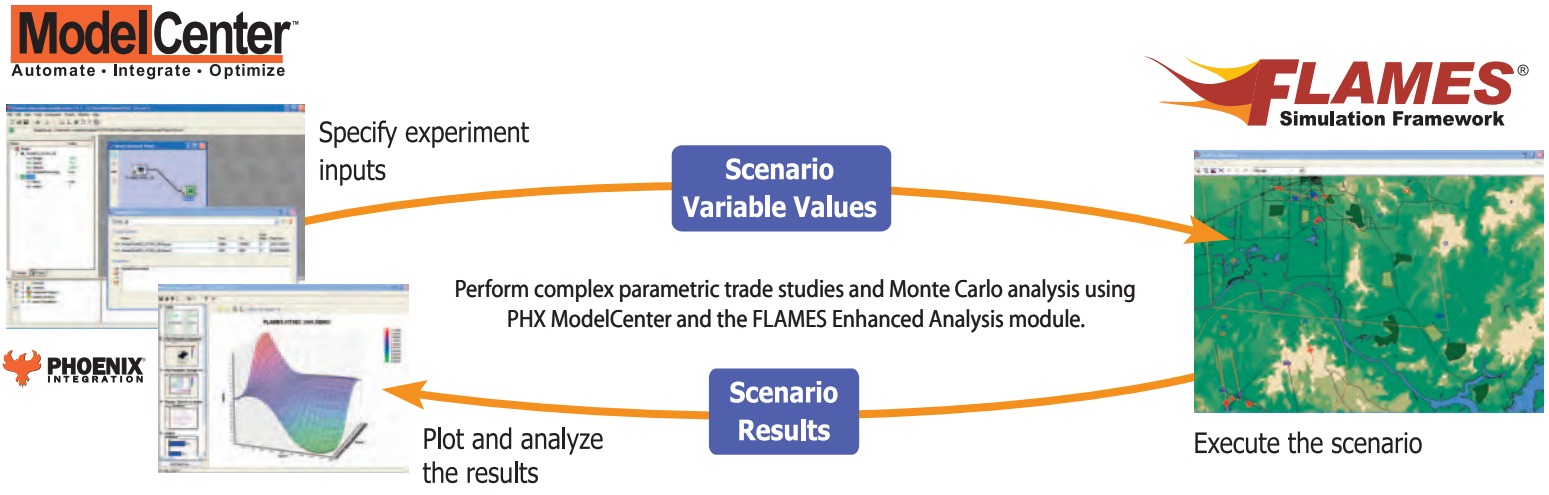
FLAMES® Simulation Framework

Use FLAMES and PHX ModelCenter for Serious Systems Analysis Tasks

FLAMES® is the framework of choice
for almost any constructive simulation, including constructive simulations used for complex system design and analysis.

By adding the FLAMES Enhanced Analysis module to your FLAMES-based simulation, you are ready to perform Monte-Carlo analysis and parametric trade studies that vary and analyze almost any aspect of your scenario imaginable.

Certain features of the FLAMES Enhanced Analysis module allow FLAMES-based simulations to be used with third-party "design of experiments" tools, such as PHX ModelCenter developed by Phoenix Integration.



Use FLAMES and PHX ModelCenter together to perform "serious" systems analysis tasks by following these steps:

1. In FLAMES, define "scenario variables" to represent the scenario inputs that you would like to vary in your study.
2. In PHX ModelCenter, specify the range of values for each FLAMES scenario variable and the scenario outputs you wish to study.
3. Sit back and relax while PHX ModelCenter automatically executes FLAMES repeatedly with different combinations of scenario variable values until the desired results are generated.
4. View the results using PHX ModelCenter's powerful plotting capabilities.

With FLAMES and PHX ModelCenter, you can

- Study almost any aspect of any scenario
- Complete complex studies quickly and easily
- Perform studies you never thought possible

TERNION® CORPORATION
Simulations That Work℠

About Phoenix Integration

Phoenix Integration® provides a wide range of innovative technologies and solutions for creating, using, and maintaining modeling and simulation systems. Its products are used by Fortune 500 companies and government agencies that focus on product/process improvement. Phoenix Integration's services include both custom application development and modeling & simulation process management consulting.

Phoenix Integration software enables the following decision support capabilities:

- The PHX ModelCenter® software provides integration across a distributed environment and design exploration capabilities
- PHX CenterLink® provides a web portal repository for models, analysis results, and trade studies, as well as parallel computing capabilities for running complex trade studies
- Optimization techniques, such as multi-objective optimization, evolutionary computation, and surrogate modeling
- Multi-criteria analysis, visualization of alternatives, risk modeling, and probabilistic tools

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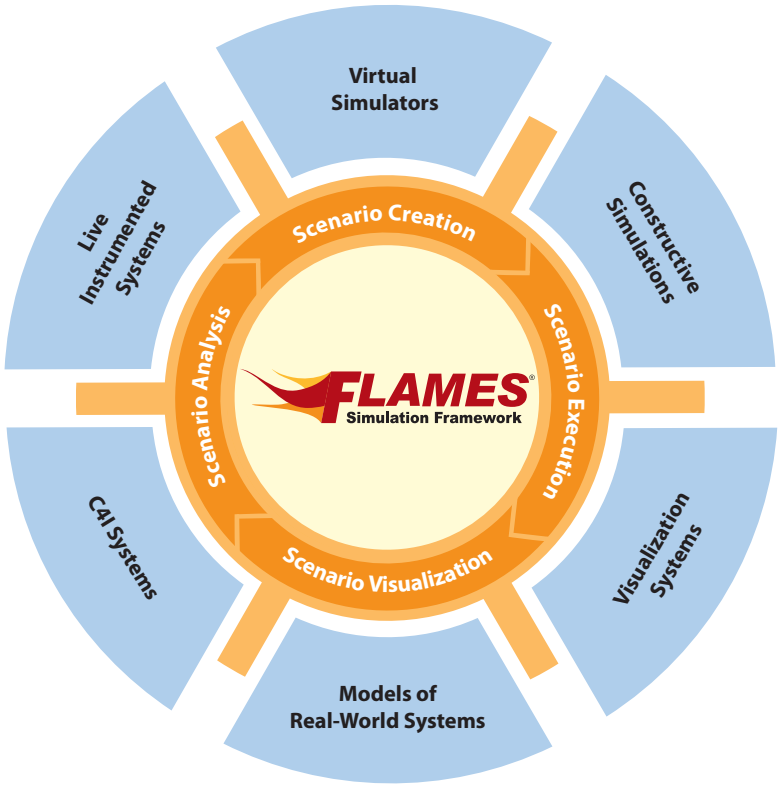
FLAMES® is a powerful simulation framework that addresses all aspects of constructive simulation development and use, including customizable scenario creation, execution, visualization, and analysis, as well as interfaces to constructive, virtual, and live systems. FLAMES minimizes the amount of software development needed to get a full-featured, working simulation. At the same time, the open, object-oriented architecture of FLAMES gives you the flexibility to modify or enhance your simulation as necessary to meet your specific requirements. Get the simulation you need, when you need it, with FLAMES.

Since 1989, Ternion Corporation has provided quality commercial simulation products and custom software development and support services to government and commercial organizations worldwide. Ternion is a privately held, employee-owned company located in high-tech Huntsville, Alabama.



FLAMES-Based Simulation System

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