



# Carmenta Map Builder 3.6

## GENERAL

- End user desktop application for creating background maps for Carmenta Engine based systems.
- Maps created in Carmenta Map Builder can also be loaded in Carmenta Server for direct publishing as Open Geospatial Consortium (OGC) compliant map services.
- Configurable User Interface, hide the parts of the interface you don't use.
- Provides ability to define comprehensive metadata such as title, abstract, responsible organisation and revision date for each map.
- All metadata can be defined in multiple languages.
- Fully configurable vector map visualisation – colours, symbols, line styles, patterns, texts etc. can all be modified. All visualisation changes are immediately reflected in the map preview.
- Easily define legends for all vector layers by geographically “picking” the features that should be included in the legend.
- Ability to define project-specific colour palettes to ensure that a consistent colour scheme is applied across all map layers.
- Automatically defines suitable maximum scales for added layers to ensure that the created maps have high performance.
- Project validation functionality automatically detects potential problems in map project, such as missing layer descriptions.
- Provides ability to test the map with all graphics renderers supported by Carmenta Engine.
- Maps can be previewed in Carmenta Explorer from any installed Carmenta Engine version.
- Maps can be rotated to verify behaviour in moving map systems.
- Automatically notifies the user about changes to the underlying data sources and the corresponding effect on the map presentation.

## SUPPORTED MAP FORMATS

- Comma-separated values (.csv)
- DTED<sup>1</sup>

- Esri Shape (.shp)
- Esri File Geodatabase<sup>1</sup>
- GeoTIFF / ECW / USRP/ASRP / JPEG2000 (.jp2) / MrSID
- OGC WMS/WMTS
- IHO S-57<sup>1</sup>
- ARINC<sup>1</sup>
- MapInfo (.mif, .tab)
- OpenStreetMap (.osm, .o5m, .pbf)<sup>1</sup>
- Collada (.dae)<sup>1</sup>

Map layers can also be added from existing map configuration files created in Carmenta Studio.

Additional input formats supported by Carmenta's geospatial technology can easily be added on request – contact Carmenta for more information.

## SUPPORTED OUTPUT FORMATS

- Folder Output – copies geodata and Carmenta Engine configurations to a folder for easy distribution to target system.
- Windows Installer<sup>1</sup> – packages geodata and Carmenta Engine configuration into an MSI file for manual installation or automatic deployment.
- OGC Geopackage<sup>1</sup> – converts used vector and raster data to OGC Geopackage, or generates optimised, pre-rendered OGC Geopackages from the source data.
- CarmentaCatalog – packages geodata and Carmenta Engine configuration into an archive file that can be directly read by Carmenta Engine without the need of extracting the files.

## SUPPORTED CARMENTA ENGINE VERSIONS

Carmenta Map Builder 3.6 maps can be used in Carmenta Engine 5.8.2 or later.

## SYSTEM REQUIREMENTS

- 64-bit Microsoft Windows 10 .NET Framework 4.6 or later.

<sup>1</sup> Licensed Separately

## ABOUT CARMENTA

Carmenta provides software tools to empower visualization and analysis of dynamic geospatial information in time-critical applications. Our powerful technology is deployed across the world, by system providers in defense, unmanned systems, maritime, and public safety sectors.

For further information, please contact us at [info@carmenta.com](mailto:info@carmenta.com)  
[carmenta.com](http://carmenta.com)