Your ideal field-to-finish solution with
- reliable data management,
- abundant drawing capabilities,
- convenient result management,
- and seamless GIS data link for digital city planning.

DIGI your work, CASS your map!
CASS10.0, a user-friendly mapping solution, helps you from downloading, inputting and processing measured data to generating desired results. The powerful AutoCAD based feature makes CASS2008 very convenient for graphics design and processing. This versatile package, integrating topographical, cadastral, and spatial databasing, engineering application, earthwork calculation all in one, provides you a variety of sharp features and functionalities for your office operation and tailored to your diverse needs of field to finish.

Since 1994...

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Great Convenience from AutoCAD Base

- Data Integration
- Symbol
- Attribute
- Map-Symbol-Attribute

Rich Engineering Applications

- Engineering(c)
- Earthwork Calculation
- Road Design
- Area Calculation

Seamless GIS Data Link

- GIS Data File
- GIS Format Export

All-round DRAWER

Plenty of Options for Editing Object

Engineering Applications

Graphic Edit Tools

Standard Result Export

Standard Mapsheet Result

KEY FEATURE

Rich Engineering Applications

- Engineering(c)
- Earthwork Calculation
- Road Design
- Area Calculation

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Data Integration

Map

Symbol

Attribute

Map-Symbol-Attribute

Great Convenience from AutoCAD Base

Computer Aided Surveying System
**CASS FUNCTIONS OVERVIEW**

- **Easy Data Import at Your Fingertips**
  - Data Collection: SOUTH Mapping Genius
  - Data Collection: Total Station
  - Other Sources of Data Collection
    - Coordinates Data + Simple Digital Drafting
    - Coordinates Data + Manual drafting
    - Manual Input Coordinates Data

- **Intuitive Topographic Map Drawing**

- **Rich Symbols Library, Customization Available**
  - Symbols Library
  - Layers manager
  - Building Layer
  - Traffic Layer
  - Contours Layer

- **Abundant Graphic Editing Tools**
  - Informative Toolbars
  - Contours Drawing
  - Contours Edit & Clip

- **Standard Result Export, Ready for GIS Applications**
  - Seamless GIS Data Link

**CASS ENGINEERING APPLICATIONS**

- **Engineering Applications**
  - Earthwork Calculation by Sections
  - Earthwork Calculation between two Sections
  - Earthwork Calculation by Grids
  - Earthwork Calculation by DTM
  - Road Section Map
  - Road Section Design
  - Road Design
  - Area Calculation

**CASS DATA FORMAT FOR IMPORT & EXPORT**

- **Supports Various Data Formats**
  - Data Format for Import
  - Map and GIS Data for Export
  - GIS Table & Files
  - Mapsheet Result

- **Friendly to All Major Brands**
  - Leica
  - Topcon
  - Sokkia
  - Pentax
  - Nikon
APPLICATION PROCESSING

- Data Collection (Total station, Data collector, Raw Data)
- Draw Object Symbol
- DTM Generation, Contour Drawing
- Data Export, Map Printing

- Mapsheet Edition, Map Printing
- Export to GIS Data

SOLUTIONS FOR DIGITAL MAPPING INTEGRATION

- Collecting data with total station & drafting → Indoor mapping → Map printing & Result export
- Collecting data with controller, drafting → Indoor mapping → Map printing & Result export
- Collecting data with total station & drafting with code files → Indoor mapping → Map generated with code files
- Map scanning vectorization → Scan mapping → Map printing & Result export
- Mapping with electronic plane table → Map drawing and editing → Map printing & Result export

WIDE APPLICATIONS

- Topographic, Land Management, City Planning, Municipality, Environment Protection
- Geology, Transportation, Hydraulic Engineering, Power Engineering, Mining