

SIMULATION \

STAGE

POWERFUL RE-CONFIGURABLE VIRTUAL FORCES SIMULATION SOLUTION



AN END-TO-END SCALABLE AND EXTENSIBLE SIMULATION SOFTWARE

STAGE from Presagis is simulation software that provides the ability to generate and execute complex scenarios for training and analysis. This off-the-shelf tool allows programmers and non-programmers alike to build and simulate dynamic, interactive, and complex tactical or operational scenarios. In addition, by leveraging the Presagis Worldwide Database as well as their own source data, this software solution also enables users to simulate actions that occur anywhere on the globe without having to search for data, create a database, or spend resources on database creation.

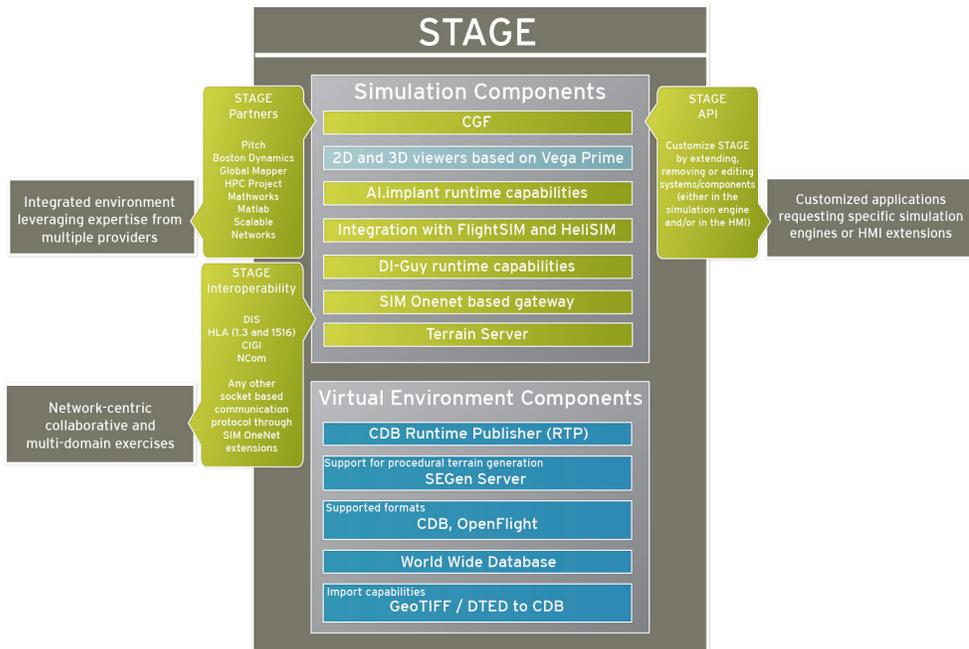
From flight simulation training to new concepts analysis, STAGE is the ideal tool for solving critical problems in simulation applications, including:

- System Specification and Design Analysis
- Operational Research
- Virtual Test Bench
- Battle-Lab, Command & Control
- Military Embedded Training
- First Responder & Homeland Security
- Network Centric Operations

STAGE is used in some of the most advanced simulation installations, including Boeing, SAAB T3SIM, GD Canada, Northrop Grumman Advanced Hawkeye Simulator, and the U.S. Air Force Distributed Mission Operations Center (DMOC).

Drawing on more than 15 years of Presagis global leadership and pioneering expertise in the modeling and simulation industry, STAGE is the premier in-house, re-configurable virtual forces simulation solution.





High level representation of STAGE components

Plug-in based architecture: Through its open API and plug-in architecture, STAGE can be integrated with most existing software applications. With STAGE, the user can also:

- Easily integrate new libraries and components built on the framework of the existing API
- Customize the GUI with almost no limitation
- Create dock-able windows
- Add/remove or extend simulated systems
- Personalize both views and the application itself

Common Database, terrain services, ground navigation, and tactical display:

The STAGE 2D and 3D Viewer (based on Vega Prime), terrain services, artificial intelligence, and tactical display are all based on common technology. This commonality allows for perfect out-of-the-box correlation within the application and eliminates the need for time-consuming format conversions.

Advanced mission editing: STAGE allows the user to create and modify complex missions without coding through the “event-action” concept. STAGE can be fully customized through user entered events and user coded extensions of available procedures.

Backend code generator with intuitive GUI:

STAGE allows the user to extend the data that defines the existing models in STAGE Scenario. The user can create data sets defining custom models with the GUI, multi-language support, and communication mechanism created specifically for the user.

Industry-leading integrations: STAGE is already integrated with most Presagis software, including FlightSIM, HeliSIM, AI.implant, SEGen Server, SIM OneNet, and Vega Prime. By leveraging expertise from multiple providers and by using its extensive partner ecosystem, Presagis is bringing the best to STAGE.

Supported Formats

- CDB Support :
 - Read CDB natively
 - Create scenarios anywhere in the world
 - Simulation, AI.implant, 2D and 3D viewer read data directly from the same source
- OpenFlight Support :
 - Leverage existing databases
 - Leverage standard-based databases
- Supported input formats :
 - Imagery in GeoTIFF format—WGS84 & Geographic earth models only
 - Elevation data in DTED (0,1,2) format
- Global Mapper Integration :
 - STAGE includes an integration with Global Mapper that provides the user with the ability to overlay GIS data on top of the Tactical Display (TD) in order to provide situational awareness that is reflective of real world operational systems.

Supported Platforms

Windows® 2000/XP/7
Red Hat Enterprise Linux

