

InMother 2012: PROCESSIUM

PROCESSIUM is an independent company founded in 2002 and located in Lyon on the LyonTech university campus in France. Our teams work for the chemical, cosmetic, pharmaceutical, oil, biotech and environmental industries. We are involved in the design, development and improvement of industrial processes with the aim of identifying industrial solutions, validate and design the industrial units. The technological choices and the economic studies are then integrated in the processes of industrialization as early as possible to achieve better control of the development of the processes. We also have a team that specializes in scientific computing/simulation tools, thermodynamics and physical properties.

We can validate our studies by conducting pilot tests on plants and also support projects during start-up/optimization on site. Thus, our scope extends from the molecule to production.

Design a new production unit or improve the performance of an existing plant, reduce potential pollution linked to your processes. Reduce time-to-market for a new product by designing the most optimal process in terms of energy consumption, safety, environmental considerations or investment costs, these are the solutions that PROCESSIUM provides to save your time, lower your costs and reduce your risks.

Determine, model and capitalize the key data of chemical substances for a better design of production units, identify and conceive new compounds that are more environmentally friendly and safer, these are the challenges that face our new platform dedicated to physical properties.

Our technology platform scans all the needs from measurements to the implementation of modelling tools and a proprietary database e-thermoTM. Our teams thus have a complete range of high-level tools to provide new solutions to our clients. Our laboratories are dedicated to measure physical properties (e.g. vapour pressure, liquid-vapour and liquid-liquid equilibria, solubility or activity coefficient at infinite dilution) and to perform small-scale tests for process validation (e.g. reaction, distillations, stripping, filtration, crystallisation...).

Our new projects such as the e-thermoTM database, software for process intensification PROCIP or the development of new microwave reactors are a few examples that help us to bring some answers to our clients who face these challenges."

Visit our Website: <http://en.processium.com>

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