ArchiTECH.PC® 2018
First Edition

The cross-section and light version of ArchiTECH.PC® Full, First Edition is dedicated to construction professionals who work on projects carried out by third parties *(economists, companies, etc.)* to let them extract bills of materials, generate estimates, and complete drawings according to the specific requirements *(detail books, as-built drawings, etc.).*
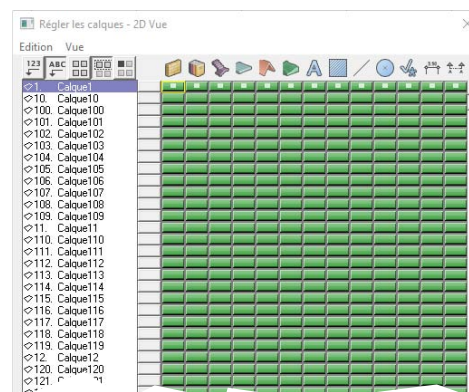
Integrating 2D, 3D, and quantitative direct-reading views on a selection of elements, ArchiTECH.PC® First Edition is first and foremost an unprecedented a-la-carte* option that allows you to choose the features you need every day for your projects, and to evolve at any time to higher versions.

(*) see overleaf

New Layers Manager

The Layers dialog box can remain open and visible throughout the entire preparation of a project *(either on top of the current view or on a second screen)*, while its size becomes variable in order to display only the layers of the tool in use, or only the layers of the selected elements. Layers can be displayed in alphabetical or numerical order or in order of their use.

New Tools

New tools are available that can enable you to work more quickly and efficiently, especially during modifications.

Select and move with one click

Select and copy with one click

Move only the clicked element of a selection

Copy only the clicked element of a selection

Offset a polygon segment according to a fixed value or the movement of the mouse; or move two segments beginning from the angle of a polygon depending on the movement of the mouse

Duplicate the selection with each new mouse click

Cut all elements of the drawing according to a line

Cut all elements of the drawing according to a polyline

New objects

● **Flashing**:
Vents, hips and flashing strips for the abergement of chimneys.
● **Metal framework**:
The metal girders were assembled in a generic tool allowing a series of purlins, rafters and battens to be arranged in a single time according to a predefined layout.
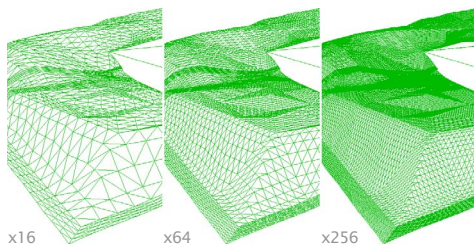● **Niches**:
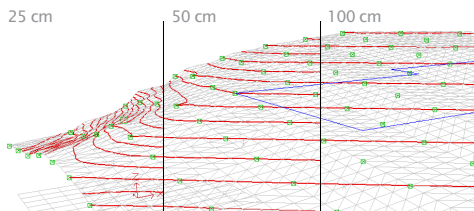Wall niches with the shapes and settings of the free openings.

Terrain Option

The terrain modeling tool has fundamentally changed.
● **Adjustable mesh densification** and terrain smoothing.

x16   x64   x256

● **Contour line interval can be set** according to the desired drawing precision.

25 cm   50 cm   100 cm

● **Sloping of platforms** (slope and smoothing) can be set by segment.
● **Change the altitude of a point or a surface** beginning from a predefined area using a selection polygon. Selected points can be saved in a TXT file to be moved to the site using a theodolyte to prepare for the location of buildings, land entries, etc.

Estimate, Bill of Quantities Option

Starting with the 2D/3D model of the project, this option allows you to carry out the estimated priced bill of quantities of the works, the descriptive notice and the special technical specifications in estimate software on the French market, as well as in Word®, Excel®, Project®, and LibreOffice®.

● Hierarchical breakdown of estimates in work phases (lots, chapters, sections, articles..).

● Database interacting with different views. Any project change causes automatic updating of quantities.
● Possibility of changing structures.
● Ability to process the works at flat cost (materials, labor, etc.).
● Customization of the layout of documents: headers, body, and footers of the pages.

Survey of Construction Sites, Rehabilitation, and Restoration Option

This Bluetooth® compatible option allows you to make any type of 2D/3D exterior or interior survey.

● A sketch drawn freehand automatically adjusts to each piece of data originating from a connected laser distance meter or Leica® Builder station.

● **Multiform Stairs**:
- Positioning of stairs by drawing their tread line and/or contour.
- Adjustment of steps and regulating their swing.
- Modification of the drawing of contours or tread lines.
● **Roof passing through three points**:
- Roof surveys with a laser distance meter from the ground up.
- Slope reconstituted according to the survey of three roof elevation points.
● **Correction of perspective in photos**:
Transformation of photographs of buildings (seen in perspective) into geometric views (elevated facades) with scaling.

Imaging Option

This option offers a decisive advantage for presenting projects to your clients or in a competition.
● **Global illumination renders**:
Management of direct light (light sources) and indirect light (incidence

of reflection of light rays on different surfaces).

● **Photo Match**:
Photomontages with very precise insertions on site done by calculating the observer's position beginning from the vanishing points of the photos used for this effect.

MINIMUM SYSTEM REQUIREMENTS:

● Windows® XP, Vista, 7, 8, 10, Server 2008 and Server 2012 in 32 or 64 bits
● Intel® Core i-7-4770 (3.40 GHz) or equivalent
● SSD 120 Go, including 400 MB for ArchiTECH.PC® and 7 GB for the textures of the Render+ option
● HDD 500 GB for data
● 4 GB for RAM
● Resolution 1280x1024, 16 million colors
● NVIDIA® GeForce® GTX 760 card with 2 GB dedicated to graphics
● Keyboard, Mouse, Printer with Windows® Print Drivers®

For more information,
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