For 40 years, the geospatial intelligence community has trusted Harris for outstanding service and technology achievement in support of managing geospatial intelligence content (GEOINT).

Today, we are leading the charge to design agile and responsive data curation systems that enable anticipatory analysis and proactive content management. New technologies, innovative system design, and workflow management concepts, combined with mission expertise give Harris an edge in achieving the right scientifically proven solutions for active data management.

Harris’ dynamic suite of data management tools were developed for the Intelligence Community to meet enterprise needs and ensure data consistency before mission application.

**DELIVERING DATA YOU CAN TRUST**

Paramount to the success of any GEOINT data management system is confidence in the content. For more than four decades, Harris has been entrusted to provide foundational data management tools to ensure mission confidence.

Our newest web-enabled geospatial databases rely on OGC-compliant standards and scalable architecture design that facilitate ingestion of massive data sets from various data sources, including space-based, ground-based, or airborne sensors.

The systems are cloud-based to achieve cost effectiveness, reliability, and accessibility where the service-enabled content is available for simultaneous high-speed access by numerous users.

A unique workflow design also allows multiple representations of a single data instance in the database. This eliminates data redundancies and ensures currency of information, while reducing storage needs.

These value-added features allow analysts to rapidly receive information they can rely on for mission-critical decisions.

**AUTOMATIC ASSET EVALUATION**

Harris has developed an active content management dashboard tool that brings together a spatially integrated view of available intelligence assets. In real time, users can recall data from consolidated, unified data sets and perform assessments to verify content readiness for mission needs.

The tool provides a quick overview of available data content, a probability assessment of the quality of the content, and an outlook of what data is coming soon in the pipeline.
DELIVERING TRUSTED INFORMATION WHEN AND WHERE YOU NEED IT

NEW DATA OPPORTUNITIES
Efficient data search and retrieval systems answer questions utilizing automated workflows that leverage commercial sources, algorithms, and analytics. The systems deliver mission-relevant imagery and content, products, and alerts that trigger automated workflows for the Intelligence Community.

AUTOMATIC TESTING AND VERIFICATION
Harris developed an enterprise-wide web application for data quality management that provides automatic data validation and error detection with automatic corrections, most-likely value insertion, and consistent-scale generation to ensure accuracy.

System workflows automate topological analysis and correction, network analysis, surface clustering for single-entity analysis, and automated source mapping and conflict resolution.

Users gain confidence in the data from probability heat maps and product portrayal reports, which confirm the data quality before mission incorporation. Performing the data checks early enhances the accuracy of ingested geospatial data for greater mission confidence.

Since this automated verification tool runs in a cloud environment, users can continue working on other tasks while the processing takes place. They will be notified once the system has completed the product for review.

TRANSFORMING INFORMATION
Harris analytics and geospatial processing expertise are the answer to continuous enrichment through powerful data curation of dynamic “data in motion” in the cloud.

Our core enabling technologies, in use today across the world, will help organizations transition from typically expensive, long-lead production and analysis methods to innovative, transformational, cost-effective solutions.
HOW HARRIS HELPS

We design architecture structure for critical data management projects.

We create practical data migration road maps with milestones.

We develop scalable and extensible databases and applications.

We optimize system performance, reliability, and security.

AGILE, RESPONSIVE, RESILIENT

Harris designs source-agnostic systems, ready for what the future holds. We are aiming for a future vision of combined data sets that incorporate validated commercial data sources from the vast number of satellite constellations becoming available to enhance the government assets. This will achieve comprehensive coverage of contextual and intelligence data for greater confidence in decision-making.

HARRIS ADVANTAGE

• Our mission expertise and technology development set the groundwork to advance the industry with tools and systems that provide information users can trust.

• We are developing tools that combine data sets to create the “gold standard” of foundation information, and we are building systems that automatically deliver imagery and analytics for effective management of global GEOINT.

• By moving analytics to platform or cloud environments closer to where the data is stored, we are speeding up the time before the user gets results.

• Knowing what the Intelligence Community needs, we are able to automate processing with workflow optimization and apply advanced data analytics to get the information users need quickly.

To learn more about Harris government geospatial solutions, visit our website at: www.harris.com/confidence.