



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°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.

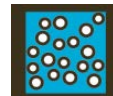
...involved in all types of processes:



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

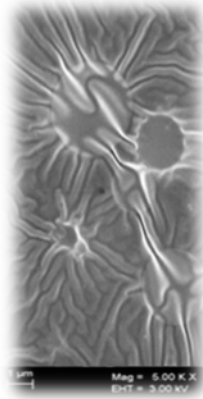
Capitalising on 20 years' experience

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

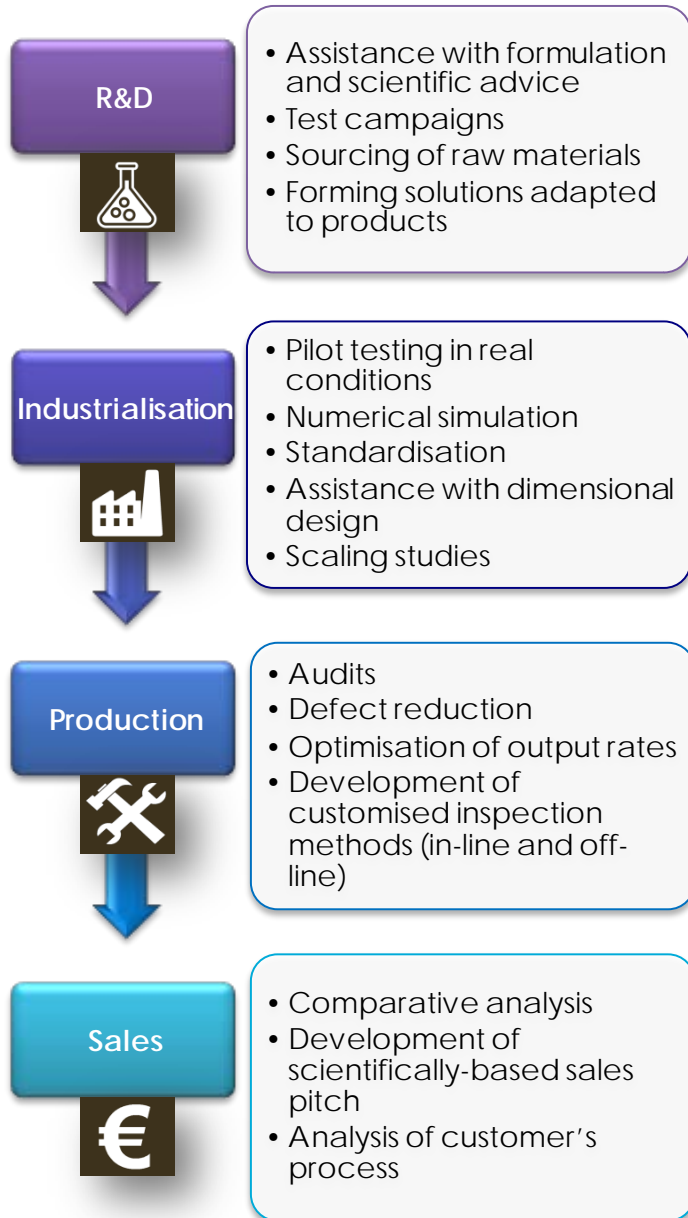
Design and construction of instrumentation

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

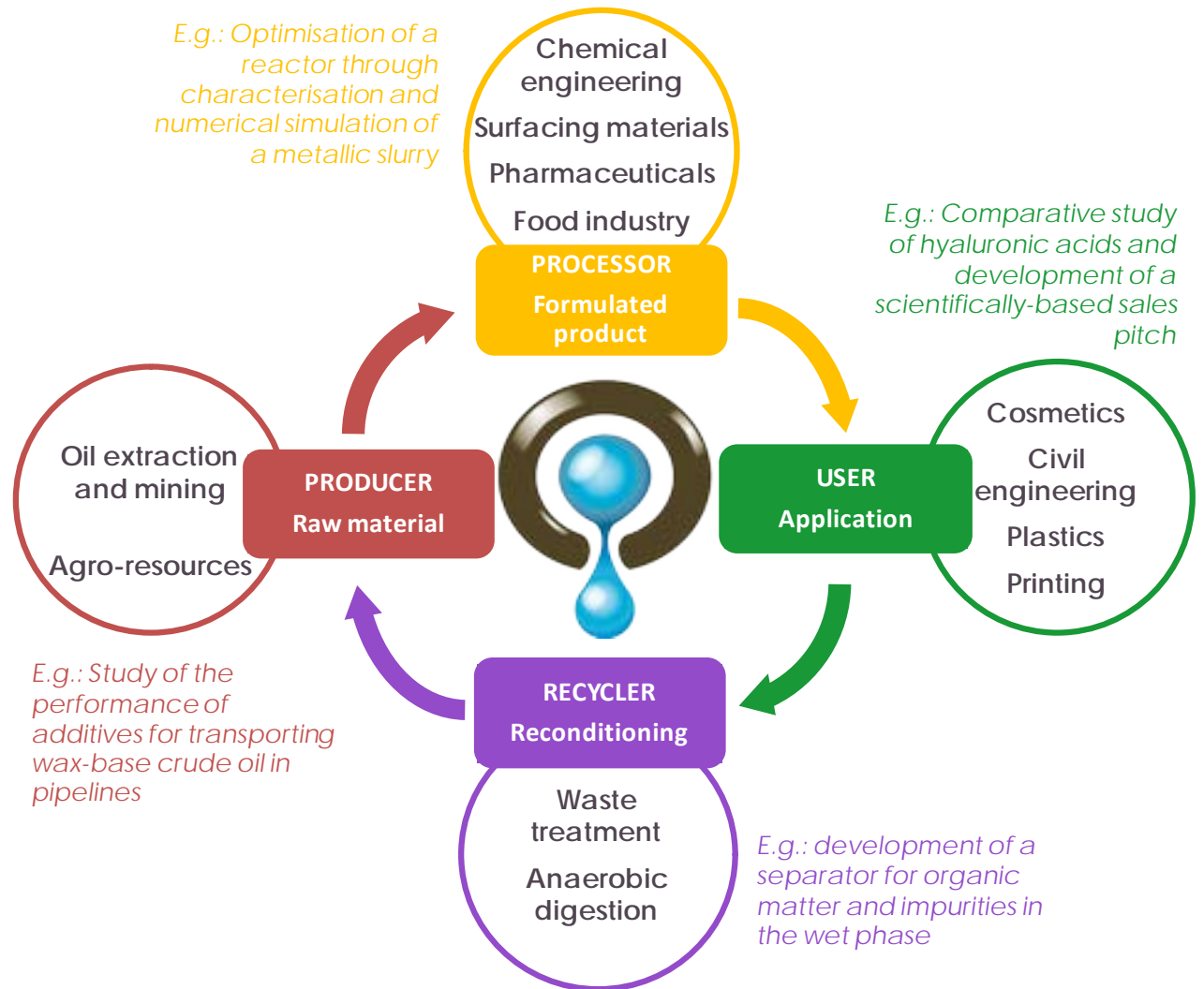
Rheonova

Laboratoire Rhéologie et Procédés
363 rue de la chimie – Domaine Universitaire
F-38400 Saint Martin d'Hères
Tel.: (+33) 04 56 52 01 87 - contact@rheonova.fr

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 *rhein*, to flow). Science of flowing matter, the stresses applied to it and the resultant structural modifications.