



# **M.App X**

General Training

Hexagon's Geospatial Division

## Scope

This training provides an introduction to M.App X, our cloud-based image exploitation software. It will show how defense-oriented workflows typically done within ERDAS IMAGINE can be performed on the cloud using M.App X.

During this training, attendees will go through standard Imagery Intelligence (IMINT) workflows, including geo-correcting images before performing change detection, doing object recognition, and intelligence report generation.

## Agenda

### General Rules

- Training will start at 10 a.m. on Monday
- Training will end at 5 p.m. on Tuesday
- Training will be conducted from 9 a.m. to 5 p.m.
- There will be 15-minute breaks during the training
- Trainees need to bring their own laptops

### TRAINING AGENDA

#### Day 1

Afternoon

#### Section 1 – M.App X Overview

#### Section 2 – M.App X Administration

In this section, you will learn how to administer the platform, handle user profiles, and manage licensing.

#### Section 3 – Product Walkthrough

Take a tour through M.App X, focusing on the various components of the workspace and how to use them. This includes discovering data and displaying and manipulating data to create a report.



	<b>Section 4 – Image Exploitation</b> After learning the basic, individual components of the M.App X client interface in the Product Walkthrough section, attendees will put that knowledge to work to: <ul style="list-style-type: none"><li>• Display an image for exploitation</li><li>• Measure the height of features</li><li>• Add annotation overlays</li><li>• Create a map product for inclusion in a PowerPoint slide deck</li></ul>
<b>Day 2</b>	
Morning	<b>Section 5 – Verification of Aircraft Decommissioning</b> In this exercise you will compare imagery of the same area from two different dates, evaluate their relative accuracy, and align them to prepare a report detailing suspected contravention of the decommissioning of aircraft.
	<b>Section 6 – Feature Counting</b> In this exercise you will use annotation tools to assist in highlighting, counting, and creating a legend for features of interest in a scene.
	<b>Section 7 – Create a Counting Report</b> In this exercise you will build a PowerPoint slide containing the imagery and annotation just created.
<b>Lunch break</b>	
Afternoon	<b>Section 8 – Spatial Workshop</b> In this exercise you will learn how to create a spatial model in Spatial Workshop and use it in M.App X.
	<b>Section 9 – Geoprocessing</b> In this section you will learn how to use synchronous and asynconcruous geoprocessing services for dynamic analyses ranging from simple to very sophisticated.
	<b>Section 10 – Customization</b> Short introduction on how to customize the M.App X interface.

## Prerequisites

- Attendees must be proficient in the English language
- Attendees should have a basic understanding of remote sensing data, web environments, and image processing workflows
- The training will be conducted using a public-facing server, and all attendees must bring their own laptops with the following specifications

## Hardware requirements

Supported and Recommended	
<b>CPU</b>	2 GHz minimum, Hyper Threading or multi-core recommended
<b>Memory/RAM</b>	4 GB minimum
<b>Display Properties</b>	24-bit color depth
<b>Screen Resolution</b>	1024 x 768
<b>Peripherals</b>	Mouse or pen for input
<b>Networking Hardware</b>	Simple TCP/IP, network card

## Software requirements

Operating Systems
Windows® 7 SP1 or higher, Professional and Ultimate (64-bit)
Windows® 8 (Standard), Professional and Enterprise (64-bit)
Windows® 8.1 (Standard), Professional and Enterprise (64-bit)
Windows 10 Pro (64-bit)
HTML5 Browser installed: Firefox, Google Chrome, Microsoft Edge

## 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 21,000 employees in 50 countries and net sales of approximately 4.4bn USD. Learn more at [hexagon.com](https://www.hexagon.com) and follow us @HexagonAB.

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