



“Are you still using spreadsheet to design, analyze or optimize your processes?”

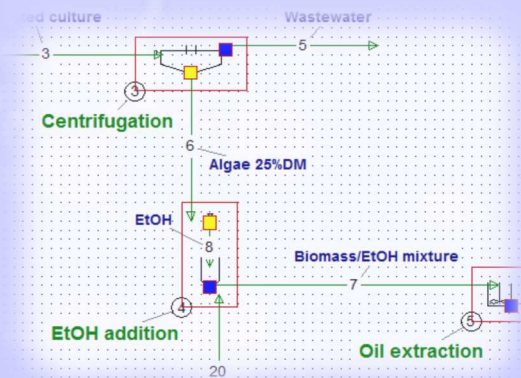
Do you know that a process simulator can bring you much more?”

Time saving

Instant calculation results, even with complex processes.

Rapid assessment of various configurations.

Flowsheet-based total system approach.



Accuracy and reliability

Coherent and reliable mass balances, based on a powerful data reconciliation algorithm.

Mechanical, chemical and biological phenomena occurring in equipment are taken into account.

Material description adapted to agricultural raw materials: carbohydrate, proteins, lipids, dry matter, ashes...

DESIGNED AND DEVELOPED BY CASPEO,
USIM PAC IS A SOFTWARE SOLUTION THAT
ENABLES TO DESIGN AND OPTIMIZE
INDUSTRIAL PROCESSES.

Main features:

- Equipment sizing
- Mass, energy, CO₂ balances
- Economic evaluation
- Environmental assessment

Knowledge capitalization

Capitalization and portability of the knowledge on the process, in an industrial software tool.

Say farewell to spreadsheet that are usable only by their authors, prone to errors and inaccuracies.



The benefits of USIM PAC for cosmetic industries

- Dedicated unit operation models: reactors, bioreactors, solvent extraction, centrifugation, evaporation, extrusion, membrane filtration...
- Works both for batch and continuous processes
- Particularly suited to complex materials that are difficult to characterize: natural raw materials, polymers, emulsions...
- Flexibility : the user can develop his own unit operation models
- A team of experts in process engineering at your service to accompany you



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