ArchVISION OFFICE for REVIT 21
a BIM solution proposed by MCS Software
for the dynamic quantity take-off between
Revit and Office

Presentation of the main characteristics of the product
Version updated in September 2020 - ver. 21.0
ArchVISION OFFICE for REVIT is an add-in that integrates and interfaces directly with Autodesk Revit (from 2017 to 2021) and with Microsoft Excel and Word (starting from the 2007 version), putting them in direct communication with each other through a dynamic and bidirectional dialogue between the two products by creating a unique link between one or more PL items (Price List) and families or instances (Autodesk Revit ID), it does not require IFC files, exports or intermediate interchange files, ArchVISION OFFICE for REVIT generates and updates the quantity take-off directly in native XLSX or DOCX format in real time and from Revit with just one click!
Association of one or more PL items from any list from Excel or Word file via Drag & Drop directly in Revit with measurements configured on Families, Instances, Materials, Paints, Parts, Masses, Topographic surfaces (excavations and fillings), Nested Families and Groups, allowing the subsequent realization of the quantity take-off directly in Excel or Word with subsequent dynamic and direct updates, also available in Worksharing mode (teamwork on federated and shared projects).
The connection between Excel or Word with Revit is dynamic and direct through "Drag & Drop" being able to easily change the cost, descriptions, calculation formulas and also the materials associated with them (Measurements) by updating a quantity take-off in a few seconds with multiple variants and price alternatives by also reading the parameters (type and instance) of the customized families, being able to compute the active selection, it is possible to manage Work Progress Status and simulate different contexts (possibly with calculations also organized by phases, levels, categorizations and Multilevel coding WBS).
ArchVISION OFFICE for REVIT allows the configuration of each measurement for one or more PL entries (Codes) from one or more lists by associating them with the geometries and the Instance and Type parameters in Revit.
The stratification, of the parts and of the single materials for the families of Walls, Floors, Ceilings and Roofs can also be managed by updating the schedules and the master data of the materials in Revit.
ArchVISION OFFICE for REVIT generates and updates complete material schedules showing the unique ID of each computed entity, the unique ID of each material associated with it with all the details of the associated PL item (code) and taken from the price list with area, volume and length of each layer.

The schedules thus created are available for layered families such as Walls, Floors, Roofs and Ceilings.
Total volume management including dead freight is available (Automatic deduction)
ArchVISION OFFICE for REVIT allows the possible association of PL entries to families by filtering and binding them according to a specific range of values in the instance parameters. (dimensions)
The management of MEP elements is available, allowing a detailed computation of MEP elements (Ducts, Walkways, Pipes, etc.) with Rates associated with them and bound according to the size of their sections for the same family.

In detail, it is possible to select distinct width and height of the section of ducts, walkways, pipes by blocking and constraining the selected PL item available in a very similar way also on the diameters of the pipes.
ArchVISION OFFICE for REVIT, also allows quantity take-off organized in **WBS Multi-level coding** by selecting the structure and the value directly from the customized parameters in existing Revit projects.
ArchVISION OFFICE for REVIT allows the calculation of structures organized by Super Categories, Categories and Sub Categories and their structure can be managed through special windows and dedicated archives.
ArchVISION OFFICE for REVIT provides for an easy labeling of the instances (through Instance ID) and of the families already associated with one or more PL items for printing Revit projects and quantity take-offs with precise references, thus being able to understand each item what it refers to even on site.
It is always possible to hide or display the families or instances that have already been assigned to one or more voices of PL (Price List) and therefore computable and it is possible to filter the entities also by code.
It is possible to filter the quantity take-off generated also by Work phases and Plans (Levels in Revit) by placing the computed elements in the appropriate Super Categories, Categories or Sub Categories.

ArchVISION OFFICE for REVIT generates or updates the calculation by detecting changes in the instances already calculated and allows them to be updated, preserving the measurements entered manually by the operator in the existing calculation, allows the activation of the WBS Multi-level management the management of Super Categories, of the Categories and Sub Categories, it is possible to filter the calculations by Phases and Levels and enable the calculation of MEP elements.
Compatible with **Revit from version 2017 up to 2021** and **MS Office (Excel and Word) from version 2007 (and later versions) up to the latest Office 365**.

**49 global parameters** shared by instance, types and materials including the information of the associated Price List items allowing the creation of customized schedules complete with all billing information.

**Possibility of working in a team** with full compatibility of the Work-sharing methodology and sharing of the measurements of the price lists of the billing information and of the bills of quantities made in a team also in the **cloud**, a very convenient working method even for individual professionals.

**Management of materials** and individual layers present in walls, floors, roofs and ceilings with the association to each material of the Price List items associated with it and available in Revit with activation of the **Material Schedules** containing the ID of the single instance and the ID of the single material.

**Filter by Code** in temporary views by precisely hiding the entities already associated with certain Price List items.

**Quick Compute** to update the last computation configured with a click.

**Revit FIND** to select a row of the bill (Excel or Word) and highlight its instance in Revit.
Complete management of customized global parameters that can also be used in formulas and linked together in even complex combinations (sheet metal development, formwork, special processes, etc.).

Management of topographic surfaces with calculation of excavation and fill.

Management of grooves and extrusions for walls and sloped floors (screeds).

Complete management of structural and MEP elements including electrical elements.

Automatic deduction (configurable according to the measures) of doors and windows.

Possibility to compute MEP elements by associating different codes according to their size.

Possibility of calculating, for the same family, several entities with fixed codes according to their instance parameters and their size.

Automatic labeling of computed instances for immediate comparisons between computations and tables.

Management of the single Parts of the Paintings of the Nested families, of the Insulations and of the Groups.

Licenses available in Subscription (rental plans) dynamic, modern and very versatile and manageable with an advanced technology in the Cloud and therefore easily shareable on multiple locations.

Available in professional version for free evaluation, educational and for resellers and partners.
**Compatibility**

**Autodesk Revit** starting from the 2017 version up to the latest **2021 in Italian, English and Spanish**

**MS Office** from 2007 up to the latest **Office 365 version in Italian, English, Spanish, French and German**

**MS Windows 7, 8.1 and 10 in Italian, English, Spanish, French and German**

ArchVISION OFFICE for REVIT is available with an **Italian, English, Spanish, French and German interface**.

**Note:**

- It does not work with Revit LT.
- No resources and hardware equipment greater than those necessary for Revit operation are required
- Free space required at the time of installation **700 Mbytes**
Each license includes:

**Telephone, e-mail or remote connection** assistance for contextual online support reserved for users covered by an active rental plan.

**Intermediate and release updates** for rental licenses of any updates (provided they are issued and covered by the term of the rental plan)

*ArchVISION OFFICE for REVIT in free evaluation version calculates the first 60 selected entities for 10 days (duration and quantity can be modified as needed)*
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In-depth video guides and tutorials are available on the YouTube channel:

www.youtube.com/user/McsSoftwareSrl

Available on the Autodesk store at the following address:

https://apps.autodesk.com/

Complete availability for remote connections and for live presentations at agreed times without any commitment

MCS Software is available in evaluating the development of customized solutions