

# Business Property Loader

## INTRODUCTION

An application (**text2xfm.mvba**) for loading a business property from a text string. The text (or text node) will become an XFM feature and the property is loaded with the text string. If the property already exists, it is updated. The result can be exported to a point SHP file including the text property.

Install the VBA in a folder pointed by the variable MS\_VBASEARCHDIRECTORIES, e.g. ..\Configuration\Organization\Macros\.

Install the DgnLib file interface BentleyMapTools.dgnlib in a folder pointed by the variable in MS\_GUIDGNLIBLIST, e.g., C:\ProgramData\Bentley\Map CONNECT Edition\MapAdvanced\Configuration\Organization\dgnlib\GUI\.

The dialog offers:

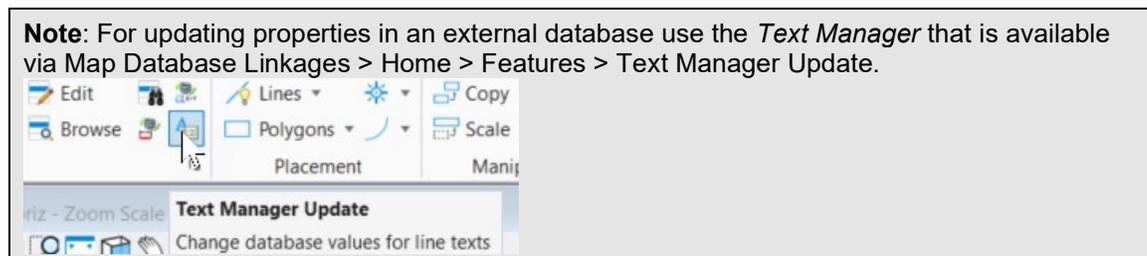
- A list with available features that is deferred from the XFM schema and optional from the available levels.
- A list with existing properties from the selected feature. If needed, a **new** property name can be entered manually for both the text property and the rotation property.
- Optionally the rotation of the text string is stored in a property.
- With the *Process* button a selection set, fence or the whole DGN file is scanned for the selected input feature or level.

The screenshot shows a dialog box titled "Text > Business Property Loader". It contains two main sections. The first section, "Input Feature/Level", has a "Text Feature:" dropdown menu set to "DimensionText", an "Include Levelnames" checkbox that is unchecked, and a "Select Feature" button. The second section, "Load Property", has a "Text Property:" dropdown menu set to "Dim\_String" with a checked checkbox, a "Rotation Prop:" dropdown menu set to "Dim\_String" with an unchecked checkbox, a "Degrees" checkbox that is unchecked, and a "Process" button.

**Note:** An XFM schema is not needed. e.g., in the case a session feature (a level name) is selected, and the property names are entered manually.

## ➤ CONVERT TEXT TO BUSINESS PROPERTIES

- Start OpenCities Map (e.g., with the *geo\_example* workspace).
- Open a DGN file.
- Start the tool.
  - Open the VBA Manager (Drawing > Utilities > Macros > VBA Manager).
  - Load and start the VBA **text2xfm.mvba**.
- The dialog *Text > Business Properties Loader* is opened and the comboboxes are filled automatically.
- Select a text feature from the combobox or fill in a feature name manually.
- Optionally: Select the button *Select Feature* and select a text feature element in the DGN file. This is helpful in cases where you may have 100s of feature classes and scrolling through a large list of available "Text Feature" entries would be tedious.
- Optionally: Enable the option *Include Levelnames*. The list with Text Features is extended with features that are inferred from levels.
- Select a property for storing the text or fill in the property name manually.
- Optionally: Select a property for storing the rotation of the text or fill in the property name manually.
- Optionally: Enable the option *Degrees* for storing the angle in degrees, default is radials.
- Start the process with the *Process* button.  
If a selection set or fence is available, this will be processed. Otherwise, the complete DGN file is processed.



**Note:** In the case the property names are entered manually (and not selected from the picklist) for a successful export to SHP file, the DGN file must be closed and opened again.

## BATCH

This tool can be run without an interface. The macro is started with the feature and property names as argument, with the syntax:

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Vba Run ModMain.run <Name Text feature> , <Name Text property>, < Name Rotation property> ,  
<Angle in degrees> e.g. with the feature *Streetname* and properties *Name* and *Angle*:  
Vba Run ModMain.run Streetname, Name, Angle, 1