Case Study: How TrinWare Helped the Nations Leader in Simulations Deploy Military-Grade VR Training Solutions

Client Overview
- **Company**: Leader in Simulation
- **Industry**: Virtual Reality (VR) & Motion-Based Simulators
- **Application**: Military and Professional Training
- **Key Stakeholder**: Co-Founder
- **Location**: Orlando, FL

Introduction
This client, a leader in VR-based training solutions, specializes in motion-based simulators for entertainment centers and military training programs. After securing a contract to deliver 81 VR training simulators to the U.S. military, this client required a hardware partner capable of providing high-performance, TAA-compliant computing solutions within strict deployment deadlines.

TrinWare delivered a complete solution, providing military-compliant MSI laptops, pre-imaging services, and customized hardware configurations that enabled this client to meet its contract requirements on schedule.

The Challenge: Hardware Limitations and Rapid Deployment
Before partnering with TrinWare, this client faced several key challenges:

Hardware Sourcing and Compliance
- The military contract required TAA-compliant laptops, limiting available options.
- Off-the-shelf solutions lacked the necessary durability, performance, and security configurations.
- Previous vendors did not offer a viable TAA-compliant laptop solution.

Customization and Security Requirements
- Military security protocols required the removal of Wi-Fi and Bluetooth adapters.
- This client needed pre-imaged laptops with fully configured software to streamline deployment.

Tight Production and Deployment Timeline
- This client had less than five months to procure, configure, and deploy 81 simulators.
- Delays in sourcing, imaging, or deployment could have resulted in contract penalties and operational setbacks.

Post-Deployment Reliability
- The US military expected the hardware to perform in field conditions and required vendor support for any failures.
- Hardware needed to be durable enough to withstand demanding training environments.

"The computers are the brain of our platforms. If they fail, the entire system fails."
– Co-Founder, Leading Simulation Company

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TrinWare needed to provide not just hardware but a fully integrated and scalable solution.

The Solution: Custom Hardware and Imaging Services by TrinWare
TrinWare developed a tailored solution that met all of this client's project requirements:

TAA-Compliant MSI Laptops
- Provided high-performance MSI laptops that met strict TAA compliance standards.
- Ensured top-tier graphics capabilities for advanced VR-based training.

Customized Security Configurations
- Removed Wi-Fi and Bluetooth adapters to meet military cybersecurity requirements.

Pre-Deployment Imaging Services
- Fully configured and imaged all 81 laptops before shipment, reducing on-site setup time.
- Delivered plug-and-play functionality, eliminating manual configuration.

Full-System Testing and Quality Assurance
- Conducted pre-shipment hardware testing to ensure reliability before deployment.
- Facilitated a full acceptance test by the US military at this clients facility.

Seamless Vendor Support
- Provided post-deployment support, including direct MSI assistance for hardware replacements.
- Addressed field issues, including accidental damage, to minimize operational disruptions.

"TrinWare's flexibility and attention to detail were invaluable. Their imaging services and military-compliant hardware allowed us to execute this project seamlessly."
– Co-Founder, Leading Simulation Company

Results: A Successful Deployment and Future Expansion
TrinWare's customized computing solution enabled this client to meet its contract deadlines while ensuring long-term performance and scalability.

Key Outcomes
- Successfully deployed 81 military-grade VR training simulators on schedule.
- Reduced setup time by 30 percent due to pre-imaged systems.
- Achieved 100 percent TAA compliance.
- Maintained 99.8 percent uptime during initial deployment.
- Established an ongoing partnership for future VR-based military training initiatives.

Conclusion: Powering the Future of VR-Based Military Training
This clients success in delivering military-grade training simulators would not have been possible without a hardware partner that could meet the stringent performance, security, and compliance requirements of military contracts.

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Through customized solutions, rapid deployment capabilities, and ongoing vendor support, TrinWare ensured a seamless execution while laying the groundwork for future scalability in military training initiatives.
"TrinWare wasn't just a vendor—they were an extension of our team. Their expertise, flexibility, and attention to detail made all the difference in the success of this project."
– Co-Founder, Leading Simulation Company

Contact Us
For more information on how TrinWare can support your simulation and training needs, reach out today:
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