

Maturus Optimi

Maturus Optimi guides business decisions and supports organizations in their growth and sustainability by applying best in class methodologies for process development, evaluation and improvement.

*Maturus Optimi is **your** bridge between ideas and successful business development!*

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Service Information

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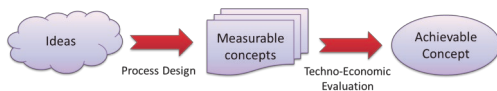
Maturus Optimi: Your bridge between ideas and successful business development.

www.maturusoptimi.com

Maturus Optimi is an independent consulting firm that specializes in techno-economic feasibility of Chemical, Petrochemical, Food, Pharmaceutical & Oil and Gas processes. We assist research and engineering organizations in project scoping, economic evaluation and development of different process designs; as well as improving the energy efficiency of new and running processes. Our aim is to grow within our area of expertise while providing cost effective solutions for our clients and adding value to their businesses.

Our Scope

Maturus Optimi operates across the entire project life cycle: from early research phases to conceptual design and engineering. By connecting different engineering disciplines we reduce the project execution time while maximizing a good quality output, hence improving the overall project efficiency.



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Process Design

Whether it's a new process or a running plant, Maturus Optimi can translate your ideas into measurable concepts. By applying the best in class process design methodologies and simulation tools we offer you:

- ⇒ mass & energy balancing of new and running plants
- ⇒ steady state & dynamic simulation models for different process studies
- ⇒ process optimization and improvement studies
- ⇒ technology evaluation

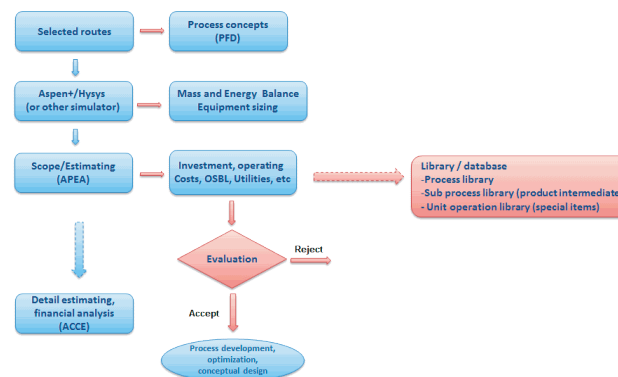
Maturus Optimi specializes in both use and application of modeling and simulation tools. We help our clients to develop models, implement and use these sophisticated tools in their research and engineering organizations

Economic Evaluation

Margins and profit are principle drivers to conduct business as we know it. This implies that besides finding the best possible technology it should also be the most cost effective, whether in low cost price for products, lower energy costs or any other aspect leading to a better cost position of a company.

Maturus Optimi offers an extensive and solid base for process economic evaluation. We can assist your organization in a number of ways:

- ⇒ perform techno-economic feasibility studies as an external consultant
- ⇒ assist your organization in setting up a methodology/workflow and tools to do your own economic evaluation
- ⇒ on the job training
- ⇒ perform independent reviews of all levels of estimates
- ⇒ temporary provide you with a flexible workforce



Global relocation factors

The influence of the physical location of a plant is often underestimated. It is a broad range of parameters that will have an effect on the cost price of your product when comparing different location. Even looking at different locations within one country, this can be the case. Maturus Optimi has a long time experience and in-house developed tool to derive location factors, specific to *your* project and help you evaluate multiple location in one go!

Energy Efficiency



Energy is usually one of the biggest contributors to the plant bill and has an immense impact on the product cost.

Global energy demand and climate change suggests that this impact is likely to increase in the future. Maturus Optimi considers the energy efficiency as one of the key parameters for process design. We apply the most advance methodologies and tools to identify energy savings opportunities and improve the energy efficiency of processes.

Risk Analysis

By using Monte Carlo based risk assessment tool, project scope, economic evaluation uncertainties and risks can be identified and quantified. This is a valuable and objective tool to determine main project risks and stay in control. We offer to our clients maximum involvement to identify possible threats or opportunities in their projects.