



The Construction Technology Standard

BUSINESS CENTER – HCE™

Powered by Trimble



TRIMBLE: CONNECTING YOUR CONSTRUCTION SITE

CONNECTING YOUR CONSTRUCTION SITE

THE ULTIMATE DATA MANAGEMENT SYSTEM

Business Center—Heavy Construction Edition (HCE) from Trimble is the only office software you need to manage, analyze and process site and highway construction data. With powerful tools to help control data between the office and the field, you can easily combine and manage data from multiple sources to generate accurate, integrated results, and then share these results with the entire project team. Business Center—HCE can help you decrease costly mistakes and increase productivity in the office and on the construction job site.

IT'S EASY TO GET STARTED

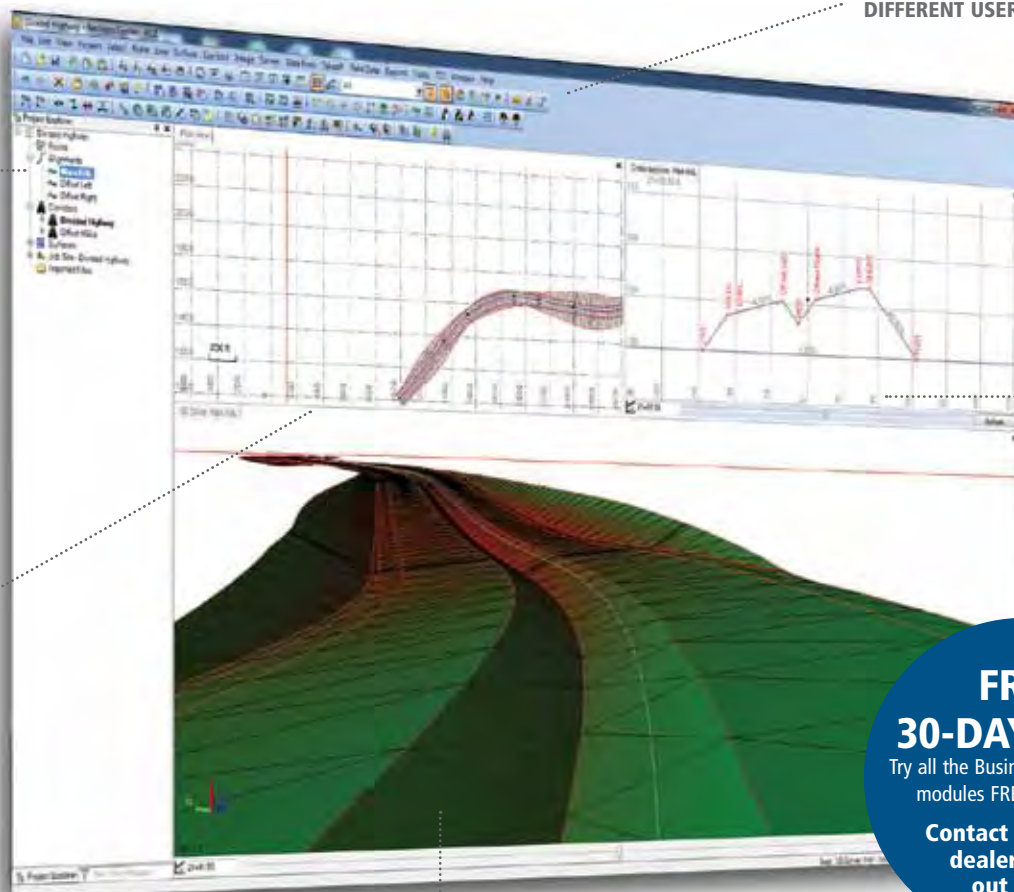
Begin with the free Core Product, which makes managing data for 3D machine control and site positioning systems easier and more seamless than ever before.

Then contact your local dealer for information about additional modules to extend the software's functionality, or to schedule a solution demonstration.

Just go to www.trimble.com/powerofsoftware, enter your registration information and download the Core Product at no cost.

PROJECT EXPLORER AND VIEW FILTER MANAGER PROVIDES RAPID ACCESS TO DISPLAY AND SELECTION CONTROLS

MULTIPLE VIEW AND MULTI-SCREEN ENVIRONMENT SHOWS PLAN, PROFILE, CROSS SECTION, 3D, 3D DRIVE THROUGH, AND SPREADSHEET VIEWS



6 MODES OF OPERATION ADJUST THE MENU ITEMS AND ICONS TO MEET DIFFERENT USER REQUIREMENTS

INTERACTIVE VIEWS UPDATE IMMEDIATELY IN LINE WITH DATA MODEL CHANGES

POWERFUL 3D VIEW AND 3D DRIVE THROUGH VIEWS ALLOW FOR RAPID MODEL ERROR IDENTIFICATION AND CORRECTION DIRECTLY FROM THE 3D VIEW

**FREE
30-DAY TRIAL**
Try all the Business Center—HCE modules FREE for 30 days.
Contact your local dealer to find out more.



MODES OF OPERATION SIMPLIFY USE AND ACCELERATE LEARNING

Contractors can simplify the user interface by changing menu and toolbar layouts to make using and navigating the program easier and more efficient. Additionally, improved Workflow Guides can reduce the learning curve by guiding the user through typical workflows that include all the needed steps and commands in the right order.

FIELD DATA

Managing your field data has never been easier with Business Center - HCE. Designed to work seamlessly with Trimble® SCS900 Site Controller Software, Trimble GCS900 Grade Control System, Trimble PCS900 Paving Control System, Trimble CCS900 Compaction Control System and Cat® AccuGrade™ Grade Control Systems.

Software needed:
• Core Product

DATA REVIEW

Enhanced tools for Site Data Managers and GPS Managers give you the ability to select, create, edit and draft data, as well as generate reports and plots or publish information.

Software needed:
• Core Product

DATA PREP

Efficient construction operations begin with accurate data preparation. Business Center—HCE helps ensure data is clean, up-to-date and delivered in the right format to get the job done.

Modules needed:
• Data Prep
Optional modules:
• Image Manager • Surface Tools

TAKEOFF

Prepare earthworks and construction material quantity takeoffs quickly with expanded detail and sharper accuracy—helping you win more business.

Modules needed:
• Takeoff
Optional modules:
• Image Manager • Surface Tools • Data Prep
• Road Takeoff Tools

CONSTRUCTION AND SURVEY

Complete access to all construction and survey functionality including Total Station and GNSS data post processing and network adjustment.

Modules needed:
• Data Prep • Takeoff • Surface Tools • Image Manager
• Road Takeoff Tools • GNSS and Total Station Processing



MODULAR SOFTWARE DESIGNED TO GROW WITH YOUR BUSINESS

WHETHER YOU ARE A SMALL SITE CONTRACTOR OR MANAGE LARGE PROJECTS, BUSINESS CENTER—HCE OFFERS MODULES TO MEET YOUR NEEDS.



CORE PRODUCT (FREE TO ALL USERS)

- Supports most digital data imports and exports
- Fully supports Trimble SCS900 Site Controller Software, Trimble GCS900, PCS900 and CCS900 Machine Control Systems, and Cat AccuGrade data creation and processing
- Plan, profile, cross section, 3D and spreadsheet views
- Generation of numerous reports

DATA PREP MODULE

- Clean up imported CAD data
- Advanced CAD tools (trim, extend, offset lines)
- Automated high productivity elevating tools for imported CAD data
- Elevate contours, pads, lines and points
- Advanced surface modeling and editing tools for site projects

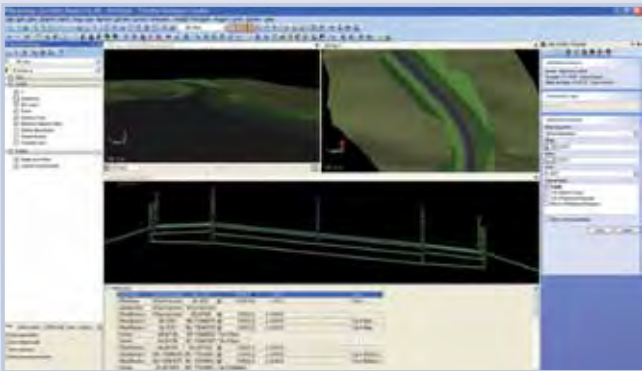


IMAGE MANAGER MODULE

- Import digital image files and PDF plans and sections
- Georeference image files to scale and location
- Provide background for heads up digitizing of plans
- Drape image over surface for checking digitization
- Publish image and digitized data to Google Earth™ and Connected Community

ROAD TAKEOFF TOOLS MODULE

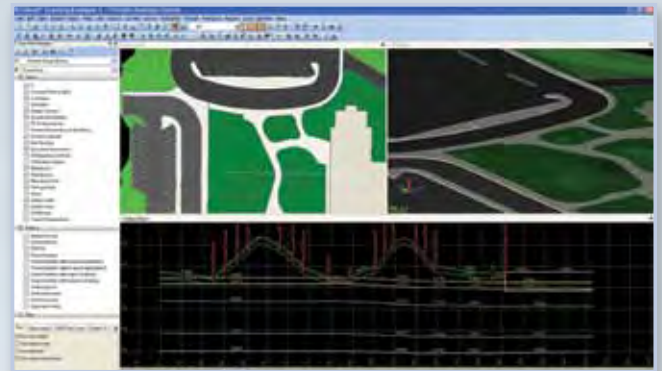
- Digitize cross-section drawings from a raster image or a PDF file
- Supports raster PDF, JPEG, TIFF or PNG files
- Store cross-section objects in association with an alignment object





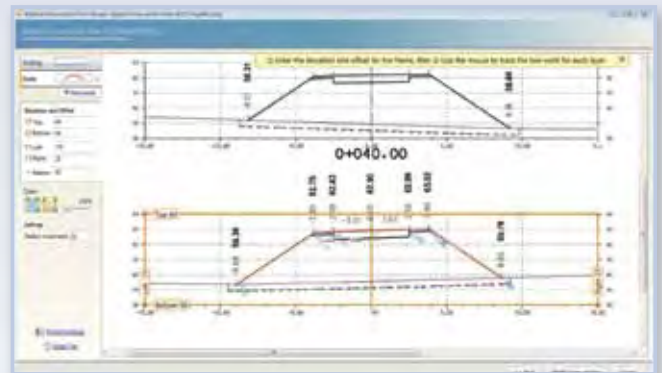
TAKEOFF MODULE

- Create and maintain a materials and site improvements library
- Heads up digitizing from images and PDF files or digitizing from paper plans
- Assignment of site improvements, topsoil stripping and replacement areas
- Creation of subsurface strata and drillhole data entry for subsurface earthen material strata models
- Accounting for overexcavation to achieve the specified density beneath structures
- Creation of Areas of Interest
- Takeoff reports include all material volumes lengths and counts, plus cost information



SURFACE TOOLS MODULE

- Automated surface edge breaklines
- Creation of surface boundaries - holes and islands
- Surface densification of corridors
- Alignment based surface models
- Uncompacted PCS surface model for paving
- Material texturing of surfaces
- 3D Alignment based drive through
- Superelevations and subgrades for corridor models
- Merge surface models together
- Drape lines over surfaces
- Create symbols to scale on points imported from SCS900



TOTAL STATION AND GNSS PROCESSING MODULE

- Full management of Digital Level, Total Station and GNSS / GPS data



THE TRIMBLE CONNECTED SITE

Trimble Connected Site™ solutions unlock new levels of productivity and cost savings...the level of connected site implementation determines the size of the savings.



Wireless Sync

The wireless communication tools built into all Trimble systems enable real-time data synchronization between the field and the office.



Remote Infrastructure

Cost effective, flexible solutions deliver data to the site via the Internet or cellular network.



Asset Management

Trimble asset management solutions ensure people and assets are optimized for maximum productivity.



Remote Support

Remote virtual support for Trimble mobile hardware devices and Trimble office software reduces downtime and errors.



Project Tracking

Instant access to centralized project data gives managers the ability to easily monitor whether projects are on track and on budget.





BUSINESS CENTER—HCE SPECIFICATIONS

SYSTEM RECOMMENDATIONS

- Operating systems - Microsoft® Windows® XP (32-bit with Service Pack 3; 64-bit with SP2), Windows Vista (with SP1), and Windows 7
- Processor - Dual-Core 1.80 GHz
- RAM - 2 GB or greater
- Hard disc space - 5 GB
- Graphics card - Mid-range, discrete graphics card with minimum 256 MB and support for DirectX® 9.0 (avoid integrated graphics if possible)
- Screen resolution - 1024 x 768 or higher resolution with 256 colors This assumes that your DPI setting is Normal (96 DPI) and that your font size is also set to Normal.
- I/O ports - USB 2.0 port for synchronizing data on a controller
- Other - Internet access is required for licensing (see "Installing Licensed Modules" on page 8), the Check for Updates command, and the Internet Download command.
Windows Installer 3.1 and Windows XP SP2 for .NET 3.5.
DVD-ROM drive to install the program if access to the downloadable installation on the Internet access is not available.

Note: The program runs as a 32-bit program, even if the operating system is 64-bit.

SUPPORTED LANGUAGES

English (US) and UK, French, German, Spanish, Italian, Swedish, Chinese (simplified), Portuguese, Japanese, Dutch and Russian

COMPATIBLE WITH MOST DIGITIZING TABLETS

IMPORT/EXPORT FILE FORMATS

- PRO (Terramodel)
- TTM
- SCS900 SPJ/GCJ
- GCS900 SVD/SVL
- DC/CAL/CFG
- Wirth YXZ
- TGO Projects
- DXF/DWG
- DGN
- LandXML
- Image formats (JPEG, GIF, PNG, BMP, PDF)
- Coordinates ASCII, CSV, PTS, TXT
- Station, Offset, Elevation ASCII, CSV, PTS, TXT
- MX GENIO
- 12D ASCII
- REB / GAEB
- ISPOL (Buhodra)
- Bentley InRoads
- Tool CLIP

INCLUDES

- Trimble SCS Data Manager
- Trimble Office Synchronizer



TRIMBLE: THE CONSTRUCTION TECHNOLOGY STANDARD

Trimble provides the tools and support to let you integrate planning, design, site positioning, machine control and asset management information throughout the construction life cycle for more efficient operations and higher profits. Visit your SITECH technology dealer today to learn how easy it is to utilize technology that makes significant improvements in project workflow, dramatically increases your production, improves your accuracy and lowers your operating costs.

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