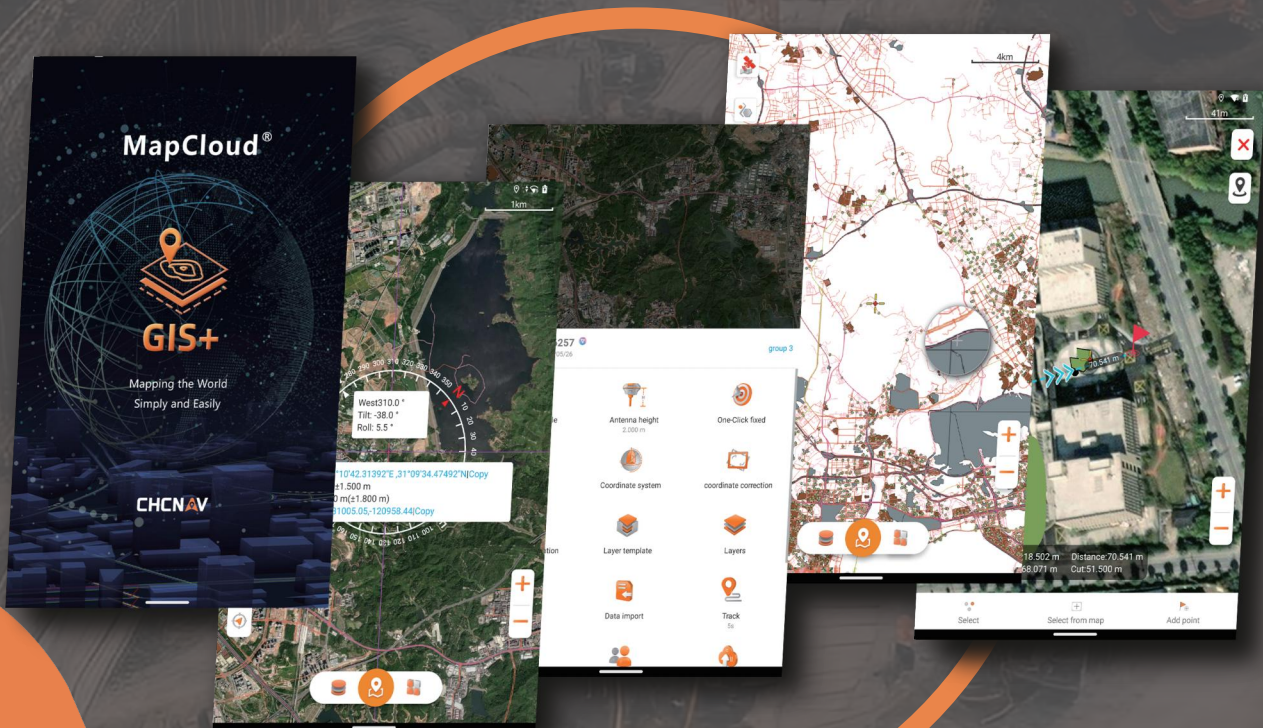


# CHCNAV

# MapCloud<sup>®</sup>

## GIS DATA CAPTURE AND MAPPING APP FOR ANDROID



## SURVEYING & ENGINEERING

# ADVANCED GIS DATA CAPTURE SOFTWARE

MapCloud® by CHCNAV is a field data collection software with a powerful mapping engine. It offers seamless integration with popular GIS file formats for both import and export, maintaining compatibility with existing software ecosystems and promoting immediate productivity gains. Designed specifically for Android devices and CHCNAV data controllers, it is the preferred solution for professionals in a variety of industries, including pipeline management, forestry, utilities, municipal asset management, and natural resource inventory. MapCloud® provides exceptional usability in the field and sets the standard for operational efficiency.

## POWERFUL PERFORMANCE

### Smoothly run large files 5-10x quicker

MapCloud®'s powerful mapping engine efficiently manages the loading, modification, and exporting of SHP files. It supports a wide range of popular GIS formats, including DWG, DXF, SHP, KML, GPX, TIF, IMG, MBTiles, JPG, WMS, and WFS. Users can easily load GB-grade SHP files and visualize detailed attributes. In addition, TB-grade TIF files are processed quickly, with fast browsing and seamless integration with online base maps from sources such as Google, Bing, WMS, and WFS. Unique thematic values and labels simplify complex data analysis and visualization.

## EASE OF USE

### Intuitive interface with powerful features

The intuitive design of MapCloud® features large map windows and vivid graphics that streamline surveying and mapping operations for all levels of users. Customizable, industry-specific layer templates and simultaneous multi-feature capture capabilities improve efficiency by more than 50%. The software supports thematic maps to enrich data displays and includes built-in video tutorials and localization tools to help operators quickly adapt to varying field conditions.

## RICH FUNCTIONALITY

### Tailored to meet diverse industry demands

MapCloud® efficiently manages multiple data types, including points, lines, and polygons, along with extensive attribute libraries. It offers multiple measurement methods, numerous import and export formats, and a comprehensive library of global coordinate systems. Essential functions such as coordinate stakeout, track recording, and length and area measurements are enhanced with voice or audible prompts for ease of use in the field. The software also supports secondary development to provide capabilities to obtain high accuracy GNSS data.

## EXTENDED CLOUD CONNECTIVITY

### Enhance team collaboration from field to office

MapCloud®'s integrated cloud-based framework facilitates efficient teamwork by supporting project backup, collaboration, and extensive data storage. The Sharing Code feature simplifies the transfer of project data between office computers and field controllers, as well as between different field devices. As a result, teams stay connected and informed, greatly improving the efficiency of multi-site project management and execution.

## TWO DATA COLLECTION OPTIONS



### Data Collector Support

Can be installed on Android tablets or data controllers for direct data collection, bringing accuracy to your fingertips and offering greater portability for field operations.



### Field Hardware Support

Supports connection with CHCNAV GNSS RTK receivers to ensure more precise data collection.



# SPECIFICATIONS

## Features

Concise user interface

Extensive import/export format support

Efficient loading GB-grade SHP file, and can view attributes

Smooth loading TB-grade TIF file

Seamless loading Google, Bing, WMS, WFS online base map

Unique thematic values and labels

Simultaneous collection of multiple features

Support for RTCM messages

Customizable industry layer templates

Connection types (Bluetooth, Wi-Fi and demo)

Intuitive workflow

Global Coordinate Systems Library access

Coordinate stakeout

Track record

Length and area measurement

Integration with various measurement methods

Voice or audible prompts

Online software updates

Cloud Services with Sharing Code functionality

Integrated video tutorials

## Field Hardware Support

CHCNAV GNSS receivers (Including i93, i89, i83, i76, i73+, i73, iBase)

Android handheld controller with internal GPS

## Data Collector Support

CHCNAV HCE600

CHCNAV LT800/LT800H/LT60H

Android devices (operating system 7.0.1 and higher)

## Operating System Support

Android 7.0.1 and higher

## License

Online software registration

## Communication Protocols Configuration

CHC

Transparent

TT450s

SATEL\_3AS

PCC4FSK

NTRIP

TCP Direct

APIS

## Supported Languages

Arabic

Bulgarian

Chinese (Simplified)

Chinese (Traditional)

Croatian

Czech

English

Finnish

French

German

Greek

Hungarian

Italian

Japanese

Kazakh

Korean

Laotian

Malaysian

Mongolian

Persian

Polish

Portuguese

Russian

Slovak

Spanish

Swedish

Thai

Turkish

Ukrainian

Vietnamese

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