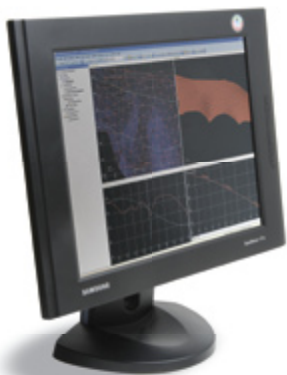




KEY FEATURES

- Graphical visualization of design data and field measurement records
- Powerful, automated routing of data to and from controllers and field crews means all crews are working from the same data sets
- Automatic detection of data discrepancies between site controllers and the Trimble Business Center - HCE project files, with immediate prompt for resolution
- Reliable digital design data import from multiple data sources
- Earthwork material volume computations and high quality, easily understood reports
- Intuitive user interface offers built-in feedback and tooltips for new users



THE CONTRACTOR'S ULTIMATE JOBSITE AND CREW MANAGEMENT TOOL

The easy-to-use Trimble Business Center - Heavy Construction Edition (HCE) is ideal for construction professionals involved in construction data preparation and managing the provision of data to and from field crews. Using Trimble Business Center - HCE, contractors can import, review, and analyze graphical design information, then easily assign, manage, and track that information through the lifetime of a construction project. It ensures that field crews have accurate and up-to-date information and optimizes the workflow of Trimble® SCS900 Site Controller Software.

Trimble Business Center - HCE creates a dynamic link between the project file and one or more controllers running the Trimble SCS900 Site Controller Software on the jobsite. Design data imported into Trimble Business Center - HCE from the project design process, is cleaned, edited, modeled, and converted into alignments, surfaces, and CAD linework data models. The data models can be reviewed in plan, spreadsheet, profile, cross section, or 3D views for errors and omissions before being assigned to any of the associated field crews as site or design data.

Once assigned to a field crew, data is tracked and managed using the unique Trimble Intelligent Data Tracking feature. This feature automatically monitors the controllers and the Trimble Business Center - HCE project information for any changes to the assigned

data. When a change on either side is detected, the software flags that there is a difference to resolve. This powerful, automatic data synchronization capability reduces costly mistakes and rework due to inconsistent data and design file updates.

DATA MANAGEMENT FOR SITE POSITIONING AND GRADE CONTROL

Trimble Business Center - HCE puts emphasis on efficient management of a single job site and the crews operating on that site at any time. As a graphically-based data manager for the Trimble SCS900 Site Controller Software, it also allows a contractor to import and manipulate data prior to passing it through Trimble SiteVision® Office for use with the Trimble GCS900 Grade Control System.

Trimble Business Center - HCE handles geodetic, field measurement, CAD, and design information, and provides specific workflows to manage information for a construction project. Plan, Profile, Cross section, spreadsheet, and 3D views are all dynamically linked, so edits in one view are automatically reflected in all other views and any associated surface models and contours.

TRIMBLE BUSINESS CENTER – HEAVY CONSTRUCTION EDITION

CREATED TO STREAMLINE CONSTRUCTION DATA FLOWS

Trimble Business Center - HCE is the first software package designed specifically to streamline site positioning and grade control workflows, such as:

- **Calibrating the project for GPS** – Site calibrations measured using Trimble SCS900 Site Controller Software can be imported, reviewed, analyzed, and modified to improve the site calibration prior to the start of construction.
- **Control Points and Stakeout Points** – Control point and stakeout point coordinates can be imported from a variety of data formats, or manually entered and prepared for the field. Points created through field measurements are automatically flagged when synchronized to the office so they can be readily added to the project and automatically re-distributed to other crews.
- **Background and Foreground Maps** – Graphical data can be imported from a variety of sources including LandXML, DWG, DXF, REB, GENIO, and more. Data can be previewed in plan or 3D views prior to selection for use as a background map or foreground map in the Trimble SCS900 Site Controller Software.
- **Surface Models** – Trimble Business Center - HCE automatically recognizes surface information during import to create the model as a surface with boundaries, TIN nodes, breaklines, and the resulting TIN triangles. It also provides tools to create surfaces from other 3D data and to edit and visualize the models in plan, profile, cross section, or 3D views prior to distribution to field crews.
- **Grade Control** – Surface models created in Trimble Business Center - HCE can be passed through Trimble SiteVision Office to the Trimble GCS900 Grade Control System for grade control applications.
- **Road Alignment Data** – Road alignment data can be imported from LandXML, GENIO, and REB formats. Alignment data can include horizontal and vertical alignment components and station equation information. The alignments may be manually entered or adjusted using the alignment editor, prior to being combined with a road surface model for Trimble SCS900 Site Controller Software (for site positioning), or Trimble SiteVision Office software (for grade control).
- **Work Order Results** – Work order results can be imported into Trimble Business Center - HCE for review, editing, visualization, analysis, and for the computation of surface volumes and cut/fill models. Work order results and reports can also be opened in the Trimble SCS Report Utility for Microsoft® Excel® spreadsheet software to generate high quality task focused reports and analysis.
- **Site, Design, and Work Order Management** – Users can create, edit, and manage Trimble SCS900 Site Controller Software sites, designs, and work orders, and assign or reassign work orders to field crews.

SYSTEM REQUIREMENTS

Minimum Hardware Requirements

The minimum requirements for the computer running Trimble Business Center - HCE are:

- Pentium based computer, 450 MHz or faster with 512 MB RAM and 1 GB hard drive available prior to installation
- Color monitor and graphics card with 1024x768 resolution, 16 MB ram required on graphics card
- Keyboard, and mouse or trackball
- CD ROM drive
- Microsoft® Windows® 2000 Professional, Windows XP Home, Windows XP Professional, or Windows Server 2003, Windows Vista operating systems.

Recommended Hardware Configurations

The recommended requirements for the computer running Trimble Business Center - HCE are:

- Pentium based computer, 2.8 GHz or faster with 1 GB RAM
- Graphics card with 256 MB RAM
- 3-button mouse with scroll wheel

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