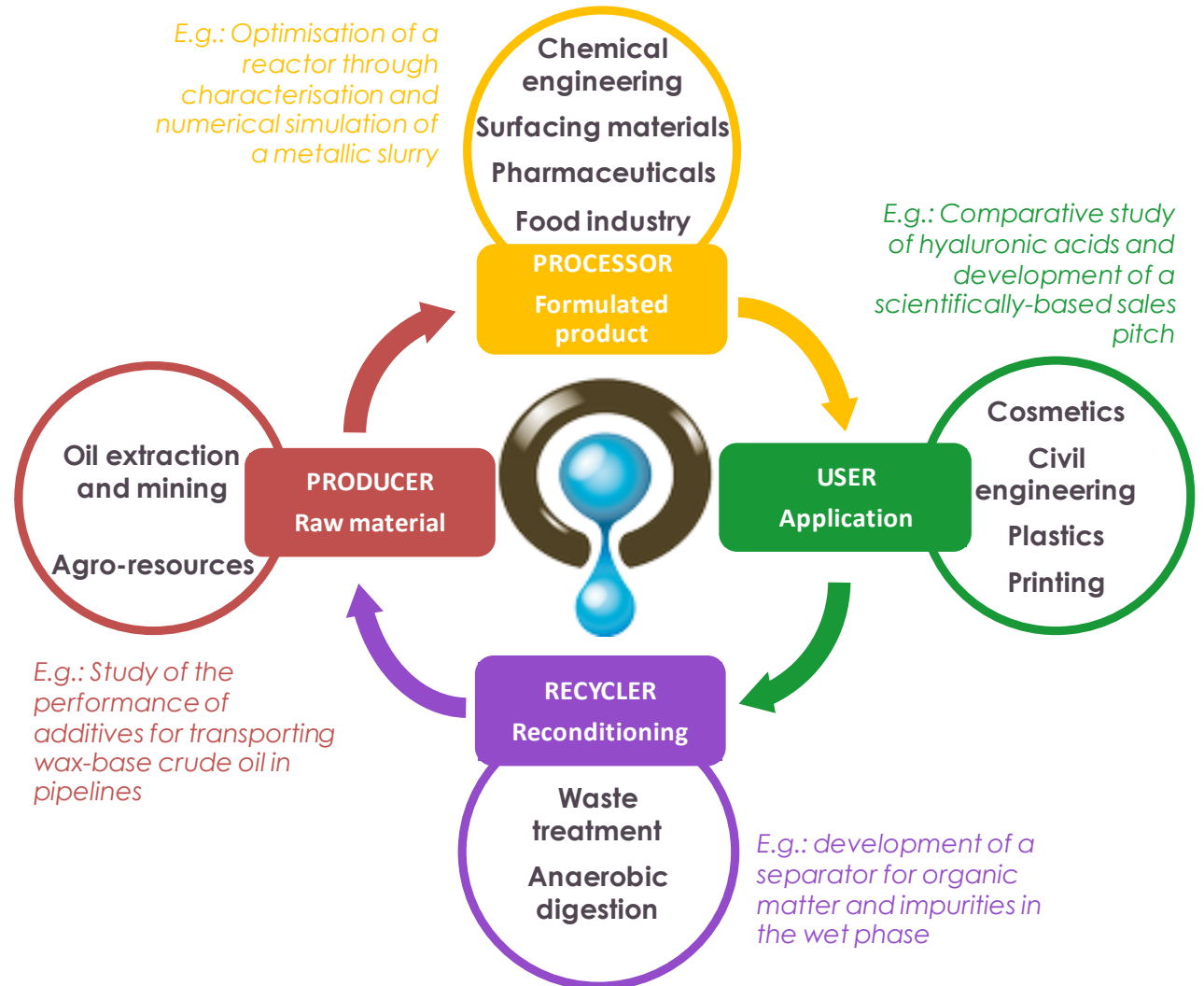
## Rheonova

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**Rheonova** offers solutions  
at all levels in companies



Rheology concerns all sectors of industry, whenever a product flows  
during its production or use



**\*RHEOLOGY, noun (from Greek *rheîn*, to flow). Science of flowing matter, the stresses applied to it and the resultant structural modifications.**