

Aspen Process Engineering Console

Framework for achieving best-practice integrated engineering workflow

Aspen Process Engineering Console improves your workflow and helps enable best practices by facilitating data sharing between AspenTech engineering tools and by organizing data associated with a project. Users can launch applications, create and run simulations, analyze costs and equipment designs, and manage projects all from a single interface.

Key Features

Aspen Process Engineering Console organizes the tasks associated with a project into the following activities:

- **Properties Setup**, using Aspen Properties® or Aspen HYSYS®
- **Process Simulation**, using Aspen Plus® or Aspen HYSYS
- **Economic Analysis**, using Aspen Process Economic Analyzer
- **Equipment Design**, using Aspen Exchanger Design and Rating tools
- **Energy Analysis**, using heat integration (pinch) tools
- **Flare System Analysis**, using Aspen Flare Analysis
- **Collect and process model data**, using Aspen Simulation Workbook

|||||| Save Time, Improve Productivity

Aspen Process Engineering Console automates the flow of data between applications. It takes the guesswork out of your workflow and between disciplines by activating icons only when sufficient data is available for performing those tasks. It also improves productivity by enabling you to efficiently extract sets of data for further action.

Aspen Process Engineering Console stores data in projects. A project may contain a number of cases, with each case including:

- A centralized set of physical property definition files
- Simulation case files
- Equipment models (e.g., heat exchangers)
- Analysis files (energy, flare, economic, etc.)



Aspen Process Engineering Console facilitates workflow through animated tutorials, better file management, and data transfer between engineering activities, delivering greater productivity.

These files can be viewed in a case-by-case grouping or by activity type. In addition, *Aspen Process Engineering Console* organizes your projects in a folder structure, making it easier to keep related files together. It can also archive the data into a single portable file, allowing you to share with colleagues by email, over a network, or in the context of a document management system.

||||||| Key Benefits

- **Best-Practice Workflow**
 - Workflow-driven interface enables best practices for novices and experts alike, and between disciplines
 - Enables centralization and consistency of physical properties across a project
 - Provides efficient management of projects and project files
- **Increase Productivity**
 - Facilitates work sharing
 - Guides your conceptual engineering workflow from one step to the next
 - Improves file management through organization and archiving
 - Facilitates data transfer from simulation to other tools
- **Reduce Capital and Operating Costs**
 - Rapidly performs economic analysis and compares scenarios
 - Reduces over-design (e.g., heat exchangers, relief loads, flare systems)
 - Reduces energy use



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||||||| aspenONE Process Engineering

Aspen Process Engineering Console is a key component of *aspenONE Process Engineering* for the process industries. *aspenONE Process Engineering* is an integrated lifecycle solution – from conceptual design through to plant start-up and operations support – enabling you to model, build, and operate safer, competitive, and more reliable process plants. Companies are able to reduce capital and operating costs, increase engineering efficiency and quality, and accelerate time-to-market with payback in months instead of years.

||||||| About AspenTech

AspenTech is a leading provider of award-winning process optimization software and services. AspenTech's integrated *aspenONE™* solutions enable manufacturers to reduce costs, increase capacity, and optimize operational performance end-to-end throughout the engineering, plant operations, and supply chain management processes.

For more information, visit www.aspentech.com.

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