

## UNLOCK NEW INSIGHTS AT HYPERSCALE

### Enhance spatiotemporal query performance with OcientGeo™

The proliferation of mobile devices, sensors, satellites, fleets, and other connected sources has led to a massive increase in the amount of data being generated. Inside these massive data stores lie unprecedented opportunities to develop and roll out new capabilities like location-based threat detection and monitoring, proactive fleet maintenance, route optimization, space junk mitigation, and more. Robust data analytics can also drive deep operational insights across air, land, and sea to inform comprehensive tactical strategies and mobilize faster responses.

Central to those capabilities is the incorporation of geospatial and spatiotemporal data. The more precise this data, the better the insights, but the limitations of many analytics platforms have long kept agencies from being able to analyze more than a fraction of the geospatial data at their disposal.

**OcientGeo** is a powerful new way to leverage geospatial data, enabling agencies to supercharge the performance of spatiotemporal queries at massive scale, delivering:

- **Up to 50x better resolution than other spatial databases**, with support for lines, linestrings, and polygons with up to 32 million embedded points — no need to downsample or simplify spatial data.
- **A spatial index optimized for objects on land, air, and water.** Unlike other spatial databases that are limited to objects on land, Ocient supports data from objects anywhere on the globe.
- **The largest native geospatial library in the industry**, with more than 120 geospatial functions based on the WGS84 standard, facilitating high precision, low-latency geospatial analytics at scale.



### As part of the Ocient Hyperscale Data Warehouse™, OcientGeo enables organizations to:

**Load geospatial data faster than ever.** Embedded extract, transform, and load (ETL) capabilities empower users to load high-resolution geospatial data and make it available for query within seconds.

**Improve query speed by up to 100x** thanks to support for geospatial and other indexes.

**Optimize energy, cost, and storage efficiency.** Built-in compression and Zero Copy Reliability™ enable Ocient to reduce the storage footprint by up to 80% and energy consumption by up to 98%.

**Accelerate AI on geospatial data.** By building machine learning capabilities into the database, Ocient enables users to reduce latency and improve the quality of ML models.

**Connect to business intelligence tools with ease** using built-in JDBC, ODBC, and Python integrations.

**Streamline operations** by consolidating multiple capabilities across geospatial, real-time analytics, OLAP SQL and machine learning workloads.

## READY TO LEARN MORE?

Contact [sales@ocient.com](mailto:sales@ocient.com) to see OcientGeo in action.