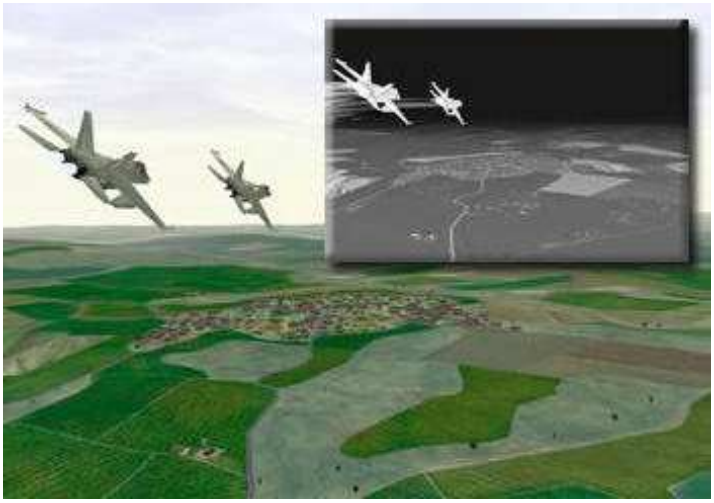
High-performance solutions: Vega simulation software on Compaq Windows NT platforms

Advanced real-time 3-D visualization environment for Alpha, Intel systems

Vega™, MultiGen-Paradigm Inc.'s industry-leading simulation software environment, slashes development times for real-time visual simulation, virtual reality, and general visualization applications for Windows NT™ on Compaq AlphaServer™ and Professional Workstation systems. Compaq high-performance Alpha™ and Intel® systems with PowerStorm™ graphics offer Vega users in aerospace, defense, transportation, and virtual reality disciplines unequaled performance and development productivity. (See special offer below)



Vega display showing both normal imaging and sensor capabilities

Vega Highlights:

Vega software combines advanced simulation functionality with easy-to-use tools to build interactive, real-time 3D environments quickly and easily for rapid prototyping as well as developing, editing, and running sophisticated applications.

Vega is tightly integrated with specialty modules from MultiGen-Paradigm, members of the MultiGen-Paradigm Solution Group consortium, and other third-party developers, to satisfy specific needs of marine, sensor, automotive, rail, flight, and other applications requiring visualization.

The Compaq Advantage

Compaq delivers the widest range of systems with leading price/performance to meet your most demanding needs for developing and running technical applications. Today, Compaq offers you the industry's highest-performance UNIX® and Windows NT workstations and servers as well as storage, networking, operating environments, and the best support services to handle your most complex tasks. Compaq systems range from single-processor Professional Workstations to AlphaServer SMP configurations containing up to 14 processors, including the new, record-setting Alpha 21264.

Dual-processor Alpha Ultimate Workstation

Vega (continued)

Vega software on Compaq Alpha and Intel computers has been widely adopted by U.S. Armed Forces, government agencies, and major defense contractors to build simulated environments for mission rehearsal and other training systems. International customers use Vega for design, defense, and telecommunications research. Compaq offers Vega software bundled on selected Alpha and Intel systems for U.S. government procurement programs.

LynX GUI

Vega includes LynX, an easy, point-and-click X/Motif graphical environment that enables both programmers and non-programmers to perform visual software development, system configuration, model and observer control, and program execution. Users can customize LynX seamlessly to include new panels and features. LynX Active Preview renders changes instantly. For greater control, developers can access the C language API for real-time graphics and ssociated libraries.

Vega-MP

In multiprocessing environments, Vega Multi-Process (Vega-MP) logically distributes visual system processing across available processors and allows users to customize the system configuration and task assignments for optimal performance.

Vega-SP

Vega Single-Process (Vega-SP), MultiGen-Paradigm's price/performance value leader, is ideal for building applications with a single process runtime model. Vega-SP is fully compatible with all Vega-MP development features as well as current and future Vega add-on modules.

Vega-SP special offer

For a limited time, Vega-SP software is available free of charge to purchasers of new Compaq Alpha or Intel systems running the Windows NT operating system. Buyers receive a special coupon upon purchase, redeemable by MultiGen-Paradigm for a free copy of Vega-SP.

Compaq (continued)

Compaq strengths:

- *Ultimate performance* from workstations and servers based on Alpha and Intel microprocessors, with peak execution rates as high as 2.4 billion operations per second.
- *PowerStorm graphics* for clarity, detail, and the speed you need to visualize your results effectively, with the industry's best price/performance.
- *Affordable supercomputing* at a fraction of the cost of traditional supercomputers, with the true 64-bit Alpha architecture, Very Large Memory, and shared-memory clusters using the high-bandwidth, low-latency Memory Channel™ and up to 112 Alpha microprocessors.
- *Multiple operating system support* comprising Digital UNIX from Compaq, Windows NT, and fully interoperable environments of UNIX servers and Windows NT clients.
- *GIGAswitch™ and MultiSwitch™ 900* backbones for high throughput in networked, high-performance computing environments.
- *StorageWorks™* products with multi-terabyte capacity to archive large volumes of data.
- *Investment protection* and enhancement through continued performance and quality leadership with unmatched scalability, supporting applications of any size and from one to thousands of users.
- *System support and integration services* to ensure the best application performance, the highest availability, and most efficient use of your equipment.

Better programming productivity.
Faster prototyping.
Shorter time to market.

Think Compaq and Vega.

For more information, see
www.digital.com/info/hpc
or
www.paradigmsim.com

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