

Aspen Simulation Workbook

Deploy engineering models and automate conceptual design workflows using Microsoft Excel™

Aspen Simulation Workbook provides seamless integration between AspenTech's engineering tools and Microsoft Excel, allowing you to deploy models to a wider range of users. The result is new levels of value to your company through improved productivity during conceptual design and the expanded use of process models in operations for performance monitoring, better decisions, and optimization.

||||| Leveraging Process Models to Create Added Value

Simulation models are powerful tools for process design and revamps, yet many companies fail to leverage models beyond the design process due to perceived complexities. Modeling experts typically move on to the next design project, plant engineers may not have enough knowledge of the process simulator and have other responsibilities, and automating models requires expertise in programming.

Aspen Simulation Workbook addresses these issues by enabling seamless interoperability between AspenTech's engineering tools and Microsoft Excel—with no programming required. It brings the power of process modeling to a wider range of users, allowing companies to expand the use of process models to solve plant operating problems such as equipment troubleshooting, performance improvement and other plant studies, driving greater value from your simulation investment.

Reported Benefits

- Up to 5% increase in throughput resulting from improved operations
- Enhanced speed and consistency of extracting key results from process simulation, heat exchanger design cases and dynamic models
- Increased design quality with greater cross-functional participation
- Up to 10% reduced energy use by presenting operators with operating advice based on current operating conditions
- Improved operating margins from better and consistent planning and business decisions
- Months of saved labor by eliminating the need to write program code



Microsoft Excel-based end-user interface enables process models to be used widely for operations decision-making.

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Michael Rajnik



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