

News

May 7, 2007

BAE SYSTEMS INTRODUCES AUTOMATION TECHNOLOGY FOR MAP CREATION

SAN DIEGO — BAE Systems has released its Next-Generation Automatic Terrain Extraction (NGATE) software for creating 3D models from satellite or aerial imagery.

The 3D terrain and surface models generated by NGATE can be used for geospatial simulations, mission rehearsals, situational awareness, and disaster relief and recovery.

NGATE uses a hybrid matching process to create precise elevation data for 3D terrain and surface models. The software is particularly useful for mapping urban areas, large geographic landscapes, mountainous or rough terrain, and areas with little contrast, such as road surfaces on large-scale imagery and vast deserts.

“NGATE represents a significant advance in image processing automation,” said Dan London, vice president of sales and marketing for BAE Systems’ Geospatial eXploitation Products unit in San Diego. “NGATE produces highly accurate, near-LiDAR (light detection and ranging) quality models quickly and efficiently. The software can dramatically reduce labor hours and is highly accurate when compared to other automated algorithms.”

The new NGATE module is an optional, licensed software add-on component for BAE Systems’ SOCET SET® v5.4, and will be available in SOCET GXP® v3.0. These applications are used for image processing, targeting, geospatial analysis, high-resolution terrain extraction, and surface modeling.

About BAE Systems

BAE Systems is a global defense and aerospace company, delivering a full range of products and services for air, land, and naval forces, as well as advanced electronics, information technology solutions, and customer support services. BAE Systems, with 88,000 employees worldwide, had 2006 sales that exceeded \$25 billion.

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