



# The Unstoppable Compaq Advantage



## New AlphaServer GS Series

### Compaq and BCD Modelling — Using simulation technology to save lives

*“The scalability of the new AlphaServer GS series lets us portray a very detailed battlefield simulation and expand it without limit, delighting customers, who must no longer choose between accuracy and scale. OpenVMS provides security, flexibility, and scalability levels that are unmatched. This combination puts us at the top of our market.”*

*Patrick Benham-Crosswell  
Managing Director  
BCD Modelling*

For too long, training military and emergency personnel under real-world conditions was too hazardous and too expensive. Simulators were an option, but they lacked realism and value. Until now. With BCD Modelling’s simulation and training tools, you can overcome any obstacle.

#### **One life saved is a victory**

In the worlds of military necessity and emergency management, comprehensive training is critical. Good decisions made under stressful conditions save lives. So, don’t take chances when choosing your technology partners.

You need proven leaders. BCD Modelling solutions running on *Compaq AlphaServer* GS systems provide the most advanced training simulation team on the planet. BCD Modelling offers two software products that deliver “war-game” style training for military organizations (CAEn) — and civilian and emergency management agencies (TUTOR). Originally developed by the UK Defence and Research Agency, these products are engineered exclusively for *Compaq AlphaServer* GS systems running the *Compaq OpenVMS* operating system and Windows® PCs.

CAEn and TUTOR provide the tools you need for operational analysis, mission rehearsal, commander training, risk analysis, procedure evaluation, and threat management. Plus, civil service decision-makers can visualize, analyze, simulate, and prepare for large and small civil crises.

Furthermore, CAEn and TUTOR enable simultaneous training of leaders and personnel. Each user is shown only the information available to the units he or she controls. Without question, BCD Modelling provides the robust simulation needed to improve military tactics, manage crises and civil disasters — and save lives.

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## Performance and user satisfaction

Simulation is only useful if it is realistic. The *Alpha* microprocessor, the most powerful on the planet, lets the TUTOR application environment provide incredibly realistic training, enabling accurate and instantaneous simulation of hazards, environments, objects, speed, movement, and more.

And by using the *Compaq AlphaServer GS* series as the central system, BCD's CAEn application ensures that accurate calculations — and instantaneous feedback — reach the right people in all situations, making their experience invaluable.

During training, CAEn and TUTOR scenarios have full event recording and playback in a PC-compatible format so they can be analyzed and evaluated later. This capability gives trainees a chance to learn from their mistakes — before they make them under real-world conditions.

## Unlimited scalability and reliability

The *Compaq AlphaServer GS* series — consisting of *Compaq AlphaServer GS80* systems, *Compaq AlphaServer GS160* systems, and *Compaq AlphaServer GS320* systems — is an enterprise-class server family. Based on a foundation of very high system capacity, performance-enhancing infrastructure, economic scalability, and robust data center features, the *AlphaServer GS* series employs a modular design that allows the customer to start inexpensively and easily add capacity.

Moreover, the relatively low entry price and scalability of the *AlphaServer GS* series broaden BCD Modelling's appeal, allowing you to start small and grow seamlessly to accommodate many users and many terabytes of storage. *Why? AlphaServer GS* systems scale without service disruption, making them cost-efficient. In addition, Compaq storage technologies such as Fibre Channel RAID and *Compaq SANworks* Storage Area Network architecture help ensure 99.99% data availability.

## Partitioning and the *OpenVMS Galaxy* advantage

The *Compaq OpenVMS* operating system is a trusted solution that provides resilience to interruptions, allows you to respond rapidly to demand changes, and delivers high performance to handle the toughest assignments. Equally important, the *AlphaServer GS* series supports both soft system partitions, through *Compaq OpenVMS Galaxy* software architecture — and hard partitions, through hardware and firmware support.

These software solutions enable you to run multiple *OpenVMS* instances on a single system, enhancing performance. In fact, *OpenVMS Galaxy* software architecture instances function as complete *OpenVMS* systems — and offer multiple I/O channels — harnessing all system power and providing better response times, even while adding users. The power of these Compaq operating systems also helps BCD Modelling to develop an Application Service Provider (ASP) model.

This ASP model opens up BCD's products to new customers such as agencies that do not need a dedicated solution, but rather, need to train or re-train personnel quickly to react to events like environmental or natural disasters.

## How to learn more

To learn more about how BCD Modelling applications running on *Compaq AlphaServer GS* systems can help you save time, save money — and save lives — call 1-800-AT-COMPAQ. Or visit [www.compaq.com/alphaserver](http://www.compaq.com/alphaserver), or call your local Compaq representative.

For more information on BCD Modelling applications, visit [www.bcd-modelling.com](http://www.bcd-modelling.com)

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## For more information

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