

the key to success:  
change without risk

“The success of WITNESS simulation in improving our environmental compliance process convinced management to commission a study of all the organisation’s business processes.”

**Dan Holder and Ray Harrell**  
U.S. Army Redstone Arsenal

simulation solutions  
for managing change

military organisations,  
government agencies,  
and defence companies  
rely on WITNESS

In no other industry are the stakes as high to implement change effectively than the military. Military organisations are under constant pressure to streamline processes while ensuring combat readiness, agile support and service reliability. Whether they’re preparing equipment for operations, distributing supplies, organising aircraft departures or deploying troops and artillery, the military is under the gun to improve response times. By the same token, they cannot afford to implement changes that introduce inefficiencies into their processes.

In an industry where survival forces you to implement so many changes so quickly, the risks of making mistakes are enormous. How can you make changes with the certainty they’ll achieve their intended results? Several military organisations have turned to Lanner for answers.



**Lanner works with the military to manage the risk of change in a wide range of processes, from equipment refurbishment and supply chain management to environmental compliance and deployment logistics.**

Lanner’s WITNESS simulation solutions help a wide range of military organisations to predict the outcome of change on their activities. By showing the impact of proposed changes before you commit to them, WITNESS helps increase response times, maximise resource utilisation, and improve deployment and support—all while ensuring service reliability. With WITNESS, you can model virtually any process, whether it involves maintenance, supply, deployment or general business activities. When you set your model in motion, WITNESS enables you to identify exactly where the problems are, and lets you experiment with changes until you arrive at the best solution. This gives you confidence that your decisions will achieve their intended results—before you commit vital resources to change.

Several military organisations, government agencies, and defence companies rely on WITNESS to help improve their processes. Here are two examples:

- **The Army Redstone Arsenal** saved £200,000 annually by improving its environment compliance process.
- **The Air Force Research Lab** developed a custom tool with WITNESS to reduce response planning and deployment cycle time (see pictures on back).

Many more military-related organisations are achieving similar results with WITNESS. They include the Rock Island Arsenal, the Red River Depot, AMCOM and TACOM; nine Air Force Bases (Eglin, Hill, Langley, Peterson, Randolph, Robins, Scott, Tinker and Wright-Patterson) and the Naval Air Warfare Centre; the Departments of Energy and Public Safety, the Drug Enforcement Administration, the Postal Service, NASA, and Sandia Labs; Boeing, Honeywell, Lockheed Martin, Raytheon and United Technologies.

making a real impact  
on combat readiness  
and service reliability

solving a wide range  
of business problems

the world's leading  
simulation solution

#### **WITNESS in the military**

The leading discrete event simulation software for the military, delivering reduced deployment times, greater service reliability, more agile combat support, and better operational efficiency

learning more about  
WITNESS and Lanner

---

Lanner's military and defence-related clients have reported several quantifiable benefits from using WITNESS, including:

- Faster change implementation with ensured service reliability
- Reduced response planning times and deployment execution cycles
- Increased capacity through better resource utilisation
- Accelerated global mobility and more agile combat support

WITNESS users also report such intangible benefits as greater confidence and less risk in decision making, better communication and team integration, and faster buy-in to proposed changes.

---

One of the strengths of WITNESS is its flexibility. This makes it ideally suited for use in the military, where manufacturing, maintenance and repair, supply, deployment, and support involve such diverse processes. WITNESS can be used to address operational issues in such areas as:

- service level reliability
- part refurbishment
- supply chain logistics
- environment compliance
- deployment scheduling
- air traffic flow
- combat support logistics
- border patrol coverage

---

WITNESS is recognised as the world's best selling simulation tool across all markets. One reason why WITNESS is so dominant in the military is that it's easy to use. In a short amount of time, customers can get up to speed on WITNESS, build their models, and start identifying the best solutions for improving their processes. WITNESS is also flexible enough to handle the multiplicity of applications for which military organisations use simulation. Customers also cite its ease of use and "what-if" analysis features as important reasons for investing in WITNESS.



The Air Force Research Laboratory used WITNESS to develop a custom application called LOGCAT (Logistician's Contingency Assessment Tool), a decision support tool that reduces response planning and deployment cycle time.



---

For more information on WITNESS for the defence sector, email us at [info@lanner.co.uk](mailto:info@lanner.co.uk) or contact us on +44 (0) 1527 403400.

#### **Lanner Group Limited**

The Oaks, Clews Road, Redditch, Worcestershire, B98 7ST  
Ph: 01527 403400 Fax: 01527 404452 Email: [info@lanner.co.uk](mailto:info@lanner.co.uk) [www.lanner.com](http://www.lanner.com)

WITNESS and the Lanner logo are trademarks or registered trademarks of the Lanner Group, Ltd.