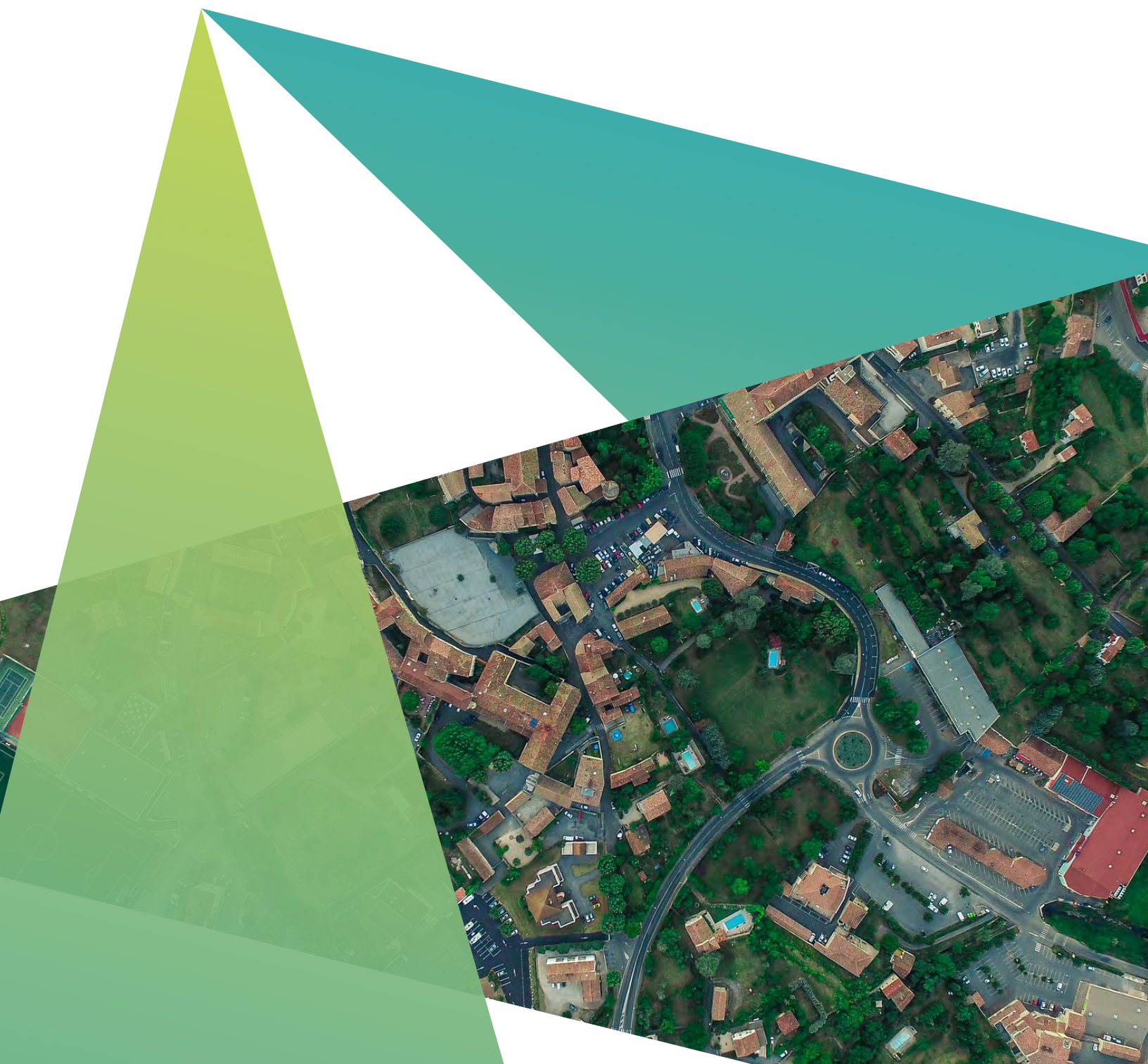# ERDAS APOLLO

Managing and delivering geospatial information across your enterprise

## Manage and share your data

Do you have large volumes of geospatial information, regularly updated data stores, and a distributed user base? Do you need a single, integrated enterprise-class, spatial data infrastructure? Is your image delivery performance too slow and inefficient?

ERDAS APOLLO provides a comprehensive data management and delivery server solution to address these challenges. It helps to identify, locate, secure and organise your geospatial and business data into a searchable repository and enable simple distributing of that data. Complete with a variety of delivery options, ERDAS APOLLO consistently delivers geospatial data faster and with less hardware than competing server-based products. Implementing an out-of-the-box, service-oriented architecture, ERDAS APOLLO can be customised and extended to satisfy both your geospatial and business process requirements.

ERDAS APOLLO also alleviates pressures associated with expanding imagery data holdings through Hexagon's industry-leading image compression technology.

## Automatic organisation

Centralise your geospatial information metadata with scheduled crawling and harvesting of regularly updated data holdings. ERDAS APOLLO enables workflows for describing, styling, securing, cataloging, and publishing geospatial and non-spatial data into a central catalog.

## User-empowered access to your data

End users can perform in-depth searches on the catalog, providing federated search capabilities to discover data assets across multiple catalog sources. These searches are constrained to data assets the user has access to, enabling user empowerment without compromising operational security needs.

## Augmented catalog search client

The renewed Catalog Explorer web client experience builds around the catalog search to provide other features such as a Gazetteer, robust OGC API Web Service support and integration of the new ERDAS APOLLO Geoprocessing Server capability.

## A host of delivery options

ERDAS APOLLO provides a variety of access options to discovered data assets. From simply understanding what assets are available, to streaming directly from source (ECWP, JPIP, OGC WCS, OGC WFS), viewing a representation of the underlying data (OGC WMS, OGC WMTS), downloading the original or a customised copy of the data (Clip-Zip-Ship) or generating completely new insights by passing the data through our Geoprocessing Server, ERDAS APOLLO has you covered.

**ERDAS APOLLO provides the greatest flexibility for geospatial data delivery, enabling dissemination into any client, on any device.**
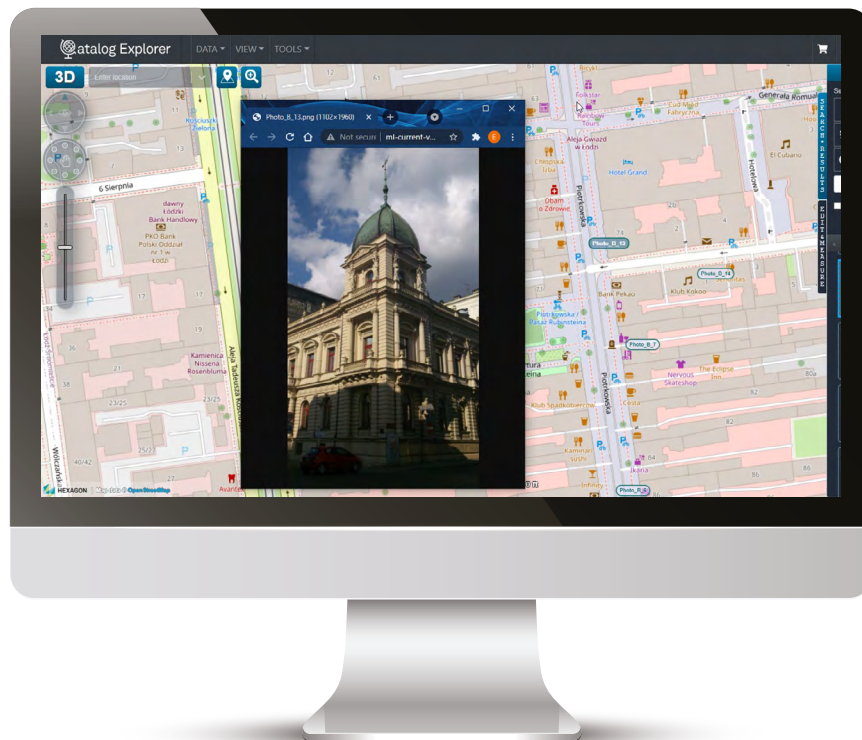
ERDAS APOLLO catalog can deliver business data such as photos and documents right to your web application. Move the map and quickly update search results. Download the images to open business data from ERDAS APOLLO in browser windows.

## Rapid image delivery

ERDAS APOLLO continues to provide the most optimal high-performance image streaming protocol known as ECWP. ECWP allows you to serve thousands of concurrent clients from a single server via its ability to leverage Hexagon's advanced ECW format.

But regardless of the delivery method, ERDAS APOLLO will outperform any competitor solution through its ongoing optimisation and server architecture. ERDAS APOLLO consistently delivers image data far faster, using less hardware, no matter the size of your image datasets. ERDAS APOLLO continues to underpin many countrywide image delivery services due to our ability to deliver more, with less overhead, less hardware and less pre-processing steps.

## Plug and play interoperability

ERDAS APOLLO embraces OGC services as a primary, native implementation for data access. Our services continue to interoperate with others, ensuring ERDAS APOLLO can coexist with any existing platforms within your organisation.

ERDAS APOLLO service APIs follow the OpenAPI best practices that further enables integration even across non-spatial platforms.

## Server-side geoprocessing

ERDAS APOLLO Geoprocessing Server empowers many more end-users at the organisation to create value-added data products leveraging Spatial Models created by experts within GeoMedia or ERDAS IMAGINE. Leverage those experts, but enable any user to execute them with nothing more than a web browser and data sourced from the ERDAS APOLLO catalog. Not only does this increase accessibility, but it will also mean in many cases the outputs are created faster by utilising more powerful server hardware, deployed closer to the data sources.

## Leverages existing enterprise systems

ERDAS APOLLO leverages existing business systems, such as Oracle, Microsoft SQL Server and PostgreSQL databases and can also be configured to utilise existing Directory services for security integration.

## One connected solution

ERDAS APOLLO connects Hexagon's geospatial portfolio of products to comprise a seamless, complete solution to geo-enable your enterprise.

| Product and interaction |
|---|
| Use the integrated catalog web client to seamlessly connect and bridge services from both **LuciadFusion** and **ERDAS APOLLO**, or use **LuciadLightspeed** to rapidly view services from both. |
| Search, discover, and view data from ERDAS APOLLO directly in **ERDAS IMAGINE** and **GeoMedia** map windows. Spatial models created in **ERDAS IMAGINE** and **GeoMedia** may be published to ERDAS APOLLO Geoprocessing Server and executed server-side (OGC API - Processes). Raster backdrops based on the ultra-fast ECWP streaming protocol may be directly consumed in **ERDAS IMAGINE**. |
| Serve **ECW**-compressed data lightning fast to thousands of users simultaneously from a standard server. Stop dealing with headaches managing a tile cache of millions of tiles. Replace it with one. |
| **Geospatial Portal** is a web client supporting 2D/3D viewing, ERDAS APOLLO catalog search, download and creation of value-added data products on demand. It can be deployed separately and connected to your own ERDAS APOLLO instance. |

**Raster backdrops based on the ultra-fast ECWP streaming protocol may be directly consumed in other Hexagon software, such as GeoMedia Smart Client, or via plugin third-party clients such as Esri ArcGIS."**
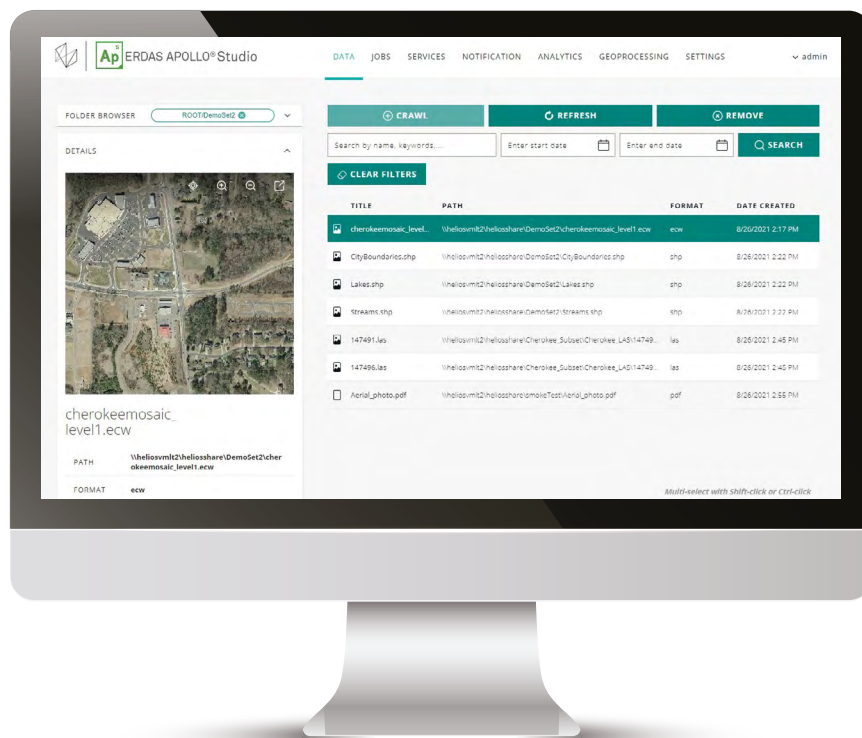
ERDAS APOLLO Advantage comprehensively catalogs ALL of your data – including vector (GML, Shapefile, FGDB), point clouds, imagery and ancillary business data – all in a single crawler. Harvest, catalog, secure and publish all data types the same way.
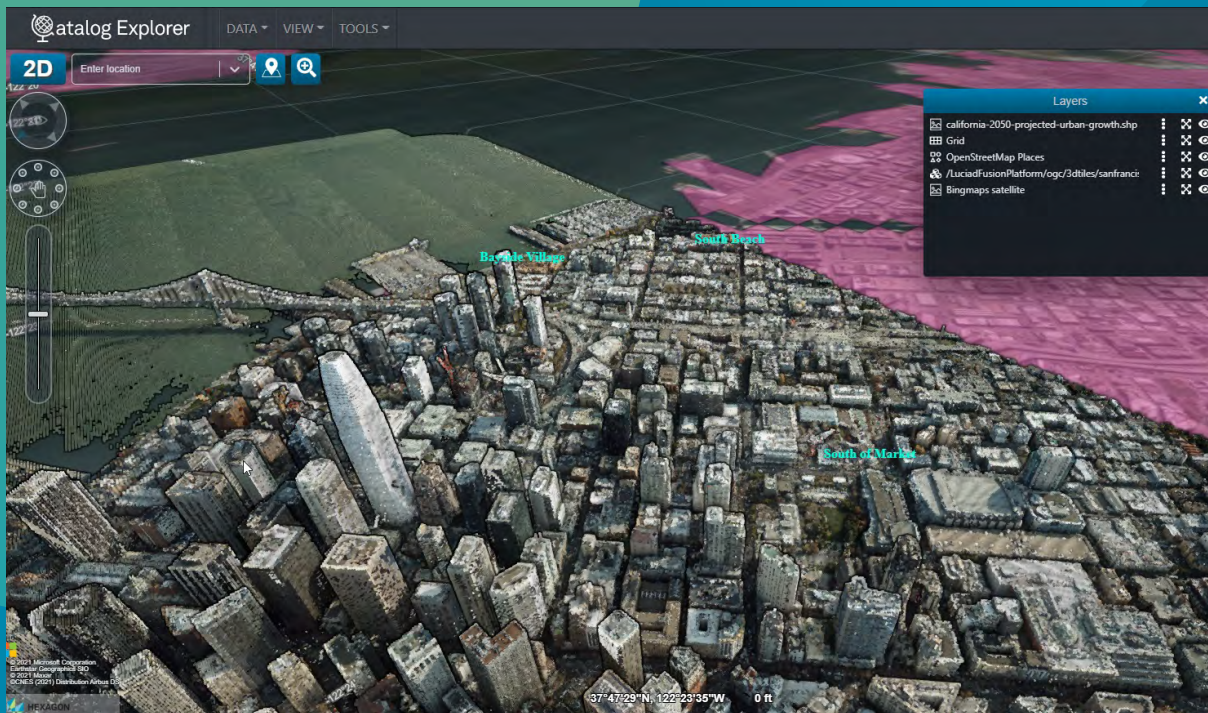
## ERDAS APOLLO Studio

ERDAS APOLLO Studio is a reimagined web client administrator for ERDAS APOLLO replacing the now legacy Data Manager desktop tool. Studio supports all major existing workflows with vastly improved user experience and more efficient configuration workflows. Delegate administration of your server or gain immediate access, all from within your web browser.
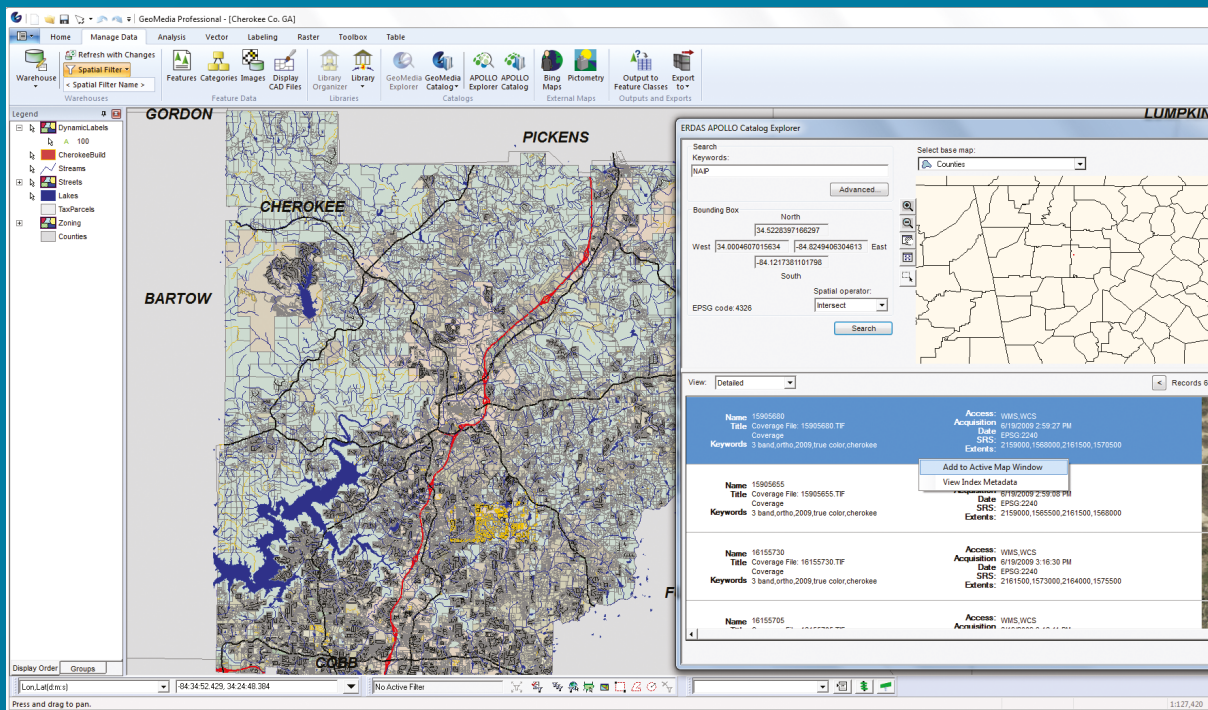
## Flexible offering

Available in three product tiers, ERDAS APOLLO suits a wide spectrum of customer needs – from those only looking for a remarkably fast image server to those requiring a more comprehensive data management system.

**ERDAS APOLLO provides the greatest flexibility for geospatial data delivery, enabling dissemination into any client, on any device.**
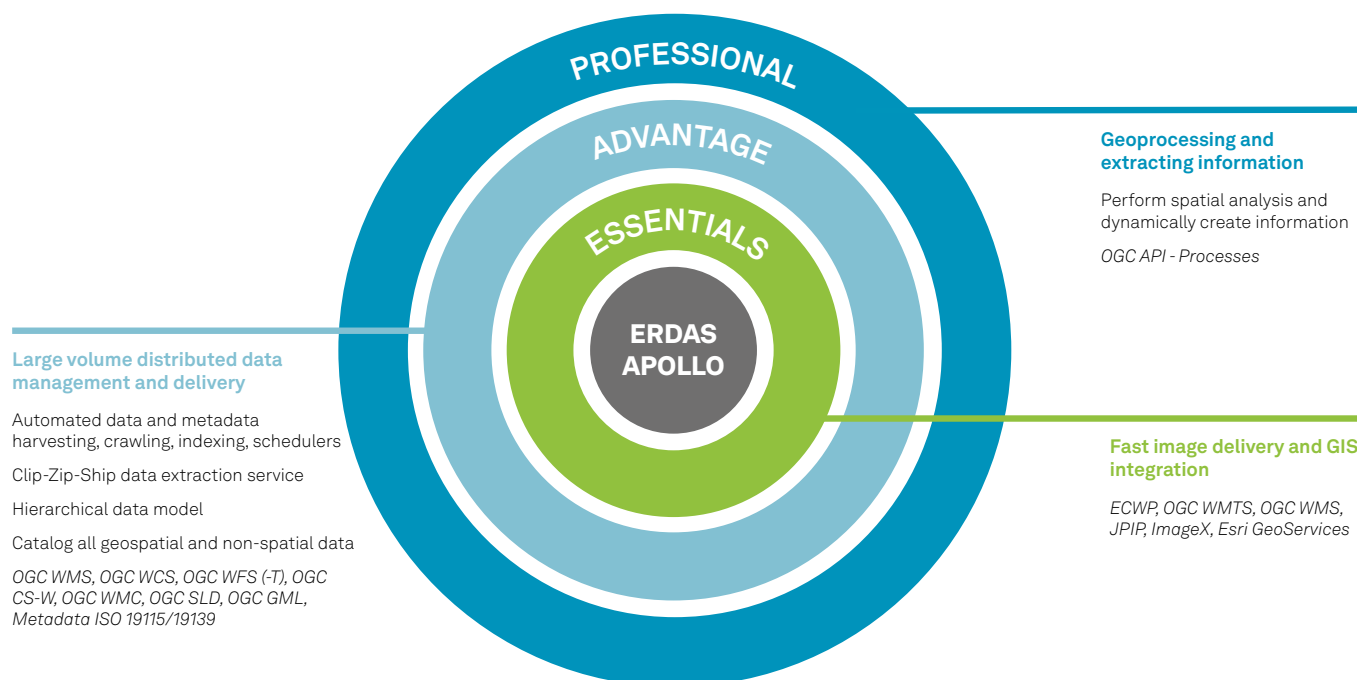
Raster images are served with lightning speed in ERDAS APOLLO.



Use GeoMedia to access, search and consume data from the ERDAS APOLLO catalog.

**ERDAS APOLLO suits a wide spectrum of customer needs – from those only looking for a low-cost, remarkably fast image server to those requiring a comprehensive data management system.**

**Geoprocessing and extracting information**

Perform spatial analysis and dynamically create information

*OGC API - Processes*

**Large volume distributed data management and delivery**

Automated data and metadata harvesting, crawling, indexing, schedulers

Clip-Zip-Ship data extraction service

Hierarchical data model

Catalog all geospatial and non-spatial data

*OGC WMS, OGC WCS, OGC WFS (-T), OGC CS-W, OGC WMC, OGC SLD, OGC GML, Metadata ISO 19115/19139*

**Fast image delivery and GIS integration**

*ECWP, OGC WMTS, OGC WMS, JPIP, ImageX, Esri GeoServices*

## ERDAS APOLLO Essentials

Organisations requiring rapid delivery of geospatial imagery via web services continue to be best serviced by ERDAS APOLLO Essentials. This unique product, available on both Microsoft Windows and Linux, provides high-speed access to large volumes of imagery without the laborious data preprocessing requirements of competitor solutions. Most often paired with GeoCompressor.

## ERDAS APOLLO Advantage

Many users cannot locate the data they need when they need it. Data is often buried in duplicate areas, copied or it lacks descriptive metadata. Organisations that require interoperable management and delivery of massive amounts of imagery, LiDAR, vector and non-spatial data across the enterprise need ERDAS APOLLO Advantage. With ERDAS APOLLO Advantage, geospatial data distributed across multiple departments or offices can be easily organised and disseminated in a variety of ways, including web services, direct downloads, GeoPackage, or Clip-Zip-Ship. This way, end-users can ultimately search, discover and visualise data in a variety of applications.

## ERDAS APOLLO Professional

ERDAS APOLLO Professional provides server-side geoprocessing of geospatial data and offers a powerful geoprocessing (OGC API - Processes) component, employing complex algorithms that accomplish unrivaled processing power. Using ERDAS IMAGINE or GeoMedia, geospatial analysts create custom models and publish them to the Geoprocessing Server integrated with ERDAS APOLLO. These spatial models can then be made accessible and executable on demand by users from a thin-client front end.

# HEXAGON

Hexagon is a global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector, and mobility applications. Our technologies are shaping production and people-related ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's Safety, Infrastructure & Geospatial division improves the resilience and sustainability of the world's critical services and infrastructure. Our solutions turn complex data about people, places and assets into meaningful information and capabilities for better, faster decision-making in public safety, utilities, defense, transportation and government.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 21,000 employees in 50 countries and net sales of approximately 3.8bn EUR. Learn more at hexagon.com and follow us @HexagonAB.