OLMOS and blackshark.ai Announce CDBCompliant Terrain Generation Solutions at I/ITSEC 2024

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[OLMOS Technologies](), a provider of professional simulation, and [blackshark.ai](), renowned for its AI-powered 3D terrain generation, announce significant advancements in their joint offerings at I/ITSEC 2024. These enhancements deliver cutting-edge capabilities to customers in the defense and professional simulation industries, unlocking new potential for existing simulators and image generators (IGs).

This partnership introduces a range of new features that deliver CDB-compliant visuals with unmatched quality, performance, and integration for users of CDB, OpenFlight, and other standard terrain formats. blackshark.ai and OLMOS solutions are tailored to meet the evolving demands of simulation technology, providing seamless upgrades and unlocking new opportunities for enhanced training experiences.

Seamless Terrain Integration with blackshark.ai :

The standout feature of the collaboration is the integration of blackshark.ai's terrain data into existing CDB and other proprietary simulation systems like Rockwell Collins, CAE, INDRA and Quantum3D, made possible through OLMOS' BLSK to CDB converter service. This tool enables customers with extensive terrain databases or IGs to instantly benefit from blackshark.ai's AI-generated terrain's exceptional detail and realism, without the need for a complete system overhaul.

Key features include:

   - **Instant Access to AI-Powered Terrain:** blackshark.ai's technology delivers stunning global scale terrain generation that seamlessly integrates directly into simulators, dramatically enhancing   visual diversity and environmental realism.

   - **CDB Compatibility for Sensor Simulation:** With OLMOS' expertise in CDB databases, blackshark.ai terrain data is fully compatible with sensor simulation, allowing users to maintain essential functionalities seamlessly.

   - **Enhanced Visual Realism:** blackshark.ai's AI powered terrain generation significantly enhances visual diversity, delivering the highest-quality visual experiences without compromising speed, performance and scalability.

Enhancements for Current IG Users:

For users operating with established terrain databases or running IGs based on formats like CDB or OpenFlight, the partnership brings essential updates, that ensure seamless integration and enhanced functionality:

- **Efficient Terrain Data Integration:** Users with extensive terrain databases can now unlock the power of blackshark.ai's AI-powered generation, seamlessly merging it with their existing data for a faster, more efficient workflow.

- **Scalability and Performance Gains:** This partnership provides significant performance enhancements, enabling customers to experience next-level realism without sacrificing efficiency or scalability.

Image: blackshark.ai terrain in UK, integrated via OLMOS BLSK2CDB converter into Quantum3D´s Mantis IG.

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Industry-Leading Sensor Simulation and Terrain Data Accuracy:

- The blackshark.ai terrain data enhances sensor simulations, maintaining compatibility while increasing accuracy and variety. This is crucial for defense training, enabling more complex and realistic scenarios that closely replicate modern operational environments.

Performance Improvements:

- The new integration allows blackshark.ai terrain data to operate smoothly within existing platforms, minimizing any operational disruptions. The autogeneration capabilities enable users to scale up their environments effortlessly, maintaining speed and efficiency, while delivering significant performance enhancements for simulation environments.

Widespread Use and Applications:

- Globally, blackshark.ai and OLMOS' joint solutions are already gaining recognition among defense forces and industry professionals worldwide. With extensive experience in professional simulation, OLMOS is a trusted provider to major integrators and prime contractors, while blackshark.ai continues to push the limits of AI–driven terrain generation.

Availability:

- The latest features and updates will be showcased at I/ITSEC 2024, where customers can experience the future of terrain generation firsthand at blackshark.ai's booth #3001

About OLMOS:

– OLMOS is a global provider of professional simulation solutions, providing tailored services for image generation, visual systems, and CDB database management. With years of expertise in defense and simulation industries, OLMOS remains at the forefront of innovation.

About blackshark.ai:

blackshark.ai is revolutionizing AI-powered 3D terrain generation. Leveraging advanced machine learning to produce high-quality, detailed terrains at an unmatched scale, delivering cutting edge solutions for the simulation industry.
For more information, visit the blackshark.ai booth, #3001 at I/ITSEC 2024,or contact:

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