

Proven Solution for Live Virtual Constructive

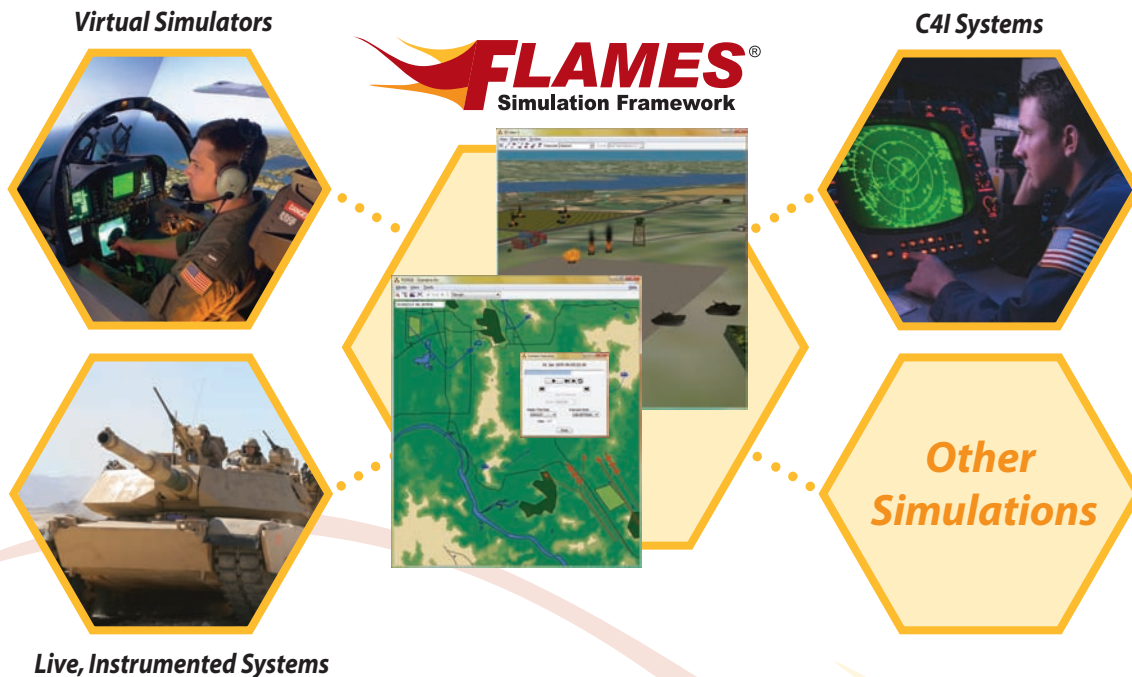
FLAMES[®] is often the ideal framework for many types of simulations, including constructive simulations that are intended to interact with virtual simulators and live (real world) systems.

FLAMES has the ability to integrate models of almost any type of entity and to support interfaces to almost any live or virtual system. That's why so many organizations around the world have developed their testing, training, and mission rehearsal systems using FLAMES (see back for details).

How FLAMES Interfaces with LVC Systems

FLAMES supports DIS and HLA interfaces to legacy systems. In addition, FLAMES supports a unique, high-performance interface called the Interactive Server (ISV) that was specially designed to address the demanding requirements of integrating live, virtual, and constructive (LVC) systems.

The ISV supports many features not available in DIS and HLA, including the ability to communicate directly with command, control, communications, computer, and intelligence (C4I) systems using real-world tactical messages. Custom external system interfaces can be and have been integrated into FLAMES, as well.



Learn More

Contact Ternion[®] to learn how FLAMES can integrate your live, virtual, and constructive systems.

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Benefits of using FLAMES for LVC

- Proven capability in numerous, existing testing and training systems
- DIS, HLA, and high-performance interfaces to live and virtual systems
- Specialized support for interfaces to C4I systems
- Deployed with operational systems for “in-garrison” training capability
- Fully customizable models and applications
- Used successfully by programs worldwide (see back for details)

FLAMES is used in some of the most advanced testing, training, and mission rehearsal systems in the world. In addition, it appears that FLAMES-based simulations are the only simulations in the world to be deployed as integrated segments of real-world systems to provide in-garrison training capability. Here is a sample of Live Virtual Constructive (LVC) simulation programs that use FLAMES.

The Integrated Training Capability (ITC) for the NATO Combined Air Operations Centers (CAOCs)

NATO Live Virtual Constructive (NLVC) capability

U.S. Air Force Command and Control Weapon System Part Task Trainer (C2WSPTT) for the Theater Battle Management Core Systems (TBMCS)

U.S. Air Force Distributed Mission Operations (DMO)

U.S. Army Command, Control, and Communications Driver (C3 Driver) for the Army Battle Command System (ABCS)

U.S. Air Force Research Laboratory, Vehicles Directorate (AFRL/RB) aircraft virtual simulators

U.S. Marine Corps Common Aviation Command and Control System (CAC2S) integrated testing and training simulation

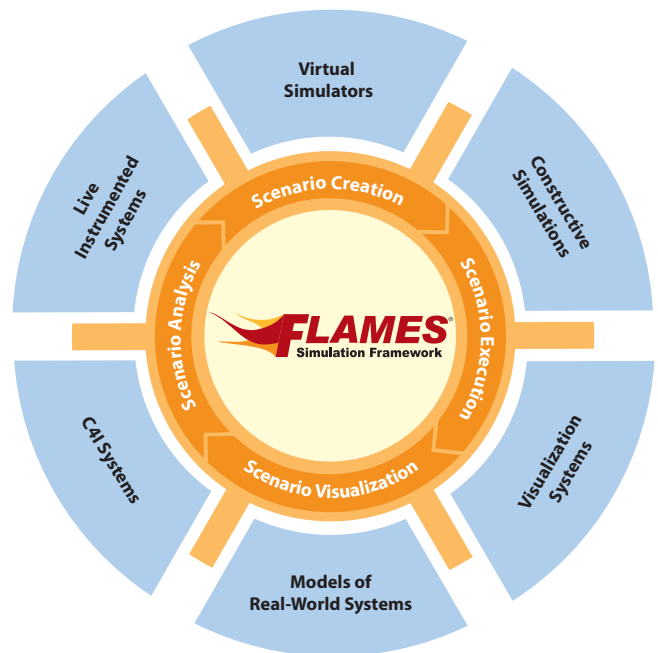
Republic of China (Taiwan) Air Force Distributed Wargaming System (DWS)

U.S. Marine Corps Predator anti-tank missile, hardware-in-the-loop avionics test simulation

Japan Ministry of Defense Type 90 tank simulator

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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