

VBS® BUILDER EDITION



Build and launch complex simulations faster

VBS® Builder Edition empowers simulation developers to author and deploy complex simulation solutions at lower costs rapidly.

At a Glance

VBS Builder Edition enables developers to quickly create distributed simulations leveraging the power of VBS. This solution supports the development of new military systems or any system that requires a high-fidelity, fully simulated virtual world.

VBS Builder Edition includes:

- Over 19,000 3D models including over 8,000 3D moving models
- Easy-to-use and full-featured content development workflow
- Terrain and scenario editor
- Scripting and software development toolkit (SDK)
- Customizable deterministic entity-level AI with civilian and military behaviors
- Support for over 250 human participants per scenario
- Terrain that covers the whole Earth
- (and more!)

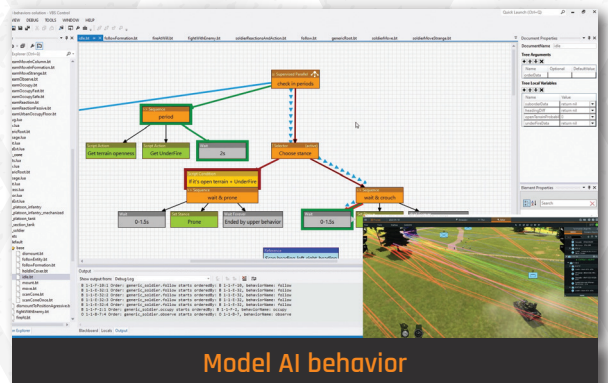
Realize the full potential of your simulation with VBS Builder Edition.

Key Benefits

Integrate custom hardware: With VBS Builder Edition, developers can quickly integrate custom hardware interfaces for VBS. VBS Builder Edition has an extensive API that allows developers to inject data from external devices, such as Human Machine Interfaces (HMIs), or use VBS simulation to drive external devices, such as motion platforms.

Model AI behavior: VBS Builder Edition includes the VBS Control Editor, which allows the construction of new behaviors for soldiers and vehicles within VBS. Using the editor, developers can create new behaviors based on custom doctrines, e.g., for emerging adversarial threats.

Use custom physics models: Developers can integrate external systems/simulations into the VBS environment. For example, fully validated external physics models can be integrated to replace the default vehicle physics provided by VBS fully.



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Customize the UI: Developers can extend the VBS user interface by adding multiple rendering viewports, or spawning external windows, which can contain camera views attached to VBS entities such as UAVs. Custom interactive HTML5 web-based UI elements can be created, and overlaid onto the simulation.

Develop weapon platforms: Users can import new 3D content in industry standard (e.g. FBX) formats, quickly configure animations, and implement custom weapon systems, ballistics, and AI, and sell these new platforms to VBS users.

Partnership & Growth Opportunities

By choosing VBS Builder Edition, you're not just buying a product; you're investing in the future of your organization.

Developers become BISim partners, reselling VBS as part of their solution to their customers, creating a new revenue opportunity. Join developers and systems integrators such as KONGSBERG, Savronik, and the Norwegian Defense Research Establishment who are already using components of the VBS Builder Edition to develop and launch plugins and simulation solutions.

- **Revenue Streams:** Become a BISim partner, and either resell VBS to new customers or leverage the massive existing VBS user base to sell your plugins and/or content.
- **Community & Support:** Join the VBS Builder Community or subscribe to our Gold support for collaborative development and expedited assistance.

KONGSBERG has been using the VBS Simulation SDK, a key feature of VBS Builder Edition, to develop a high-fidelity Remote Weapon Systems Training Simulation. Pia Andersen, the Program Director Through Life Support at KONGSBERG, said, "Our CORE™ Training Simulator, combined with the stunningly realistic virtual world provided by VBS, is more engaging, which improves knowledge retention and drives behavioral change. We used the VBS Simulation SDK to integrate real equipment with VBS."

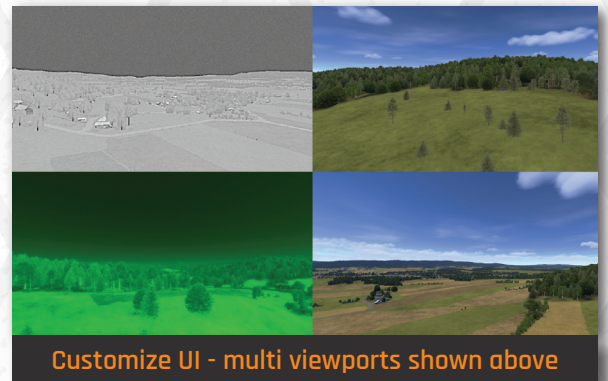
Your Vision, Our Technology

With the VBS Builder Edition, the only limit is your imagination. Whether you're looking to enhance training programs, simulate intricate environments, or innovate within the realm of virtual simulations or games, our platform provides the tools and support needed to bring your visions to life.

Build and launch complex simulations faster - discover VBS Builder Edition today!



Custom physics models



Customize UI - multi viewports shown above



Implement custom weapon systems

