

Remote Sensing & Imagery Services



From Pixels to Answers

NLT's expertise in building platforms that automate the integration and analysis of satellite and aerial imagery to detect urban and environmental change is enabling the U.S. government and International Organizations to more effectively respond to natural disasters and guide future community development. Learn more about our Remote Sensing experience and solutions at NewLightTechnologies.com.

NLT services for natural hazards and emergency management:

- Automated Hazard Exposure
- Flood Prediction & Detection
- Earthquake, Flood, Hurricane, Tornado, Wildfire Mapping
- Damage Assessments
- Small Unmanned Aircraft System (sUAS) Deployment

Today's organizations face an explosion of available sensor and imagery data presenting great opportunities for answering new questions and improving our way of life, yet collecting, analyzing, storing, disseminating, and managing this data remain a significant challenge for many.

NLT's unique capabilities in integrating Big Data, automating data processing and analysis utilizing Artificial Intelligence (AI) and Machine Learning, and developing platforms for visualizing and disseminating complex geographic information enables our customers to transform pixels into answers.

NLT's comprehensive Remote Sensing and imagery technology consulting services for multispectral and hyperspectral optical imagery and radar data include: data fusion, image correction, image classification, feature extraction, land cover and land use mapping, change detection, flood detection, UAS and drone mapping and more!



Imagery Collection, Processing , & Analysis

NLT offers solutions for rapid integration of multispectral, hyperspectral optical, radar imagery for real-time situational awareness, planning, research, and decision support. Pioneering solutions for automating imagery collection, integration, correction, classification, feature extraction, change detection and analysis utilizing Big Data Artificial Intelligence (AI) and Machine Learning.



Small Unmanned Aircraft System (sUAS) Mapping

NLT's network of certified pilots offers comprehensive services and solutions including field data collection, mapping and analysis, FAA and National Airspace regulatory guidance, sUAS program development and implementation and more.



Cloud-based Imagery Platform Development

NLT's deep IT and Geospatial expertise is pioneering cloud computing solutions for real-time imagery integration, analytics, and dissemination delivering improved efficiency, performance, scalability, interoperability for organizations with large imagery holdings.

NLT has pioneered innovative award-winning solutions for real-time imagery integration and analytics for mission-critical decision support , planning, and research applications and is currently leveraging its deep IT expertise to lead the way in developing cloud-based imagery exploitation and data delivery systems for urban planning, emergency management, humanitarian missions around the world.

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