



**HEXAGON**

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# **GeoMedia Professional**

Advanced Training

Hexagon's Geospatial Division

May 13, 2020

## Scope

The objective of this training is to provide you with an Advanced GeoMedia training including: introduction to GIS, advanced GIS concepts, powerful analysis functions and tools related to real user cases, data validation and advanced labelling, geocoding and grid analysis. Spatial Modeler Advanced examples will be created for automatic procedures. At the end of this training you will be prepared to create sophisticated end user product for decision making and risk analysis.

## Agenda

General rules:

Attendees should bring their own laptop with GeoMedia installed and licensed.  
If they are not able to install, they must inform us previously. Temporal licenses can be provided upon request

DAY1	
<b>Description on Advanced Functions</b> <b>Functional Attributes</b> <ul style="list-style-type: none"> <li>• Functional attributes as basic tool for advanced analysis</li> <li>• ABS functions. Advanced Symbology</li> </ul>	<b>3 hours</b>
<b>Advanced Analysis</b> <ul style="list-style-type: none"> <li>• Real user cases of Advanced Analysis               <ul style="list-style-type: none"> <li>• Gulf of Mexico gas and oil production analysis</li> <li>• Corridor analysis</li> </ul> </li> </ul>	<b>3 hours</b>
DAY 2	

<p><b>Advanced Labeling</b></p> <ul style="list-style-type: none"> <li>• Labelling rules and properties</li> <li>• Static and dynamic labelling</li> </ul> <p><b>Data Validation Tools</b></p>	<p><b>2 hours</b></p> <p><b>1 hours</b></p>
<p><b>Grid Analysis</b></p> <ul style="list-style-type: none"> <li>• Working with grids and lidar data</li> <li>• Grid Analysis &amp; Workflows</li> <li>• 3D analysis introduction</li> </ul>	<p><b>3 hours</b></p>
<p><b>DAY 3</b></p>	
<p><b>Geocoding</b></p> <ul style="list-style-type: none"> <li>• Addresses</li> <li>• Address geocoding Index format</li> <li>• Geocoding format</li> </ul>	<p><b>1 hours</b></p>
<p><b>Spatial Modeler Advanced Real Examples</b></p> <ul style="list-style-type: none"> <li>• Building Spatial Models Using the Spatial Model Editor Utility           <ul style="list-style-type: none"> <li>• Review the user interface</li> <li>• Execute spatial models in the spatial model editor utility</li> <li>• Construct and configure spatial models</li> </ul> </li> <li>• Using Spatial Models in the GeoWorkspace           <ul style="list-style-type: none"> <li>• Review the run spatial model command</li> <li>• Post-process the output results of the spatial model</li> <li>• Manage spatial models with the explorer window</li> </ul> </li> <li>• Learning About the Feature Operators           <ul style="list-style-type: none"> <li>• Review the features data type and feature operators (slides)</li> <li>• Experiment with feature analysis operators</li> <li>• Case studies that use feature operators (slides)</li> <li>• Experiment with useful models in GeoMedia</li> </ul> </li> </ul>	<p><b>4 hours</b></p>

<b>Wrap up and future decision-making applications</b>	<b>1 hour</b>
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## Prerequisites

- GM Basic Training

### Hardware requirements:

Supported and Recommended	
<ul style="list-style-type: none"> <li>• Computer/ Processor</li> </ul>	<ul style="list-style-type: none"> <li>• 64-bit: Intel 64 (EM64T), AMD 64, or equivalent</li> </ul>
<ul style="list-style-type: none"> <li>• Memory (RAM)</li> </ul>	<ul style="list-style-type: none"> <li>• 4 GB minimum, 8 GB recommended</li> </ul>
<ul style="list-style-type: none"> <li>• Disk Space</li> </ul>	<ul style="list-style-type: none"> <li>• 10 GB for software</li> <li>• Data storage requirements vary by mapping project<sup>1</sup></li> </ul>
<ul style="list-style-type: none"> <li>• Peripherals</li> </ul>	<ul style="list-style-type: none"> <li>• Software licensing (Hexagon Geospatial Licensing 2020) requires the following:</li> <li>• Ethernet card</li> </ul>

### Disk space requirements

2.5 Gb for Software  
8 Gb for Data

## Software requirements

GeoMedia Professional, which runs on Windows® 7, Windows® 8.1, Windows® 10, or Windows Server® 2012.

Microsoft® .NET Framework Version 4.0 or higher installed on your system before installation.

## About Hexagon

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous — ensuring a scalable, sustainable future.

Hexagon's Geospatial division creates solutions that deliver a 5D smart digital reality with insight into what was, what is, what could be, what should be, and ultimately, what will be.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 4.3bn USD. Learn more at [hexagon.com](http://hexagon.com) and follow us @HexagonAB.

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