HEXAGON

ImageStation

Hexagon's Geospatial Division

January 9, 2020

Scope

This training is a technical introduction to ImageStation 2018.

This training will introduce attendees to the ImageStation photogrammetric software through a workflow using airborne imagery to produce ortho photos. This will include installation, project setup, image formatting, aerial triangulation, elevation data generation, and ortho photo production. An overview of the wider ImageStation capabilities will be included. The training is aimed at Geo-ICT developers, project engineers, and technical presales consultants.

Agenda

General rules:

- Training will start at 10 am on Monday
- Training will be conducted from 9 am to 5 pm
- There will be breaks during the training
- Trainees need to bring their own laptops

DAY 1	
Morning	**ImageStation Overview** **Installation Process Walkthrough**
Lunch Break	
Afternoon	**Orientations** - Project creation - Aerial triangulation
DAY 2	
Morning	**Elevation**

	• Generation	
	• Quality	
Lunch Break		
Afternoon	**Orthophotos** • Generation • Editing	
DAY 3		
Morning	**Orientations** • Satellite • UAV workflow	
Lunch Break		
Afternoon	**Other Features** • Image formatter • Data server	

Prerequisites

- An understanding of photogrammetry principles, digital imagery formats, and geographic information systems (GIS)
- Installations downloaded onto attendee's laptop
  - GeoMedia 2018 installers
    - https://download.hexagongeospatial.com/downloads/geomedia/geomedia-desktop-2018
    - https://download.hexagongeospatial.com/downloads/geomedia/geomedia-desktop-2018-update-2
  - Geospatial Licence Administration 2018

- ▪ https://download.hexagongeospatial.com/downloads/other/geospatial-license-administrator-2018
- o ImageStation 2018
  - ▪ https://download.hexagongeospatial.com/downloads/imagestation/imagestation-2018-update-2

Hardware requirements:

Supported and Recommended	
CPU	4 GHz minimum, hyper threading or multi-core recommended
Memory/RAM	4 GB minimum
Display Properties	24-bit color depth
Screen Resolution	1024 x 768
Peripherals	Mouse
Networking Hardware	Simple TCP/IP, network card

Software requirements:

Operating System
Windows 7 SP1, Professional and Ultimate (x64)
Windows 10, Professional and Enterprise (x64)
Microsoft .Net Framework 4.5.1

Disk space requirements

ImageStation needs at least 4 GB of available disk space. Installation files require 8 GB.
GeoMedia needs at least 4 GB of available disk space. Installation files require 0.5 GB.

Public Training Schedule

Date	Location	Type

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 and follow us @HexagonAB.