Parking Design Software

Faster. Smarter. Better.

TRANSOFT SOLUTIONS

PARKCAD

Maximize Parking Capacity and Safety Requirements

ParkCAD® is an advanced CAD software that gives users the right tools to design parking layouts quicker and smarter than traditional CAD methods. With powerful layout, optimization and editing tools, users will increase productivity. Save time and money by reducing time-consuming redrawing of parking layout designs. Planning becomes easier with real-time stall counts and powerful reporting abilities for estimating cost.
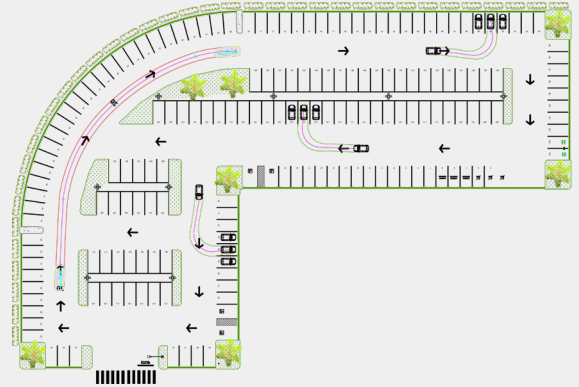
Parking layout in seconds

Take seconds, not hours, to lay out parking lots. Select your parking boundary and let the software decide, or make your own custom layout with rows from points or row from elements. Choose from a list of different possible solutions suggested by the software. Save and compare various iterations and develop the best layout option for detailed design in a snap.

Get instant feedback when designing and making edits to all types of parking layouts.

Real estate is premium

With land real estate costs at all time high, you want to maximize your space efficiently. You can leave room for landscaped areas by removing oversized drive aisles and minimizing the area of paved surfaces. Furthermore, you can also update the lot's perimeter boundaries and reduce its footprint.

Different stall sizes available throughout your design

Easily choose between default setting dimensions or set your desired dimension and size of stalls, islands, aisles, and symbols.

Use guidelines to ensure conformity to regulations in many different jurisdictions. For your convenience we incorporate design standards as the Institute of Transportation Engineers (ITE), American Institute of Architects (AIA), Urban Land Institute (ULI), and regional standards from over 20 jurisdictions from around the world.

You can create custom parking stalls, such as valet parking, police, taxi/bus stands, shopping cart pick-up/drop-off, or use any customized symbol. These custom stalls are reported separately, so there is no need for recounts.

Add accessible parking based on your region's guidelines and receive up-to-date reports ensuring regulations are met.
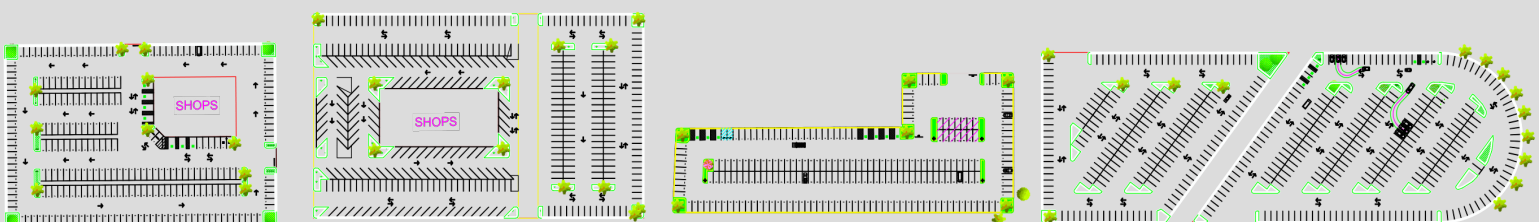
Get instant feedback to conform to regional design criteria


Editing

Use ParkCAD's powerful editing tools to reduce time spent editing parking layouts. Change your row length by dragging end points or change the angle of your parking stalls in your row with a click of the button.

Place parking around other objects such as buildings or roadways by defining the outer parking boundary and selecting one or more areas where parking is excluded. Change the location of your entrance to your parking lot and see how your layout and your numbers of stalls changes – easily edit and add extra entrances.

Keep safety and efficiency in mind

Increase the safety of your parking lot and improve the aesthetics by distributing underused aisle space with centre walkways or landscaped areas between parking rows.
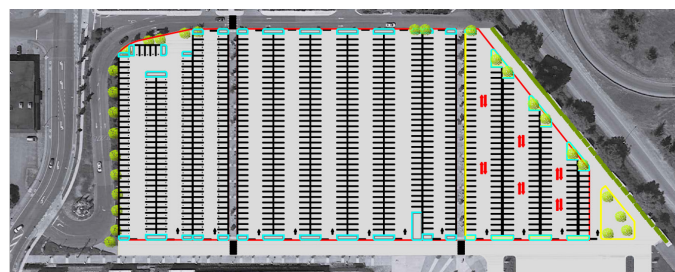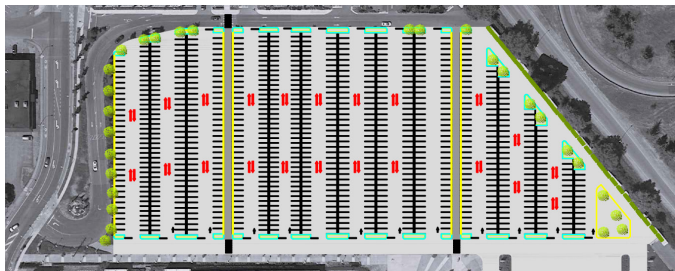
Compare designs or develop staging or phasing options with our convenient feature that can save, update, and load multiple design iterations of a parking layout in a single drawing.

Reporting

With ParkCAD's easy-to-use reporting tool, you can calculate the percentage of accessible parking stalls by selecting groups of parking rows and lots. Estimate construction costs of the designed parking arrangement by assigning unit costs to the 2D entities. All of these options are easy to use and update.

Easily visualize vehicle movement - see vehicles enter, circulate around aisles, access parking stalls, and exit the parking lot, or just use the arrows to visualize vehicle movement within the parking lot.

Planning becomes easier with real-time parking stall counts and powerful reporting abilities, including estimating costs.
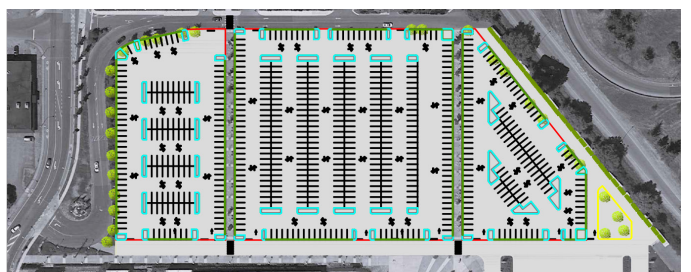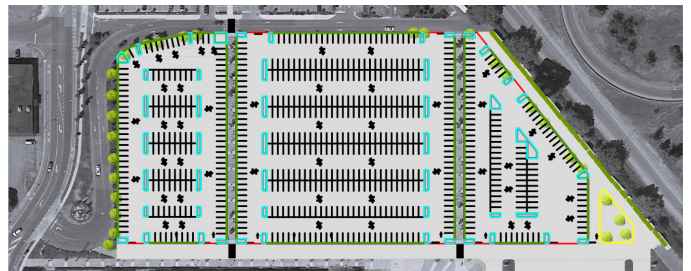
Platform & System Requirements

CAD Platform Compatibility
(64 bit, except Bentley V8i series):

This software is compatible with major CAD platforms, including Autodesk® AutoCAD®, Autodesk® Civil 3D®, Bentley® MicroStation®, Bentley® OpenRoads Designer, Bricsys® BricsCAD® Pro, ZWSOFT® ZWCAD® Pro and more.

For details on platform and system requirements, including the list of all supported versions, please visit the product compatibility section using the QR code below.

Languages Available

English, French, German

ParkCAD is a versatile design tool for parking lots of various sizes and from different jurisdictions

Scan the code to learn more