

# Data Management for Your Spatial Enterprise

# GEOINT EDITION



**Radius Studio** is an advanced spatial processing environment that extends Oracle10g or Oracle11g to provide dramatic improvements to the speed and consistency of spatial data handling. Key features include:

- Sustainable interoperability
- Enhanced productivity
- Assured data quality
- Improved performance
- Intelligent, structured data
- Enterprise wide data management

**Radius Studio** provides a spatial processing and integration framework allowing only clean, accurate data to enter the Oracle database - a crucial requirement for enterprise-wide data management missions supporting the geospatial community. **Radius Studio** can also report on any problems with your existing data while allowing its sophisticated spatial query engine to execute thousands of times faster than standard implementations of spatial SQL queries.

Integrating **Radius Studio** within the geospatial enterprise offers immediate benefits for handling large volumes of spatial information in terms of accuracy, consistency and query speed. Providing automated conformance checking against pre-defined and custom business rules, **Radius Studio** can discover, use and retain data knowledge relationships critical to data stewards, external data managers and analysts. Developed in collaboration with suppliers and consumers of spatial data, **Radius Studio** supports government, defense, utilities, and other public and private sector markets that leverage their technologies within a Service Oriented Architecture (SOA) environment.

**Radius Studio** integrates with the Oracle database and exposes data from leading GIS technologies including ESRI, Autodesk, Intergraph and MapInfo, so no matter which GIS you use, you will have the confidence that **Radius Studio** is working hard behind the scenes to ensure that your data is error-free.

## Seamless Integration with Your GIS

Users of leading GIS applications can simply leverage the **Radius Studio** solution with the provided web-based GUI and their existing product.

Combined use of **Radius Studio** with existing GIS technology provides a solid solution to maintain the integrity of geospatial data in a consistent and transparent manner, regardless of the enterprise application utilized to manipulate the spatial data.

## Multi-Sensor Data Fusion for GEOINT

*The need for comprehensive, up-to-date information about complex, dynamic urban environments that constitute the modern battlespace is critical. LSI is at the forefront of research in this area, utilizing Radius Studio to expose synergies between sensor data (LiDAR, hyper and multi-spectral), geocoded reports and real world geometries on the ground. Using a rule-based system to build a highly customizable fusion process, LSI is able to generate a "best" 2D and 3D urban model minimizing contradiction and increasing fidelity.*

## Value and Flexibility Across the Board

### TIME AND MONEY

- Enhanced data integrity and interoperability - no need for costly manual updates, existing applications work from a single, integrated data model - the end of multiple datasets across the organization
- Single change automatically generates multiple updates

### SECURE, SCALABLE AND RELIABLE

- Enterprise-wide data management
- Secure environment means accurate and up-to-date spatial data
- Scalable performance of data query and retrieval

### MAXIMIZE EXISTING INVESTMENTS

- By creating intelligent data
- Advanced server-side spatial processing allows ultra-thin clients
- Seamless intelligence - no extra work for the DBA
- Benefit from the linear scalability, security and reliability of Oracle with existing GIS out-of-the-box

LSI is a Partner and Reseller of  **Spatial** and  **SAFE SOFTWARE**



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