

# Aspen OTS Framework

*Best-in-class technology to configure and build Operator Training Simulator applications*

AspenTech has a rich heritage in the Operator Training Simulator (OTS) market and offers a single integrated platform for Process Training and Operator Training Simulators using best-in-class software components. This technology is used by a network of AspenTech partners to build and deploy Process Training and OTS applications for joint customers. *Aspen OTS Framework* is a core element of AspenTech's aspenONE™ Process Engineering applications.

## Key Benefits

Over 200 OTS applications have been built using AspenTech solutions. AspenTech's next-generation OTS solution leverages proven technologies with new software advancements.

- **Improve safety and reduce risk** while maximizing the value of process models in operations throughout the plant lifecycle.
- A single integrated offering for Process Trainers/OTS using best-in-class software components provides an **optimum solution to meet training requirements**.
- Supports the partitioning and configuration of a large dynamic process model across multiple CPUs to **improve performance through faster solution times**.
- Technology offered through partners with expertise in specific vertical and geographical markets provides a **truly comprehensive solution** to customers.

## ||||||| Reduce Risk, Improve Plant Performance

Today's process manufacturers are looking to bring the value of modeling technology into other areas of operations, specifically OTS applications. *Aspen OTS Framework* leverages AspenTech's dynamic simulation technology to help you create OTS applications that integrate with actual or emulated DCS hardware and control systems. Companies have used these models to train control room operators and plant engineers in the process and control behavior of the plant. *Aspen OTS Framework* is an effective way of managing operations, improving safety, reducing cost, and preventing unscheduled downtime.

## ||||||| Key Technical Features

- **Dynamic Simulation Process Models** are the core of an OTS application. Aspen HYSYS Dynamics™ and Aspen Plus Dynamics™ support modeling applications across the entire lifecycle of a plant, from steady-state design to offline engineering studies to on-line operational models.
- **Simulator Executive Framework** provides a configuration mode used to set up all of the required data links between the dynamic model(s) and the other components of an OTS application. This framework also coordinates and synchronizes the integration of the dynamic models, and manages the exchange of stream data and commands between the various OTS components.

