

'Design The Way You Think'



Caddie



Caddie* is compatible with;
Windows 8® and Windows 10®

Image by kind permission of
Graham Rix RIBA

Caddie Background

Originally designed by an Architect, Caddie began its life in 1985 as one of the first Computer Aided Design packages for the new and relatively inexpensive PC platform. By providing users with traditional drawing and presentation methods, such as construction lines and pen weights, Caddie redefined how CAD systems worked, making it possible for everyone to draw, even those with no prior computing experience.

Today, Caddie remains true to its original goal, helping you realise your designs quickly, simply, and without compromise. Whether you need a 2D sketch, or a fully interactive AEC model, with Caddie you can be drawing faster than you do now, in less than a week.

Whatever your drawing background, with a choice of on-screen icons, keyboard shortcuts, or simple point and select, context menus, Caddie lets you choose a way of working that suits you, to make drawing and modelling fun.

Caddie makes sharing information easy too by using the industry standard 'DWG' file format. No need to import or convert your files, just load and save your drawings for seamless compatibility.

And when you need that little extra bit of help and advice, your Caddie licence comes with 12 months telephone, remote assisted support and web-link support built-in, keeping you working effectively, and producing the drawings you need.

Derek Bretherton
Managing Director

Caddie Professional

Designed to enable you to produce the information you need as accurately, quickly and efficiently as possible, in addition to a features you would expect from a professional CAD system, Caddie Professional also provides you with a suite of discipline related application tools that will transform your productivity.

Specialist applications include tools for;

[architecture](#), [steelwork](#), [surveying](#), [terrain modelling](#), [civil engineering](#), [mechanical](#), and [landscaping](#)

For more information on these specialist applications, follow the links above.

Architect, Allister Godfrey RIBA explains why his Caddie software is so vital to the success of his design led Chartered Practice

'Caddie has given me the leverage to stand out from the crowd in terms of the quality of the drawings I can produce.

Planning drawings are clear and legible, and portray the level of professionalism that I strive to attain.

Construction drawings are achieved with the minimum of fuss and are instantly available in the DWG format to other professionals in the design team which also saves time and money.'

Caddie Architectural is included as standard with Caddie Professional and is covered by 12 months software support and software updates

Computer Aided Design For Professionals

Introduction

*References to Windows® compatibility are for the current version of Caddie

Advanced Computer Solutions Limited

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Architectural Applications

With a range of specialist applications covering all aspects of the construction industry, Caddie Professional provides a total solution for the architectural designer

Caddie Architectural

Caddie Architectural provides you with the tools you need to make the most of the time you get to design. Whether you want to create a 3D building model, or simply produce a set of plans, sections and elevations, Caddie Architectural makes it easy to produce the drawings you need to satisfy clients, planners and building control



Industry standard DWG drawing format

When you draw and model using Caddie you can be secure in the knowledge that you are working in the industry standard DWG drawing format that makes sharing drawings and information easy.

AEC modelling tools

Produce a complete 3D model of your design in less time than it takes to draw out a 2D plan

Country specific content

Caddie AEC provides you with an out of the box solution to modelling your designs in 3D without the need to spend days or weeks configuring the walls, doors and windows for the way you build

Parametric modelling for maximum flexibility

Create and amend your designs without the need to redraw, making changes to your building model that update in your plans, sections and elevations at the click of your mouse

Automatic roof generation

Define the pitch, overhang and eaves then add a roof to your building with just 2 clicks, adding gables, hips and bonnet hips to create the roof design you need in seconds

Add 3D Stairs to your designs

Add straight, spiral, U-shaped and multi-landing stairs to your building models quickly and easily.

Choose the type of stair you want, indicate its position and be rewarded with a full parametric 3D stair

Generate plans, sections and elevations of your designs automatically

Draw out your building using Caddie's AEC tools then create the floor plans, sections and elevations automatically, and if you amend your design, simply hit the regenerate and watch them update

Comprehensive 2D architectural tools

Caddie Professional also includes a comprehensive array of architectural plan, section and elevation tools that speed up 2D drafting too.

Walls, doors and windows

Save time by drawing solid and cavity walls that come pre-hatched, inserting doors and windows of any size automatically without the need to trim, and create stud walls instantly without the need to copy or array

Automatic Sectioning tools

Draw sections through your buildings quickly and easily from 2D drawings

using Caddie's section tools including walls, windows, roofs, floors and staircases and portal frames

Elevation features tools

Add detail to your elevations with Caddie's brick arch and soldier tools

Artistic Tools for 'Hand-finishing' drawings

Create drawings that reflect the character of your designs and your own presentation, including Artistic tools to provide that 'hand-drawn' look

Automatic scheduling

Schedule doors, windows, areas and volumes from your drawings at the click of a mouse or pen

Electrical and fire annotation

Create electrical and fire layout drawings with automatic scheduling

Triangulation tools

Plot surveys of irregular buildings quickly and easily with Caddie's triangulation tools

Comprehensive Symbol and Block Libraries

Choose from a comprehensive range of pre-drawn symbols including people, trees, cars, sanitary ware and more to give your drawing that professional polish.



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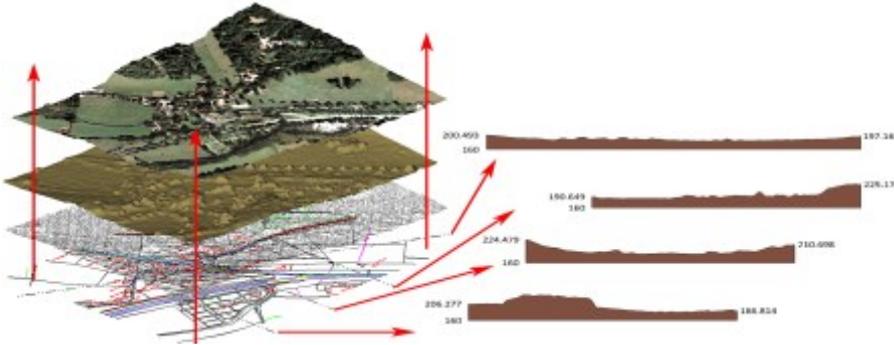
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Digital Terrain Modelling

Produce A 3D Terrain Model From A 2D Site Drawing - IN Minutes, NOT Hours



Create Contours, Calculate Cut & Fill Volumes, Generate Vertical Sections



Caddie's Digital Terrain Modelling Application has been specifically designed to address the problems faced by designers when dealing with uneven, contoured and sloping sites. Problems brought about by the need to both visualise these sites and the challenges they offer, and to describe them in the form of drawings and three-dimensional models, as quickly, easily and accurately as possible.

With direct input and conversion of data minimizing transcription and plotting errors, Caddie saves time and reduces the risk of human error.

Providing:

- Direct input of Total Station drawings from site surveyors and mapping providers such as Promap® using 'DWG' (Caddie's native drawing format) and 'DXF' to form base drawings.
- Import of spreadsheet, text file and GPS data along with conversion and plotting as grid-coordinates to define site features and boundaries.
- Insertion of photographs and direct download from satellite web sites such as Google Earth® for montage compositions and enhanced contextual presentation.
- Automatic generation of point heights from 2D survey drawings to illustrate 3D site features

- Automatic creation of 3D TIN (Triangular Irregular Network) from 3D points to model the site surface and provide form to the raw survey spot heights.
- Automatic generation of site contours with height labelling to provide a 2D representation of 3D site make-up.
- Automated level adjustment of 3D site models to provide the basis of site modifications.
- Automated optimisation of cut and fill operations, with in-built factoring for soil type, to help reduce transport of material to and from site and minimize environmental impact.
- Automatic site section generation complete with reference heights and datum marker to allow for more effective evaluation and utilization of a site's natural terrain.
- Conversion of 3D TIN models to 3D Meshes for enhanced rendering and smoothing of the site topography.

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Applications

VIO Photorealistic Rendering

Live Material Textures and High quality rendering made easy

Choose Caddie 'VIO' to view, design, and render your schemes using life-like material textures. Get live and instant feedback on your material choices to develop and inform your designs, then create stunning photo-realistic visualisations of your schemes to sell your ideas to clients and planners alike.

Based around the latest rendering engine from Sheffield based Lightwork Design, market leaders in rendering technology with over 2.5 million installations worldwide, Caddie 'VIO' makes producing high quality visualisations and renders easy.

Using Caddie's familiar and easy to use interface, 'VIO' offers users all the tools they need to produce convincing renders of their models without the over-complexity sometimes encountered in other packages. Complexity that can leave users unable to produce the results they want in the time they have available.

Once enabled, Caddie 'VIO' operates as part of Caddie, rather than being an external rendering engine, which provides the versatility and flexibility needed when altering and amending your designs that only a fully integrated solution can provide.

Caddie 'VIO' gives you access to literally thousands of textures to provide you with physically accurate depictions of real world materials,

For sensitive sites where material matching is critical, Caddie 'VIO' also lets you create your own materials and textures to include within your renders. Photograph your chosen material with a digital camera, cut out and save a repeating section as a tile in a image editing program, then incorporate it as a new material in Caddie 'VIO' and apply it to your building.

To make your models 'come-alive' Caddie VIO has a all the lighting tools you'll need. Lighting is based on true to life representations of natural and artificial lighting.

With precise global positioning for your models for correct shadow-casts, Caddie 'VIO' also provides an easy to use solution to creating sun studies of your designs. You can even include background and foreground images within renders to heighten the sense of reality by placing models directly into a street scene.

Caddie 'VIO' comes with 12 months support and software updates, so even those new to Caddie can get all the help they need to start producing high quality renders with Caddie 'VIO'.

- *Not available in Caddie Budget*

See the [website](#) for more images



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