RockWise 5D Automation
An Integrated Component
of RockWise ERP

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ROCKWISE 5D AUTOMATION FULLY INTEGRATES REVIT® 3D DESIGN WITH BOTH PRIMAVERA® AND ROCKWISE ERP

The RockWise 5D Automation Package offers a unique integration between three software solutions: REVIT 3D, the renowned 3D design software from Autodesk, Primavera the de-facto standard solution for project planning from Oracle, and RockWise ERP from Dynamesh. RockWise 5D captures, manages, and reports data from these three systems, making it available to the different stakeholders of a construction project. From the owner's representatives, to the architects, along with the contractors - all project stakeholders have access to best-in-class Building Information Modeling (BIM) industry practices, which streamline day-to-day operations and reduce cost tremendously.

RockWise 5D facilitates the transfer of REVIT data files to RockWise Estimating System in order to determine a project's budget cost. This budget cost is then used to update the budget of Primavera tasks. As for the actual cost of a project, RockWise ERP is able to capture the actual cost of labor, material, equipment, and overheads.

RockWise 5D manages changes on project data in a clear and efficient manner. Once changes are applied on the original 3D design in REVIT, the related data is captured and transferred to RockWise Claims and Change Management System, and subsequently to RockWise Contract Management System. Such changes include: 'new', 'modified', and 'deleted' bill of quantities (BOQ) elements on the design, including unit cost and quantities.

RockWise 5D manages progress on project activities in an effective manner. Once executed elements are reported in REVIT files (i.e. on the actual design), data is captured and transferred to RockWise Contract Management System to process the Payment Application. By the same token, the same data is used to update actual figures on Primavera project tasks with a few mouse clicks, thus eliminating the need to rekey any data.

- European Parliament voted to modernize European public procurement rules by recommending the use of BIM for public works contracts (Jan. 2014).

- Adoption of the directive means that all the 28 European Member States may encourage, specify or mandate use of BIM for publicly funded construction and building projects in the European Union by 2016.

- The UK, Netherlands, Denmark, Finland and Norway already require the use of BIM for publicly funded building projects.

1. Generate design element BOQ in minutes.

RockWise 5D Automation includes a set of add-in functions which, once applied to the REVIT software, enables full integration between REVIT, Primavera, and RockWise ERP. At the beginning of a project, once the architects have completed their design using REVIT, they are able to transfer their data to RockWise Estimating System through a set of easy-to-use functions. At this point, Estimators generate their estimates on the fly, thanks to the built-in trade library, which generates the bill of resources related to labor, material, and equipment.
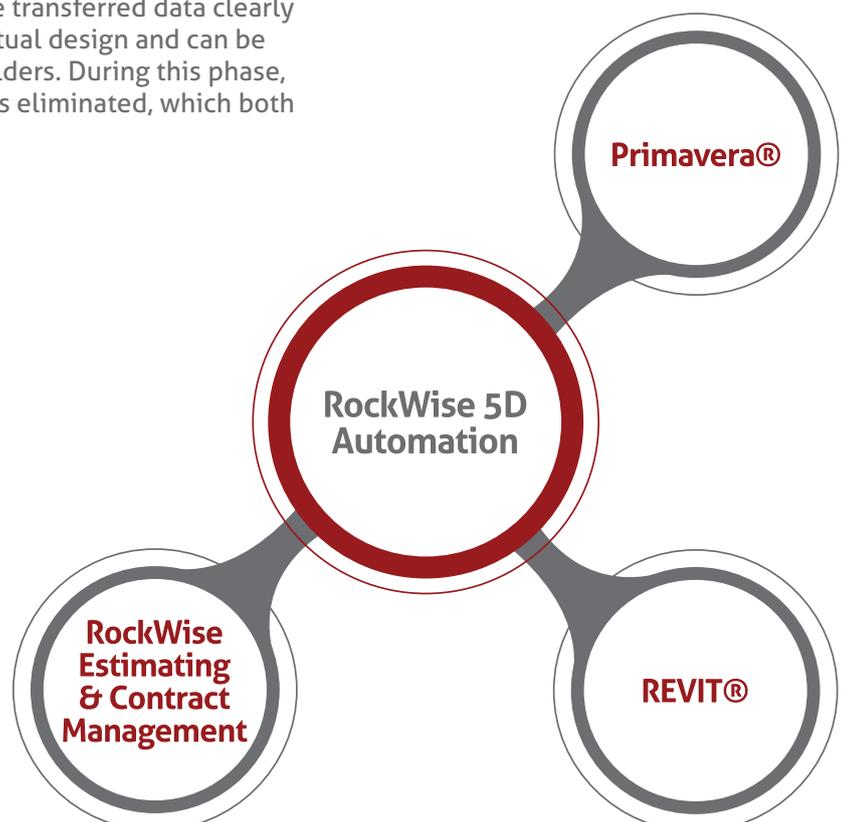
2. Track design changes in no time.

Capturing changes incurred on an original 3D design is a tedious task. Several people and days are generally required to track those changes and determine their impact on the original contract. RockWise 5D not only tremendously simplifies such a task, but it also streamlines the processes needed to trap changes made on the BOQs - whether they are new ones, ones that have been deleted, or ones that have been altered. The generated list of changes can be processed through RockWise Claim and Change Management System.

3. Generate a fully automated contract progress with one easy 3D input.

Progress that is reported on executed elements in REVIT files are transferred to RockWise Contract Management System in order to prepare the Payment Application. The transferred data clearly reflects the progress reported on the actual design and can be shared and viewed by different stakeholders. During this phase, transparency is ensured and confusion is eliminated, which both accelerates and facilitates the process.

4. Automatically allocate budgeted and actual quantities and costs.

Planners and cost engineers often remain in the dark when it comes to collecting accurate and timely project data. RockWise 5D automation eliminates this issue by streamlining and automating the project's processes. REVIT data is transferred to the Contract Management System then to Primavera project tasks with few clicks. As to the actual cost of labor and equipment, it is captured from the corresponding timesheets and the material cost from material issue vouchers that are provided by RockWise ERP modules.

Primavera®

RockWise 5D Automation

RockWise Estimating & Contract Management

REVIT®

RockWise 5D automation package offers unique integration between three software solutions: Revit 3D, Primavera, and RockWise ERP.