



aspenONE® Engineering Software Enhancements Make it Easier to Model, Track, and Reduce CO₂ Emissions

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Market-Leading Aspen Plus® Process Simulator Transforms Greenhouse Gas Emissions from a Challenge to an Opportunity

BURLINGTON, Mass.--(BUSINESS WIRE)--Aug. 27, 2012-- [Aspen Technology, Inc.](#) (NASDAQ: AZPN), a leading provider of software and services to the process industries, announced enhancements to [aspenONE Engineering](#) software that make it easier to [model, track, and reduce CO₂ emissions](#). The market-leading [Aspen Plus](#) process simulator – part of the aspenONE Engineering software suite – helps process manufacturers transform greenhouse gas emissions from a challenge to an opportunity.

Process manufacturers face increasing regulatory requirements, emissions penalties and rising operating costs. Using Aspen Plus software, AspenTech customers can turn these challenges into business advantage through reduced energy and emissions costs and by enabling the creation of alternative fuel sources from the emissions.

For example, process manufacturers can use Aspen Plus to create better carbon capture and biofuel process models powered by the [most comprehensive physical property database](#). Improved amine solvent models enable users to make closer process predictions. With the new Aspen Plus models, customers can improve their designs and optimize them for energy use and carbon loading.

In addition, the latest enhancements help process manufacturers easily achieve regulatory compliance by simplifying the tracking and calculation of their CO₂ emissions from all sources. While calculating emissions loads, process engineers can optimize their designs to select utility sources and energy use strategies that reduce carbon footprints.

The enhancements also make Aspen Plus the product of choice for reducing emissions through advanced carbon capture processes and conversion to biomass and biofuels synthesis. As the most widely used product for modeling these processes, Aspen Plus can transform CO₂ from a pollutant into a biofuels feedstock.

The latest update to the aspenONE Engineering software is [available immediately](#).

Supporting Quotes

Dr. Eric Dunlop, President, Pan Pacific Technologies

"The flexible modeling capabilities afforded by Aspen Plus allow us to take an innovative approach to simulating our carbon conversion bioprocess. We were able to look at a variety of design scenarios and investigate scale-up and project constraints. This helps us determine the physical and economic viability of alternative systems."

Josh Stanislawski, Research Manager, Energy & Environmental Research Center

"Aspen Plus has been instrumental in modeling and evaluating our CO₂ capture process, which facilitates our ability to successfully predict conditions for increased capture in our pilot plant and to size and cost a conceptual full-scale facility. By improving the accuracy of modeling carbon capture, we can help industry in the selection of processes and solvents that significantly reduce emissions and create value for captured CO₂ for our consortium members."

Manolis Kotzabasakis, Executive Vice President, Products, AspenTech

"For years, Aspen Plus has helped our customers to turn their design and optimization challenges into opportunities. The new Aspen Plus enhancements make it even easier for companies to optimize their energy management and emissions and increase profitability. Our tireless commitment to product innovation helps AspenTech maintain its leadership position as customers find new and better ways to meet today's energy optimization challenges using our software."

Supporting Resources

- [aspenONE Engineering Emissions Management Landing Page](#)
- [About aspenONE Engineering](#)
- [About Aspen Plus](#)
- [AspenTech YouTube Page – Introduction to Aspen Plus CO₂ enhancements](#)
- [Press Release - AspenTech Streamlines Greenhouse Gas \(GHG\) Compliance in New Release of aspenONE® Software](#)
- [AspenTech Twitter Page](#)
- [AspenTech Facebook Page](#)

About AspenTech

AspenTech is a leading supplier of software that optimizes process manufacturing – for energy, chemicals, engineering and construction, and other industries that manufacture and produce products from a chemical process. With integrated aspenONE solutions, process manufacturers can implement best practices for optimizing their engineering, manufacturing and supply chain operations. As a result, AspenTech customers are better able to increase capacity, improve margins, reduce costs and become more energy efficient. To see how the world's leading process manufacturers rely on AspenTech to achieve their operational excellence goals, visit www.aspentech.com

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