

# On-demand spatial analysis

When change happens, you do not have time to wait. You need to provide on-demand spatial analysis. With the most interoperable geoprocessing services in the industry, ERDAS APOLLO provides an end-to-end workflow to execute geoprocesses with or without domain knowledge.

You can run an entire spatial model (such as change detection) within a web browser without knowing anything about image processing or remote sensing.

This easy-to-use workflow enables spatial modelling experts to publish models from ERDAS IMAGINE or GeoMedia for other end users to benefit. Leverage your institutional knowledge and improve efficiency by creating a self-service facility to create on-demand, user-generated products.







## Top 5 reasons to use ERDAS APOLLO geoprocessing

### 1. Get the information you need instantly

Previously, you had to submit requests to your remote sensing contact and wait for the information you needed to be located, processed, analysed and delivered. Now, using your web browser, you can receive the information you need, whenever you need it.

### 2. Broadcast your organisational spatial model expertise

Spatial models created in ERDAS IMAGINE and GeoMedia can be published to the new ERDAS APOLLO Geoprocessing Server and then delivered to anyone, anywhere. Utilise the ERDAS APOLLO catalog to find data and then execute the process through the Catalog Explorer client to receive the answer “on demand.”

### 3. Simple user interface

Forget about onboarding users to understand complex desktop power-user applications.

Catalog Explorer now supports the OGC API - Processes specification provided by the geoprocessing service to offer a connect, view, execute workflow.

Each model is self-describing using powerful JSON Schemas to build user interfaces, complete with input guides to help users understand how to execute the workflow.

### 4. Unrivalled geoprocessing deployment options

Built on the Spatial Modeler engine foundation, ERDAS APOLLO Geoprocessing Server is one of the most advanced and powerful analysis engines in the industry. Utilise all of the power of ERDAS IMAGINE and GeoMedia internals, in a server environment, to make better use of centralised hardware as well as scale to meet performance demands.

The new Geoprocessing Server has enhanced deployment options to deploy outside of ERDAS APOLLO, giving the ultimate flexibility to deploy close to the data and scale independently.

Not only have the deployment options improved, we also are starting to expose the ability for a single model execution to be split into component parts to scale independently across multiple worker engines, across multiple machines.

### 5. Fully interoperable geoprocessing and data

ERDAS APOLLO Geoprocessing Server is an OGC-based solution using the OGC API - Processes interfaces. As more clients come onto the market, rest assured your geoprocessing service is built for the future.

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## About 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](https://www.hexagon.com) and follow us [@HexagonAB](https://twitter.com/HexagonAB).

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