DIGNITAS TECHNOLOGIES

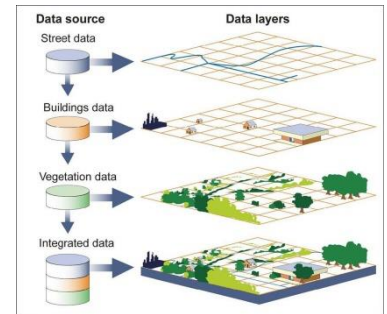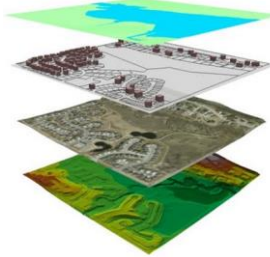# GIS Modeling and Geospatial Terrain Database Solutions

Dignitas Technologies **synthetic environment** *core competency includes Geographic Information System (GIS) modeling and geospatial terrain database generation. These modeling solutions are increasingly being used in simulations by relating seemingly unrelated data and helping individuals and organizations better understand spatial patterns and relationships.*
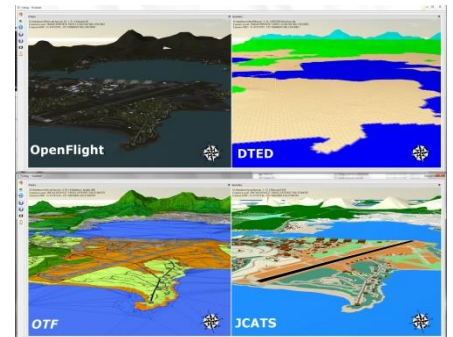
GIS Modeling

- Provides more deterministic, efficient and rapid production pipeline process to a program.
- Domain specific art asset construction.
- Vector source standardization and MDB population.
- Night Imagery generation.
- Material Classified Imagery production.
- LIDAR, DTM and DSM processing.
- DRLMS (Digital Radar Land Mass Simulator)/SAR map generation.
- Procedural model generation including model complexing, texture compositing and terrain integration.

Geospatial Terrain Database Generation

- Producer of multiple correlated output formats serving the need of interoperability for rotary wing, wheeled and tracked ground vehicles and dismounted soldiers.
- Vector Master Database (MDB) population and quality control.
- Runtime Database Generation Toolkit (RDGT) database production & delivery.
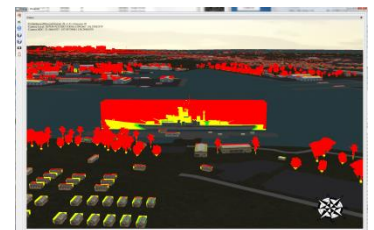- Database system integration and testing.

Terrain Correlation Tool

C-NERGY™
CORRELATION SYNERGY TOOL

- Geospatial correlation tool that operates on a wide range of modeling & simulation / geospatial formats.
- Conducts quality testing, visual inspection, and automated correlation testing between various geospatial representations.

Product/Services Available

- GIS Modeling.
- Geospatial terrain database generation – multiple formats.
- Environmental Data Model (EDM) representation.
- Terrain database integration and testing with simulation systems.

Point of Contact: Susan Fernandez, Business Development
sfernandez@dignitastechnologies.com

www.dignitastechnologies.com

03JAN22