



**HEXAGON**

PRO600

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# **PRO600**

## Release guide

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## About this release

This document describes the enhancements for PRO600 2023 CONNECT. Although the information in this document is current as of the product release, see the [support website](#) for the most current version.

This document is an overview and does not provide all details about the product's capabilities. See the [Documentation Portal](#) and other documents provided with PRO600 for more information.

## PRO600

PRO600 is a highly sophisticated, function-rich and robust package developed for accurate three-dimensional stereo photogrammetric feature and digital terrain model (DTM) collection and editing. It provides a wealth of cartographic tools to maximize feature collection and editing efficiency. PRO600 operates entirely within the Bentley MicroStation CONNECT and OpenCities CONNECT environment.

**PROCART** provides core cartographic functions for feature collection and editing. Its feature definition library combined with a variety of sophisticated tools is designed to maximize productivity. These tools may be used in a 3D stereo photogrammetric environment or for offline 2D editing.

**PRODTM** provides a variety of tools that can be combined to create productive workflows for terrain modeling applications. Terrain models can be generated by direct measurement. Existing models may be edited and refined using the vector features in the MicroStation design file.

## New platforms

### Bentley CONNECT Edition

PRO600 2023 CONNECT Edition supports the following Bentley products:

- MicroStation CONNECT Edition Update 2023 (Version:23.00.01.44)
- OpenCities Map Advanced CONNECT Edition Update 2023 (Version:23.00.01.29)
- OpenCities Map Ultimate CONNECT Edition Update 2023 (Version:23.00.01.29)

### ERDAS IMAGINE 2023

PRO600 2023 CONNECT is only compatible with the 64-bit version of ERDAS IMAGINE 2023.

### Licensing

It is strongly recommended that customers upgrade to the newest version of Hexagon Geospatial Licensing 2023. If in doubt, refer to Windows' Add or Remove Programs utility to determine the currently installed version.

PRO600 2023 can be downloaded from the new [Licensing Portal](#). If you don't have access to the Licensing Portal, please review [this article](#). Read [here](#) to learn how to download software and create and manage licenses.

Updated license files (v16.8) are required to run this release. An updated License Administrator (also available from the download site above) is also required if making use of concurrent (floating) license servers.

## PRO600 system requirements

Computer/Processor	64-bit: Intel 64 (EM64T), AMD 64 or equivalent (four or more logical processors are strongly recommended)
Memory (RAM)	16 GB or more strongly recommended
Disk space	<ul style="list-style-type: none"> <li>● 1 GB for software</li> <li>● 1 GB for example data</li> </ul>
Operating systems	<ul style="list-style-type: none"> <li>● Windows 10 Pro (64-bit)</li> <li>● Windows 10 Enterprise (64-bit)</li> <li>● Windows 11 Pro (64-bit)</li> <li>● Windows 11 Enterprise (64-bit)</li> </ul>
Software	<ul style="list-style-type: none"> <li>● ERDAS IMAGINE 2023</li> <li>● Either one of the following:             <ul style="list-style-type: none"> <li>○ MicroStation CONNECT Edition Update 2023 Version:23.00.01.44)</li> <li>○ OpenCities Map Advanced CONNECT Edition Update 16 (Version:23.00.01.29)</li> <li>○ OpenCities Map Ultimate CONNECT Edition Update 16 (Version:23.00.01.29)</li> <li>○ OpenGL 2.1 or higher (this typically comes with a supported graphics cards)</li> <li>○ .NET Framework 4.0</li> </ul> </li> </ul>
Recommended graphics cards for stereo display <sup>1</sup>	<ul style="list-style-type: none"> <li>● NVIDIA Quadro P6000, P5000, P4000, P2000</li> <li>● NVIDIA Quadro M6000, M5000, M4000, M2000</li> <li>● NVIDIA Quadro K5200, K5000, K4200, K4000, K2200, K600, K420</li> <li>● NVIDIA Quadro RTX4000</li> <li>● NVIDIA Quadro RTX A4500 and RTX A5000</li> </ul>
Recommended stereo display monitors	<ul style="list-style-type: none"> <li>● 120 Hz (or above) LCD monitors with NVIDIA 3D Vision Kit</li> <li>● 3D PluraView system from Schneider Digital</li> <li>● Vision Engineering CONTOUR 3D stereoscopic GIS display</li> </ul>

Recommended stereo glasses and emitter kits	<ul style="list-style-type: none"> <li>● NVIDIA 3D Vision Kit</li> <li>● 3DTV Universal Emitter</li> </ul>
Peripherals	<p>All software installations require:</p> <ul style="list-style-type: none"> <li>● One Windows-compatible mouse with scroll wheel or equivalent input device</li> <li>● Printing requires Windows-supported hardcopy devices <sup>2</sup></li> </ul> <p>Software security (Hexagon Geospatial Licensing 2023) requires one of the following:</p> <ul style="list-style-type: none"> <li>● Ethernet card</li> <li>● One USB port for hardware key</li> </ul> <p>Advanced data collection requires one of the following hand controllers:</p> <ul style="list-style-type: none"> <li>● TopoMouse or TopoMouse USB</li> <li>● Immersion 3D Mouse</li> <li>● Stealth 3D (Immersion), S3D-E type, Serial Port</li> <li>● Stealth Z, S2-Z model, USB version</li> <li>● Stealth V, S3-V type (add as a serial device)</li> <li>● 3Dconnexion SpaceMouse Pro</li> <li>● 3Dconnexion SpaceExplorer mouse</li> <li>● Z/I Mouse</li> </ul>

#### System requirements notes

1. Windows provides a generic OpenGL driver for all supported graphics cards. However, an OpenGL-optimized graphics card and driver are recommended for these applications.
2. HP-RTL drivers are recommended. Windows 64-bit print servers require 64-bit print drivers.

## Issues resolved: PRO600 2023

Support ticket	Summary
00195080	PRO600 crashes when editing reference files
00148405	PRO600 doesn't apply the justification setting for text
00145656	Chinese characters in library description don't get saved
00076784	Place Ground Control doesn't work with MicroStation CONNECT Edition
00059495	ViewPlex cursor lag with Stealth Z, S2-Z model, USB version
1-JSPYLH	ViewPlex settings are not saved
00195099	Pyramid missing after block path update
00195107	Snapping fails when using a large snap tolerance



## About Hexagon

Hexagon is the 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 24,000 employees in 50 countries and net sales of approximately 5.2bn EUR. Learn more at [hexagon.com](https://hexagon.com) and follow us [@HexagonAB](https://twitter.com/HexagonAB).

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