carmenta
geospatial innovations

Carmenta Map Builder 3.1

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.
- 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.
- Map 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

- ESRI Shape (.shp)
- GeoTIFF
- JPEG2000 (.jp2)
- ECW
- MrSID
- Comma-separated values (.csv)
- DTED [1]
- IHO S-57 [1]
- OpenStreetMap (.osm, .o5m, .pbf) [1]

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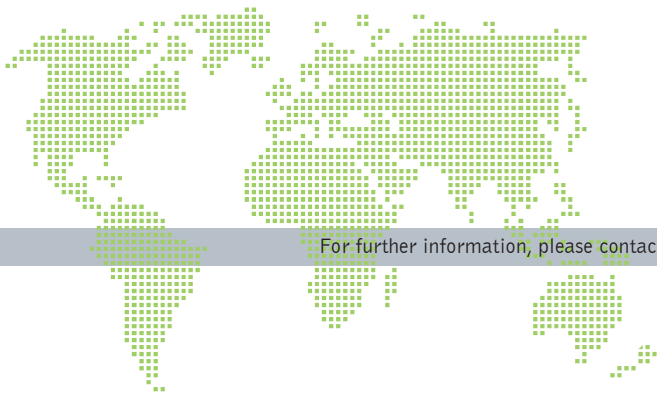
SUPPORTED OUTPUT FORMATS

- Folder Output – copies geodata and Carmenta Engine configurations to a folder for easy distribution to target system.
- Windows Installer [1] – packages geodata and Carmenta Engine configuration into an MSI file for manual installation or automatic deployment.
- Map Package [1] – generates optimised, pre-rendered Carmenta Engine Map Packages from the source data.

SYSTEM REQUIREMENTS

Microsoft Windows 7 and 10 .NET Framework 4.0 or later.
A 64-bit operating system is required for OpenStreetMap support.

[1] Licensed separately

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