



30 YEARS OF OPTIMIZATION

V7.3

Updated May 2012

What's New in aspenONE®

New features and product updates to make optimization faster and easier!

- New release of **Aspen DMCplus®** improve APC efficiency with automated step testing
- New release of **Aspen PIMS** and **Aspen Petroleum Scheduler** products
- **New Aspen Search** for Aspen Plus and Aspen HYSYS to quickly find and share data, models, and knowledge enterprise-wide
- New release of **Aspen Plus®** with completely redesigned, easy-to-use interface
- New release of **Aspen InfoPlus.21®** product suite including search and high-performance trends
- **Modernized user interface** for Aspen Supply Chain Planner and Aspen Plant Scheduler Family
- **New Online Training** for select Engineering and Manufacturing and Supply Chain products
- And much more!

aspen ONE V7



Process Optimization for Engineering,
Manufacturing, and Supply Chain

New Aspen DMCplus and APC Sustained Value Tools

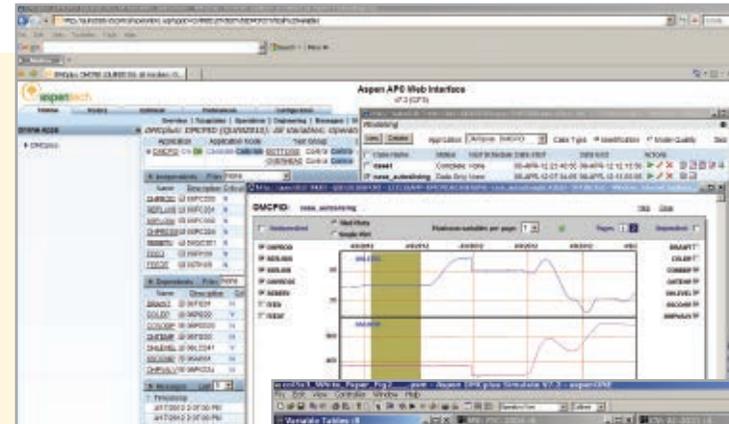
Rebuilding models doesn't have to involve aggressive plant step testing—now control and test at the same time!



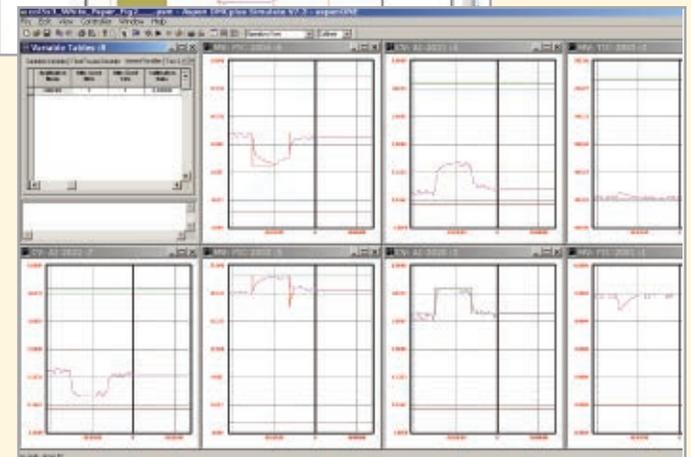
The Best Advanced Process Control Software—Now Better Than Ever

Plant step testing shouldn't result in expensive product giveaway. With the new release of Aspen DMCplus, you can:

- Deliver less-invasive step testing; maintain plant stability while collecting new process data for model identification with Calibrate Mode functionality
- Easily incorporate best practices in APC application maintenance; new automation lets you configure automated testing for existing Aspen DMCplus applications in just a few clicks
- Quickly scan the variables in an application and automatically identify PID loops in the list of MVs and CVs
- Remove bad data caused by poorly performing loops prior to model identification



Automatically identify PID loops with improved data slicing.



Configure Aspen DMCplus applications for automated testing in around 3 minutes.

New Interface and Functionality for Aspen Plus Product Suite

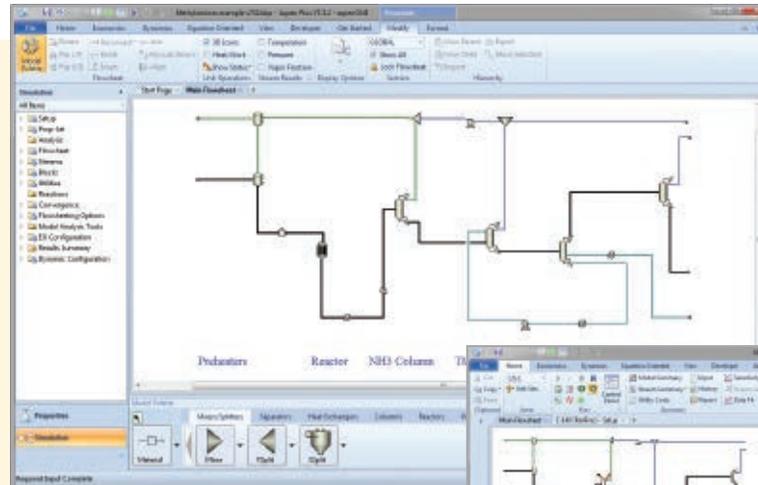
Transforming process simulation with enhanced user experience to solve design and operational challenges faster than ever before!



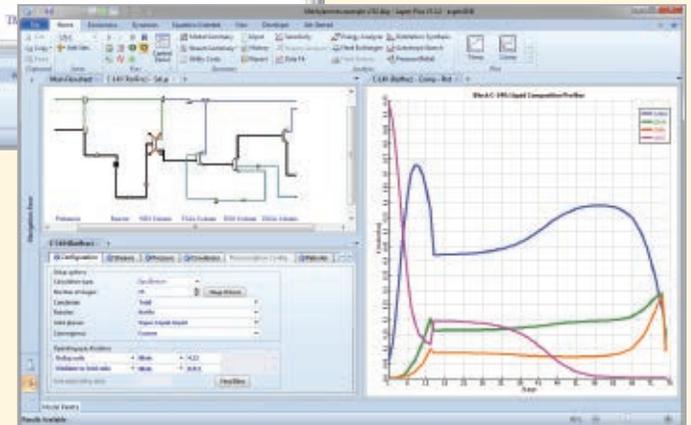
The Best Chemical Process Simulation Software—Now Easier to Use, Faster to Learn

Building on recent innovations such as **Aspen Search** and **Online Training**, the new release of Aspen Plus allows you to:

- Quickly solve design and operational challenges with improved navigation via Microsoft® ribbons and streamlined workflows
- Explore economic, energy, and heat exchanger design options from the same workflow
- Access data, analysis, and results easily through a customizable multi-panel workspace—for one or multiple monitors
- Leverage the largest physical properties database to create, modify, and converge models
- Optimize plant performance with easy deployment of models in operations—from monitoring to RTO
- Link plant data through Excel with integrated Aspen Simulation Workbook
- Track equipment and process performance, troubleshoot problems, improve safety, and reduce energy footprint and carbon emission



Experience greater ease-of-use and higher productivity with the New Aspen Plus.



Use the customizable multi-panel workspace for quick access to data and results, as well as faster and easier plotting.

Enhanced Integration with aspenONE Petroleum Supply Chain

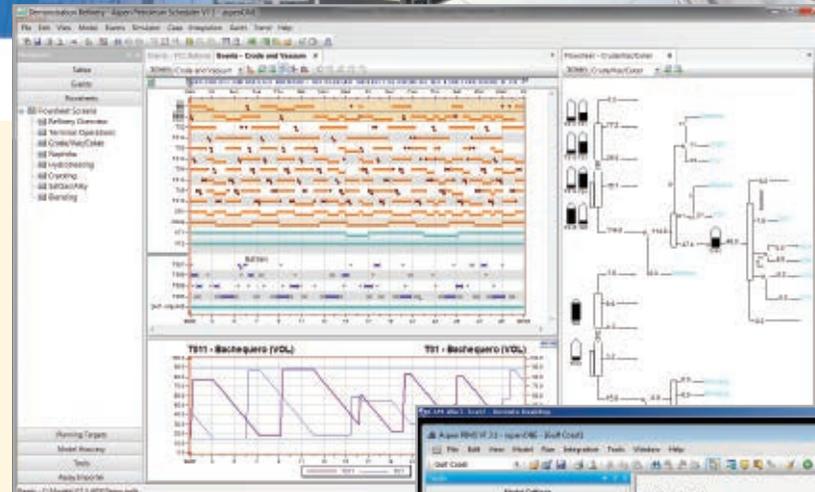
Improving collaboration between refining planners and schedulers with new release of Aspen PIMS and Aspen Petroleum Scheduler!



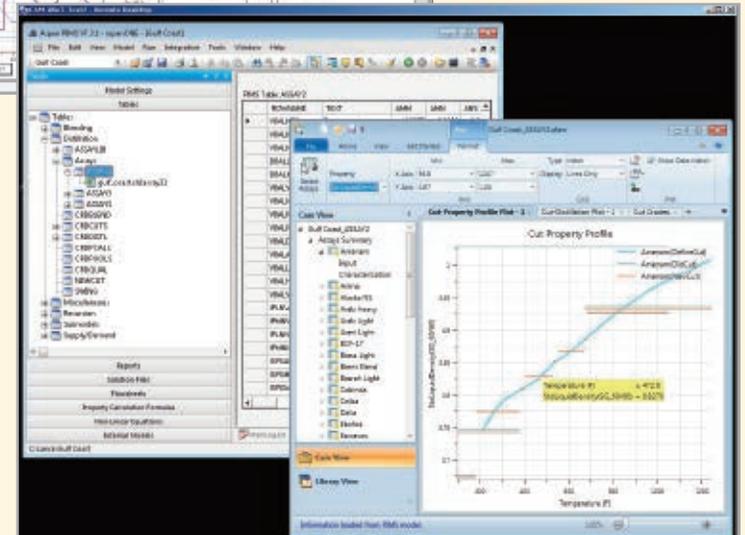
The Best Planning & Scheduling Software—Now Better Than Ever

Building on recent innovations such as enhanced visualization and collaboration tools, the new release allows you to:

- Deliver more accurate plans for greater profitability with new assay management functionality in Aspen PIMS
- Integrate target passing between Planning & Scheduling for closer alignment of plan vs. actual
- Enable greater data sharing—including production targets and key performance indicators (KPIs)—to enhance profitability and reduce margin leakage
- Respond faster to unexpected market or operating conditions with improved data editing capabilities
- Increase productivity through improved synergies with Excel
- Enhance analytics with simultaneous comparison of models and reporting functions
- Evaluate alternatives and share information easily with powerful analytics via output to SQL server



Monitor and update schedules faster and easier with improved Gantt charts in Aspen Petroleum Scheduler.



Now update assays faster and easier than ever with Aspen PIMS—ensuring more accurate plans to increase productivity and profitability.

New Release of Aspen InfoPlus.21 Product Suite

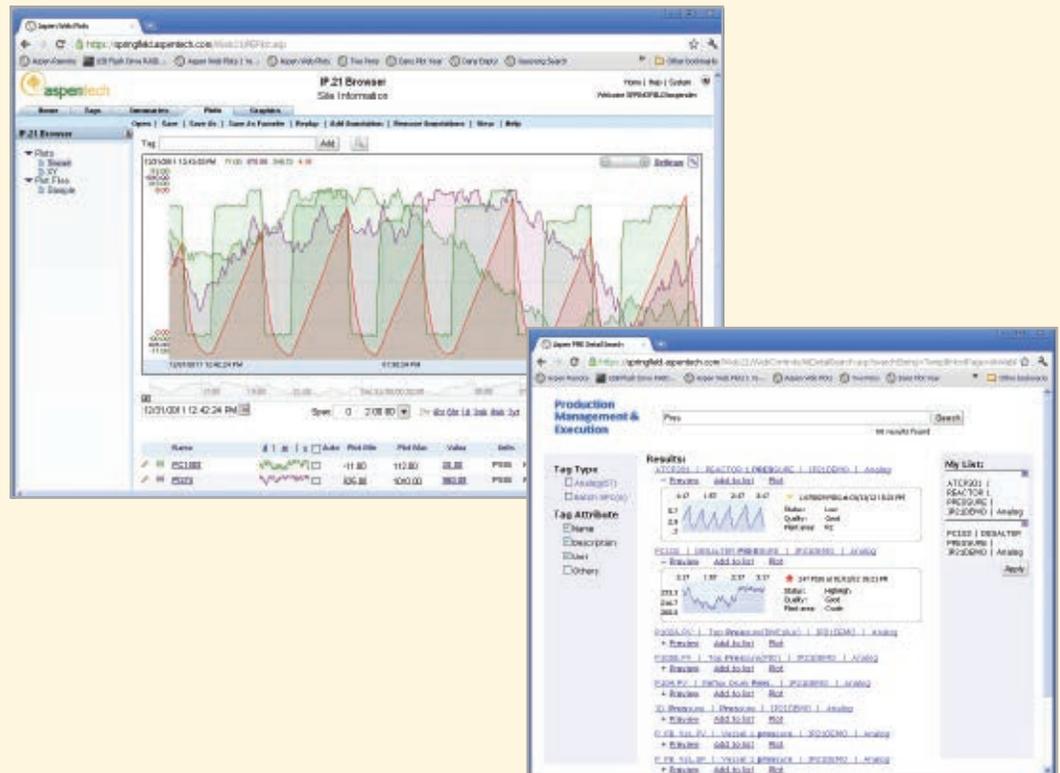
Improving manufacturing performance by bringing greater speed and intelligence to manufacturing execution systems (MES)!



The Process Industry's Best Historian—Now Even Better with Search and High-Performance Trends

Building on recent innovations in AspenTech's MES solutions such as Aspen InfoPlus.21 Mobile™, the new release allows you to:

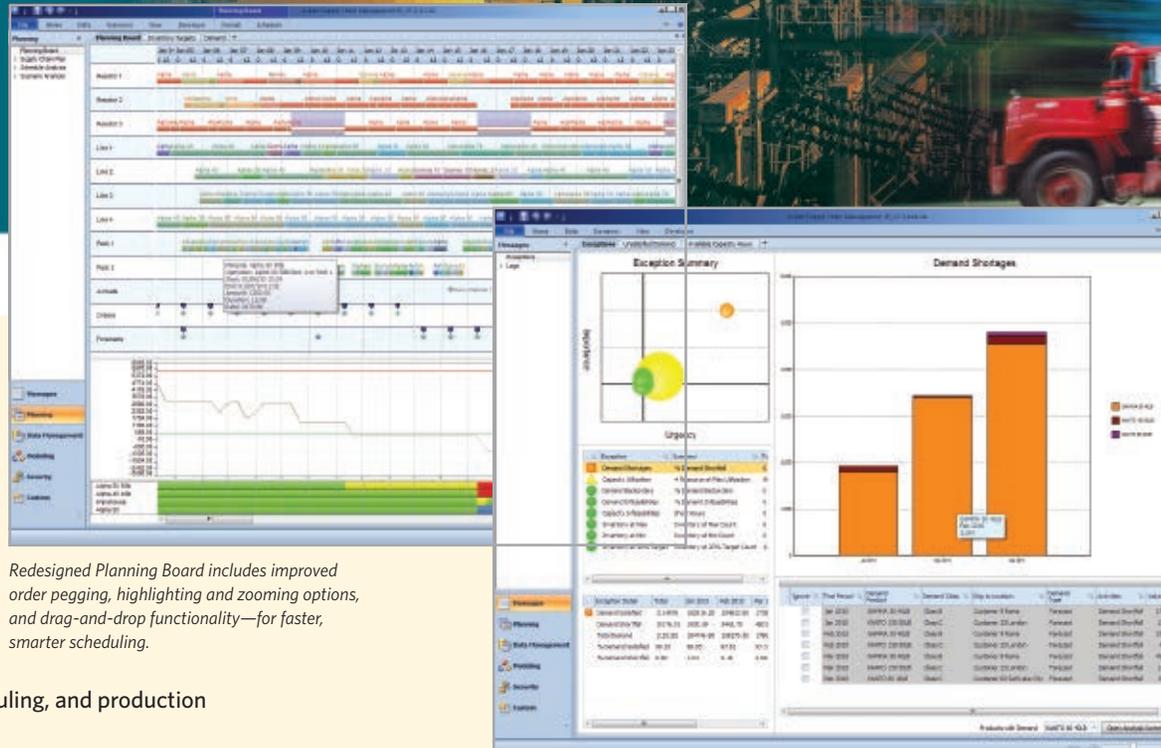
- Optimize analysis to quickly find relevant information and reduce troubleshooting time with search and high-performance trends (HTML5)
- Simplify data extraction and streamline setup with new batch data and batch configuration Microsoft Excel® add-ins
- Visualize KPIs, golden profiles, compliance tags, and SPC tags in a prebuilt performance dashboard
- Expand information distribution and increase operational insight with support for Excel Services and SharePoint® 2010
- Improve visualization and increase information value with the 64-bit performance of SharePoint 2010
- Accelerate and expand product expertise with online training



Streamline troubleshooting and maximize efficiency with fast, intelligent search and trending capabilities.

New Interface for aspenONE Supply Chain

Delivering the highest performing supply chain solution that's more scalable, more configurable, and easier to use!



Redesigned Interface for aspenONE Supply Chain*

Bringing greater functionality and ease of use to Aspen Supply Chain Planner and the Aspen Plant Scheduler Family of products!

- Adapt more quickly to changing market demands in bulk chemicals, polymers, specialty chemicals, process consumer packaged goods, and life sciences
- Accurately model complex planning, scheduling, and production processes
- Optimize procurement, production, inventory, and distribution—with full visibility across the supply chain
- Improve efficiency and facilitate quick decision-making with streamlined workflows and improved navigation
- Leverage enhanced support for the Sales & Operations Planning process to more quickly identify and evaluate alternate scenarios
- Determine feasibility and create better production schedules more quickly using modernized planning board with active user assistance and enhanced drill downs
- Enable rigorous business simulation and what-if scenario analysis with enhanced data editing, filtering, and analysis capabilities

Redesigned Planning Board includes improved order pegging, highlighting and zooming options, and drag-and-drop functionality—for faster, smarter scheduling.

Modern, easy-to-use interface helps you quickly navigate through supply chain complexity and respond faster to unexpected market conditions.

- Increase productivity with a personalized work area that allows you to save favorite layouts and screen configurations
- Visualize related information with multiple window panes that can be open on the same screen—or even a different screen—simultaneously

*** Please Note:** Completely NEW versions of Aspen Supply Chain Planner and Aspen Plant Scheduler Family are now available. You may be prompted to uninstall older product versions. PLEASE READ THE INSTALLATION GUIDE before installing these products.

Enhanced Features in Existing Products!

Aspen Online Training and Aspen Search give you quick access to the training, models, and intellectual property you need to save time and drive productivity!



Online Training for Select Products**

Providing convenient, on-demand access to the latest training materials right from the product Start Page and Help Menu!

- Access a variety of rich training content—including animated tutorials—from within the software
- Find what you need with intuitive and easy classification of content
- Accelerate learning curve and knowledge of products with What's New training, Getting Started Guides, and more
- Institute uniform methodology with best practices
- Build engineering expertise faster and ensure better retention of knowledge
- Stay informed with updates on the latest features and functionality of AspenTech products

Choose from a wide range of training materials—including helpful animated tutorials—right from within the product, saving you significant time and effort!

Aspen Search for Aspen Plus and Aspen HYSYS

Now facilitating improved troubleshooting by displaying real-time plant data and simulation results on the simulation flowsheet diagram for all indexed models!

- Quickly find specific models, documents, and data dispersed throughout your organization
- Filter search by model type, asset type, model features used, unit operation type, or reaction type to locate exactly what you're looking for



- Save time and improve consistency company-wide by promoting re-use of modeling assets

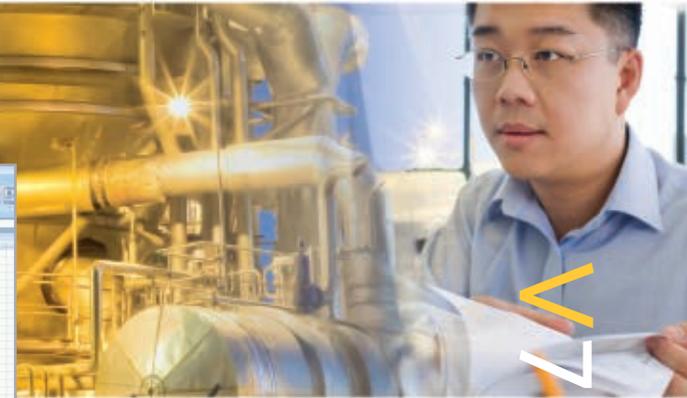
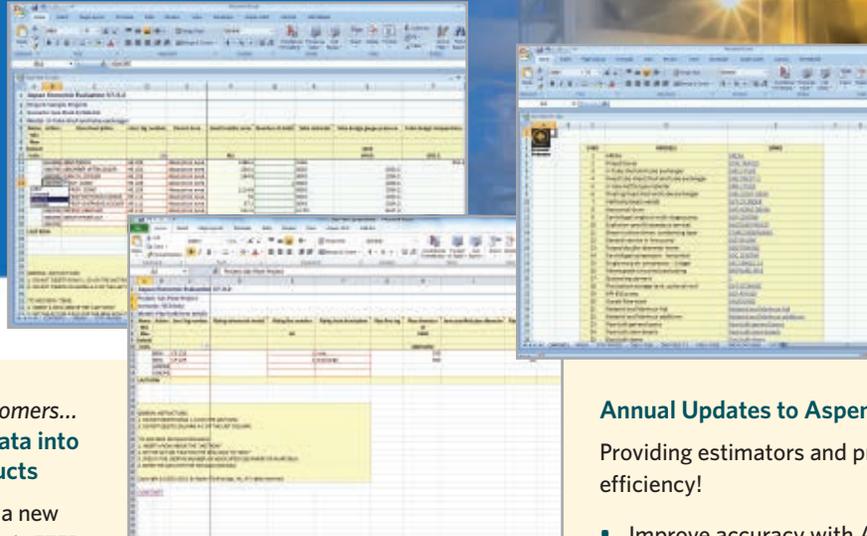
Now have your company's vast database of intellectual property—including existing models and plant data—at your fingertips.

- Streamline diagnostic and de-bottlenecking projects by simplifying access to plant data for running simulation cases
- Automatically receive alerts as models are updated—ensuring access to the most current model throughout its lifecycle
- Promote collaboration by facilitating contact among in-house engineering experts

**** Please note:** Available for Aspen HYSYS, Aspen Plus, Aspen Basic Engineering, Aspen Economic Evaluation, Aspen Exchanger Design & Rating, Aspen InfoPlus.21, Aspen DMCplus®, Aspen Process Control Builder, and Aspen Watch Performance Monitor products.

New for Engineering!

New Excel mechanism and Annual Updates to improve estimating and engineering efficiency with the latest tools and data!



As requested by our estimating customers... Excel Mechanism to Load FEED Data into Aspen Economic Evaluation Products

Improving front-end estimating with a new detachable Excel mechanism that loads FEED data as part of your estimating process!

- Generate external spreadsheets in equipment list form for input and output of Aspen Capital Cost Estimator (ACCE) data
- Support 450 different categories of equipment and plant bulk components
- Streamline input of equipment and bulk data into ACCE for large projects
- Facilitate transfer of information from P&IDs and other engineering discipline systems
- Improve accuracy and efficiency of data entry to ACCE
- Reduce cycle time and increase efficiency of estimating

Save significant time and effort by quickly integrating Excel spreadsheet data into the estimating workflow.

Annual Updates to Aspen Economic Evaluation Products

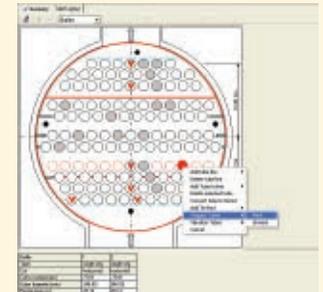
Providing estimators and process engineers up-to-date tools and data for greater efficiency!

- Improve accuracy with Annual Cost Update for first quarter of 2011
- Streamline import and export of equipment and bulk data for larger projects using the new Excel mechanism for ACCE (see previous page)
- Improve efficiency with support for volatile copper pricing, updated piping models, current civil engineering codes (ASCE 7-10), and increased range of steel weights
- Benefit from improvements in and corrections to volumetric equipment models

Annual Updates to Aspen Exchanger Design & Rating Products

Providing process, thermal, and mechanical engineers with the latest methods and data to enhance working practice!

- Avoid costly vibration problems with improved methods and better selection of tubes; see areas of risk directly on tube layout
- Specify plugged tubes to model thermal and hydraulic impact on performance
- Design shell & tube exchangers to the 2011 ASME Section VIII, Div. 1 design code



Now you can specify and model plugged tubes to determine thermal and hydraulic impact on performance.

See for Yourself

These are just the latest innovations in the aspenONE V7.3 release, making optimization faster and easier! To find out more, visit www.aspentech.com/v7.



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