



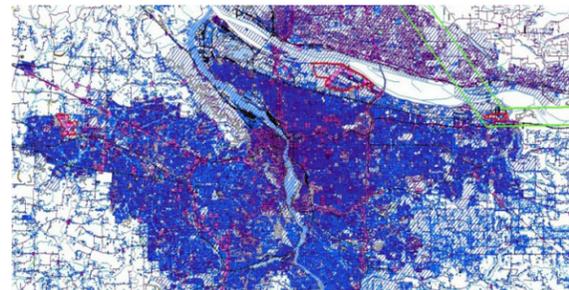
**LOGIC**  
LEIDOS GEOSPATIAL

Leidos produces and delivers affordable high quality geospatial source data, digital topographic maps, multiple correlated run-time terrain databases and 3D moving models

## Featured Geospatial Dataset Production Capabilities

### GEOSPATIAL DATA PRODUCTION

LOGIC's geospatial data processing capability provides a foundation for whole earth geospatial dataset creation. LOGIC uses open source, government and commercial authoritative data sources combined with automated conflation software which detects and corrects errors in geometry, topology and attribution, Leidos provides affordable high quality source data.



### RUNTIME DATABASE PRODUCTION

LOGIC supports the production of individual and correlated runtime database products for Rockwell Collins EP2, OpenFlight, MetaVR VRSG, Bohemia Interactive Simulation VBS3 and VBS Blue, Unity, Epic Unreal, Calytrix Titan Vanguard and many other modern visual terrain database and semi-automated force runtime formats.



### MAP PRODUCTION

LOGIC's map production capability includes complete military style Joint Operations Graphic (JOG) maps in 1:250K scale and Topographical Maps (TM) in 1:100K and 1:50K scales which correlate to the authoritative geospatial source data and runtime products.



## Geospatial Tools to Automate the 3D Content Generation

### PROCEDURAL MODEL GENERATION

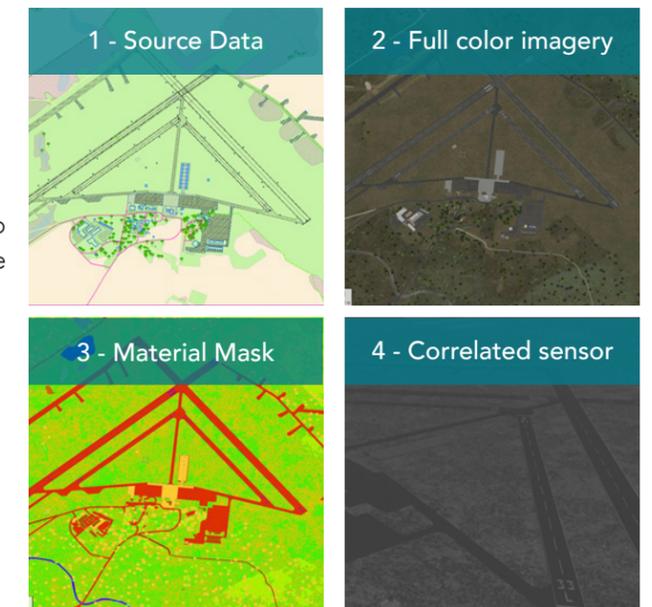
LOGIC's Procedural Model Generation capability significantly reduces cost and schedule through the rapid creation of dense urban environments by leveraging the geospatial building geometry and attribution. The models generated come optimized for both ground and air based simulation use with all of the appropriate meta-data. This capability has been extended to generate realistic interiors based on exterior structure components, building type, and region.



### PROCEDURAL IMAGERY

LOGIC's Procedural Imagery allows for the rapid generation of ground based imagery while avoiding the artifacts (clouds, shadows, cars, etc.) and limitations (resolution, alignment, season, etc.) associated with traditional processing. Historically, it is cost prohibitive to remove all imagery artifacts or to material classify satellite imagery. This technology significantly reduces human touch labor resulting in significant reduction in cost and schedule while improving quality.

1. Source Data
2. Full Color Imagery
3. Material Mask
4. Correlated Sensor



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Leidos is a Fortune 500® information technology, engineering, and science solutions and services leader working to solve the world's toughest challenges in the defense, intelligence, homeland security, civil, and health markets. The company's 31,000 employees support vital missions for government and commercial customers. Headquartered in Reston, Virginia, Leidos reported annual revenues of approximately \$10.17 billion for the fiscal year ended December 29, 2017.

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