



## COSTOS SOFTWARE OVERVIEW

**Focus:** The Staff at Nomitech and Cost-OS LLC brings over 100 years combined experience in successful implementations of estimating software and for the past decade we have captured the industry's "best practice" in the CostOS software platform. Our sole focus is to provide the most complete, user friendly, functional and innovative Estimating Solutions for Estimators and Preconstruction. At the same time we strive to facilitate software integration between all departments - Engineering, Project Management/Controls, and Accounting.

**Support:** Because the CostOS Knowledge Base is developed in Memphis by our staff, we can support our customers who use it. The integrity of our data and the support provided to our customers is unmatched in the industry.

**User Friendly:** The CostOS platform is intuitive and provides users with a dynamic spreadsheet and database that allows our customers to produce estimates from day one. This promotes user buy-in and adoption and reduces the time required for implementation.

**Complete:** The heart of the COSTOS platform is the Line Item database that contains most of the construction items needed to estimate Commercial and Industrial projects. We can also import our Customer's historical cost databases from previous estimates and legacy systems.

**Flexible Takeoff:** CostOS provides our Customer's the ability to quickly and easily create Intelligent Assemblies that are very versatile and can address many job variables on the fly without the estimator having to change formulas or assembly logic. These Assemblies will prompt the estimator for dimensional information, specifications of materials and methods of placement and then automatically pull items from the cost database with accurately calculated quantities.

All items in the database can be associated to labor, equipment or subcontract costs and materials are priced. The items generated from takeoff are displayed on a user-defined, dynamic spreadsheet where the estimator can make job specific changes on the fly. Company Standard Assemblies can greatly speed up development of conceptual estimates and increase a more accurate estimate early on in the budget development of a project.



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**Powerful Takeoff:** Parametric Assemblies can easily be created to estimate buildings such as a School (based on # of students), a Hospital (based on # of beds), and a Hotel (based on # of Keys). Capture your best practice and historical cost that can be shared throughout the company.

**2D Takeoff:** CostOS comes out of the box with an embedded 2D Takeoff function that allows you to import .tif, .dwg, .gif, .bmp, .pdf and other formatted drawings. You then set your Scale and use your mouse to overlay the image in user-defined color resulting in accurate measurements. This dimensional information transfers directly into the CostOS estimate and can "feed" your Intelligent Assemblies.

**GIS Takeoff:** CostOS provides a unique takeoff feature that allows users to access Geographical Information Systems and measure in 2D directly from a Map pulled up from Google or Bing. This functionality is great for taking off Site Clearing, Paving, Retaining Wall, Piping, Curbs & Gutters and other site related items.

**BIM Integration:** CostOS provides an embedded BIM interface that imports IFC files extracted from most design tools such as Revit, Tekla, Bentley, Intergraph and others. The 3D/BIM Objects and Attributes can be "mapped" to Line Items in the Cost Database or to Intelligent Assemblies. The Power of this feature allows Estimators to assign attributes to the Model Objects when data is missing from the Model!

**Value Engineering:** Estimators need to review takeoff and will often make changes to dimensional information or material and placement procedures. Changes to the estimate takeoff are easily handled by going to a line of takeoff and changing information as needed. Changes are automatically recalculated and displayed on screen for comparison. Once the changes are accepted they are instantly posted to the Estimate Spreadsheet. You can create estimate revisions and make a changes to previous takeoff such as replacing glass block with brick or replacing 1/2" drywall with 5/8" drywall. Estimate Comparison Reports can be created for side by side comparison of cost so the owner can see the variance.

**Metriation:** CostOS will address both Metric and Imperial using ONE database. You can see estimate line items in both Metric and Imperial unit and cost and print reports in both formats.



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**Multi-Currency:** CostOS contains over 55 Currencies with an Exchange Rate feature that can be updated from the internet.

**Multi-User:** Multiple Users can be in the same project at the same time. User and Group Profiles can be set up to define "who can do what" in specific estimates.

**Interactive Spreadsheet:** Once you have completed takeoff in the CostOS System, the Estimate Detail resides on a customizable spreadsheet. The items on the spreadsheet can be sorted numerous ways using Group Codes and WBS. For example, you may wish to see all items by building, then by floor, then by CSI division and then by Major Item Code group. You can filter the CostOS spreadsheet to show only the columns and information that you are used to working with. One estimator may look only at unit prices while another likes to see crew productivity, man-hours and duration. CostOS allows you to store as many "spreadsheet views" as you like.

**Project Variables:** All of our customers have their own unique Summaries and "Top Sheets" that summarize estimate detail in order to apply markups (burden, tax, fee, risk, contingencies, etc.) CostOS will import customer spreadsheets with formulas and cells can also be linked to Cost, Hours and Group Codes contained in the estimate. These workbooks can be saved as Templates and selected at the creation of new estimates. Summary values can also be "distributed" back into the estimate line item details. The Rate Build Up feature allows you to add allowances to the various Cost Types.

**Management:** Getting information out of an estimating system is key and custom reports are easily created using Jaspersoft iReports. You can also create Dashboards for Cross Project Comparison, Analysis and Benchmarking. Projects are stored in an SQL database that can be queried by Business Intelligence Tools such as Oracle BI, Qlikview and Tableau. There is no limit to the information the CostOS system can provide the management of your company.

**Technology:** The CostOS platform is written in Java and sits on an SQL database. CostOS is very configurable and can be integrated to other software using the embedded JSON API. You can create your own buttons and "teach" CostOS how to think the way that you do.

**Integration:** CostOS has a bi-directional interface to Excel and Primavera P6. The export to Excel retains the Group Code and WBS structure of the estimate and retains the formula links! CostOS will cost and resource load the P6 schedule. Changes to the schedule can update the estimate and changes to the estimate will update the schedule. Passing estimate cost data to accounting software can be accomplished by attaching your Code of Accounts to the items in the Line Item Cost Database.



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**Quote Management:** CostOS provides for a Company Database of Vendors and Subcontractors who can be selected to receive requests for Quotes. These Bids can be laid side by side for comparison and awarded in order to replace estimated cost with bids. CostOS provides you with a clearly defined history of all bid item activity.

**Vision:** The continued vision at Nomitech and Cost-OS LLC is to leverage technology in order to provide the estimator with the fastest and most accurate takeoff available. At the same time we want to capture a company's best practice in a Knowledge Base that can be shared by everyone, allowing new estimators to leverage the knowledge of senior estimators. We also believe that standardizing process provides managers the peace of mind needed for hard bidding and negotiating work with confidence. Cost-OS provides the platform required to accomplish these goals and our training, support and implementation services can ensure successful implementations.