



CGO 2.0

Survey & Engineering

Make your work more efficient

Software Introduction

CGO 2.0

More than Post-processing

The CHC Geomatics Office Software (CGO) 2.0 is a powerful office software, designed for engineers as an integrated platform to make a link between field and office workflow from multiple sensors and generating rich deliverables.

More Processing Modules

Users can process massive fieldwork data in one software. Process data with Static, PPK, PPP algorithms in the GNSS module. Edit surveyed features and use PPK post-processing results to correct field coordinates in the RTK module. Check and input designed road elements for road stakeout in the Road module, and get corrected UAV track coordinates by using both RTK and PPK algorithms in the UAV data processing module.

Fast Post-processing Engine

Users can deliver absolute accurate georeferenced positions with faster, reliable and accurate baseline processing and adjustment algorithms. Just with few clicks, engineers have the ability to process GPS, GLONASS, BeiDou and Galileo static or dynamic data in multiple observation file formats with predefined coordinate systems and multiple manufactures antennas. Intuitive post-processing workflow is with quality check, selectable online map and CORS reference data downloading.

More Tools

CGO 2.0 offers access to different tools to make office work easier by using coordinates converter, antenna manager, TIFF map compressor (SIT), angle calculator, distance and volume calculation functions, RINEX converter, observation split and merge tools.

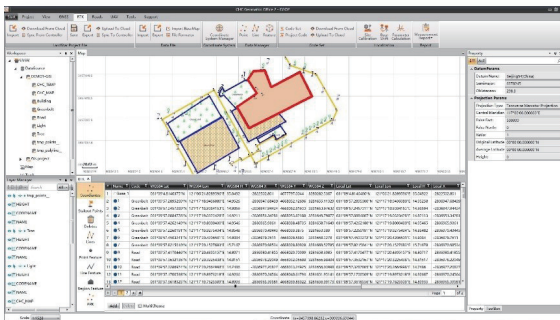
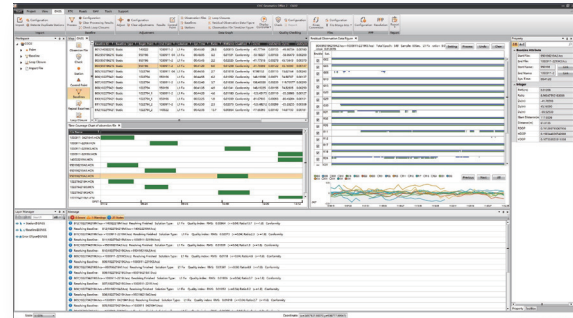
More Intuitive Interface

Users can follow the ease-to-use interface to complete workflow with just minimum training requirements and see guidance in the user-friendly message box. Ability to customise layout and modules displaying makes the software adapt to your working habits.

Key Features

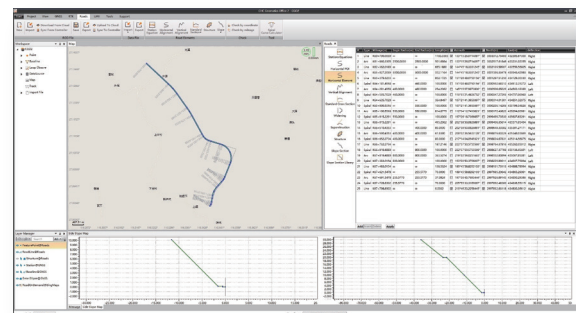
GNSS

- Supports GPS, GLONASS, BeiDou and Galileo
- RINEX, .HCN, .NOV, .BD9 observation file formats
- Post-processing static and dynamic data with PP, PPK, PPP, DGPS algorithms
- Observation file timeline
- Intuitive baseline editor
- One-click adjustment including 3D and constraint network adjustment
- PPP solution with auto-downloading of precise ephemeris
- GNSS data analysis and export reports (station, baseline, adjustment, PPK and loop closure)
- CORS reference data downloading
- Baselines and adjustment error ellipses displaying on online maps (OSM, Bing, WMS and WMTS)



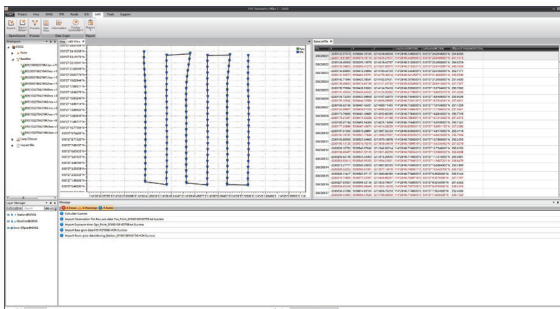
RTK

- Use PPK post-processing results to correct RTK data
- Field project settings including coordinate system, points and features, localisation, base shift and base maps
- Export to .KML, .SHP, .DXF, .HTML, .CSV, .RAW format reports
- Online map displaying integrated with GNSS and Road data



Road

- User-friendly road elements editing with Excel data pasting
- Road centre line, alignments, sections and slopes data editing along with facilities such as ditch and bridge
- Online map displaying integrated with GNSS and RTK data



UAV

- Get corrected UAV track coordinates by using both RTK and PPK algorithms
- Display UAV track with both positioning data and RTK data
- Export corrected UAV track coordinates of each capture

Specifications

System Recommendations

Operating system	Microsoft Windows ⁽¹⁾ 7, 8, 10 (32-bit and 64-bit)	
Runtime library	.Net Framework 4.0/VS2008/VS2012/VS2015 runtime	
Hardware	Minimum	Recommended
Processor	Intel® Core™ i3	Intel® Core™ i5
RAM	4 GB	8 GB
Hard disk	1 GB	1 TB
Graphics card	Direct X9 compatible Integrated graphics	Direct X9 compatible 2 GB discrete graphics

Software License

USB dongle driver
Software registration code

Supported Language

English
Russian
Chinese

*Specifications are subject to change without notice.
⁽¹⁾Under Microsoft Windows, requires administrator privileges.

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Shanghai Huace Navigation Technology Ltd.

599 Gaojing Road, Building D
Shanghai 201702, China

+86 21 54260273 WWW.CHCNAV.COM

