Visualization Solutions

Dignitas Technologies **synthetic environment** *core competencies include visualization solutions which provide 2 and 3-dimensional (2D/3D) images or animations to communicate a message and includes the process of creating graphics and rendering designs using software. These visualization solutions are extensively used to execute modeling, simulation and training experiences and are composed of three main components: Veritas 2D/3D viewer, Veritas Model Viewer (VMV), and 3D models.*

Veritas Viewer

- Currently being used by the US Army LVC-IA and I-TESS II programs for exercise monitoring and AAR.
- Provides a 2D/3D visualization capability of simulation events based on DIS or SE Core's VDIS network traffic.
- Open extensible plug-in architecture used for viewing OpenFLT or OSG databases.
- Runs on Windows or Linux and is available in a PC desktop or web browser configuration.
- Supports multiple coordinate systems including MGRS, UTM, and Geodetic.
- Capable of visualizing very complex dynamic environment effects, including weather conditions and dynamic terrain.
- Includes model viewer which allows the operator to manipulate models.

3D Models

- Currently being used by the US Army SE Core, LVC-IA, STE RVCT and other programs.
- Dignitas employs a cost effective 3D model development process which generates models to the required level of fidelity and tests the models in the target environment.
- Includes 3D visual models of characters, weapons, vehicle shells/interiors, environments and objects.
- Character models include a set of postures, animations, and health states.
- Provided in multiple exchange formats used in visual systems including OpenFLT, COLLADA, and FBX.

Product/Services Available

- Veritas baselines include a Government Purpose Rights version and Enterprise version with additional capabilities
- Services option to integrate visualization solutions with different training applications.

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