

Creating Text from Line Element in MarushkaDesign



GEOVAP

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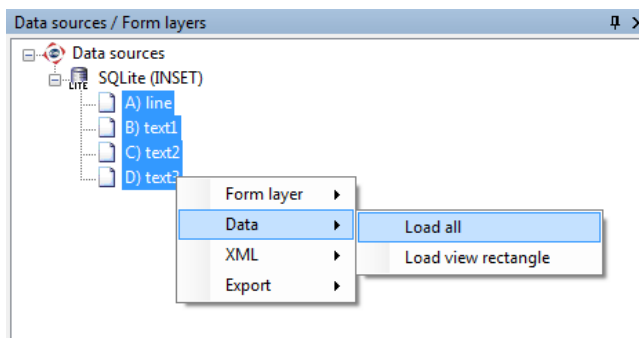
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1 Aim of the Example

In this example, we will demonstrate how to create a text from line element in MarushkaDesign. This example was created in version 4.0.1.0, so it does not have to be compatible with older versions.

2 Working with Example

- Unzip the **LineStringToText_EN.zip** into **c:\MarushkaExamples** folder. The target folder must be respected due to interconnection of paths with the project. In the case of placing the files in the different folder, it would not be possible to work with an example.
- Open the project **LineStringToText_EN.xml** in MarushkaDesign environment.
- Select all the form layers, in the context menu choose Data – Load all:



- In map window choose "Fit all":



- Launch the local web server:



3 Dialog Box Sample

Fig 1: Three types of texts in the local web server

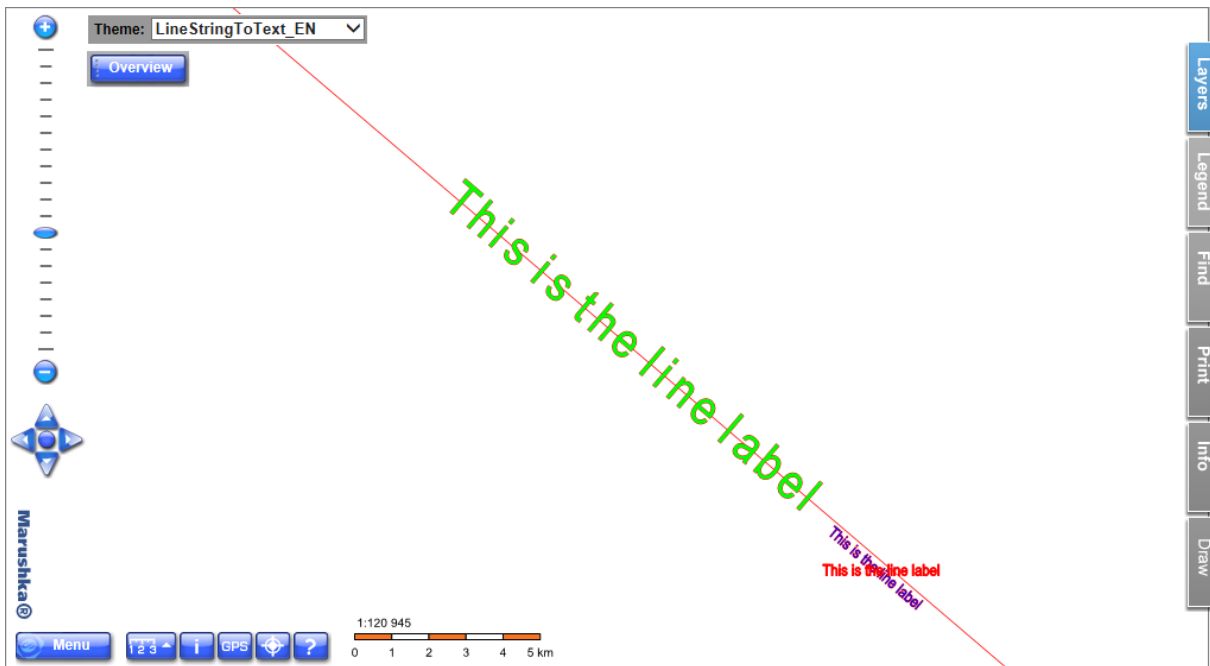


Fig 2: Three types of texts – shift of the green label 1

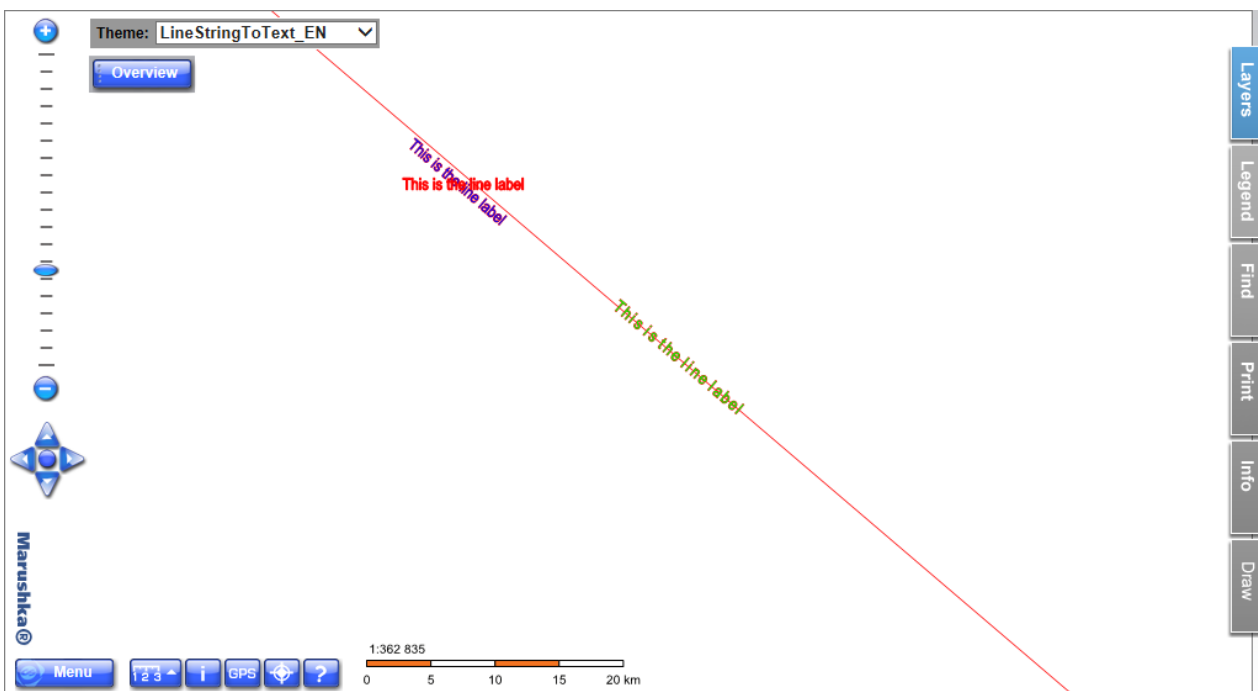
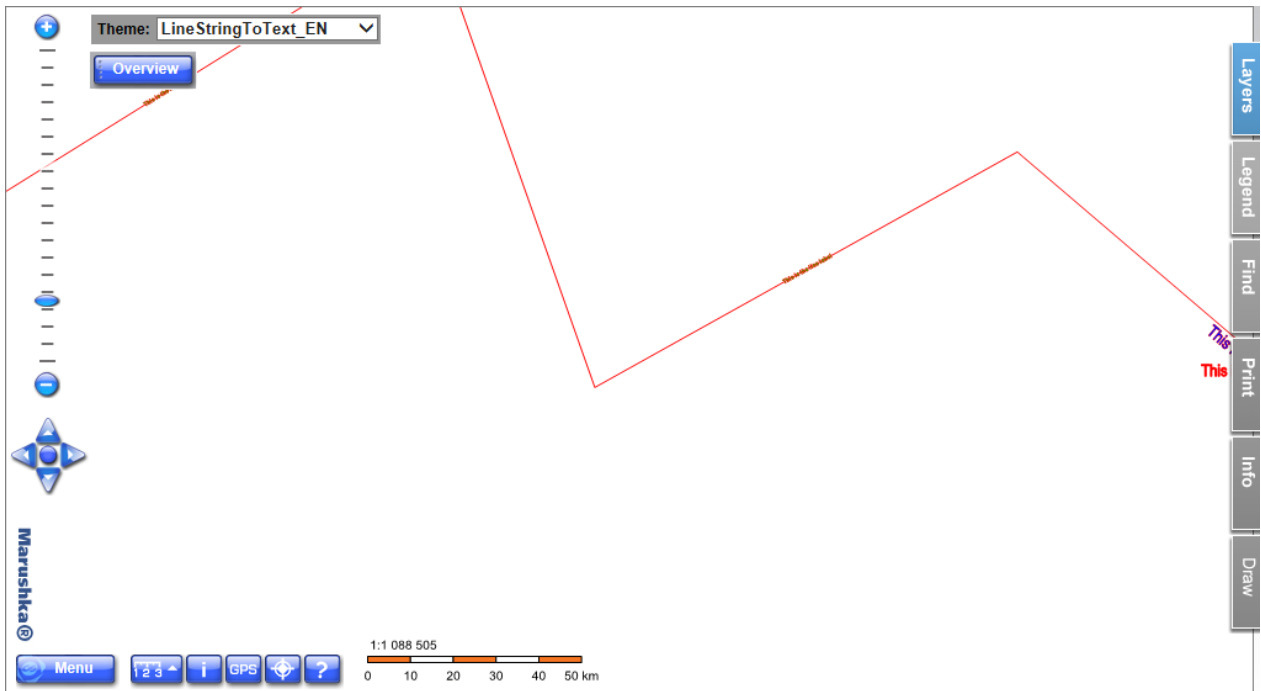


Fig 3: Three types of texts – shift of the green label 2



4 A Brief Description of the Example in MarushkaDesign

This test example contains a database in SQLite with four publish layers. In the data source are four form layers related to physical layer (database table). Data bearer is the physical layer (database table) "GS_TABLE".

- A) Form layer *line* displays only the line.

- B) Form layer *text1* displays text with green fill, the height of which is fixed and which is trying to bend along the line. This text is set in *DBCOLUMNSToClient* using pseudo column `SET_PARS_TEXT`. The text in the local web server environment moves when moving along the line. It has set a fixed size in the target data store (in this case exactly 1 km). The text size changes with the change of scale.

- C) Form layer *text2* displays text with a red fill color, which is created from the line, locates the middle point of the best suitable segment and sets the rotation angle to 0°. In *DBCOLUMNSToClient* are used these pseudo columns: `SET_PARS_POINT_FROM_CORG`, `SET_PARS_ROTANGLE`, `SET_PARS_TEXT` and `SET_PARS_RGBFCOLOR`. This text is set to a fixed height of 10 pixels, which does not change when scale changes and has in each scale exactly 10 pixels.

- D) Form layer *text3* displays text with the purple color fill, which is created from the line, locates the middle point of the best suitable segment and preserves the original text rotation angle. In *DBCOLUMNSToClient* at this layer are used the same pseudo columns as in the previous layer: `SET_PARS_POINT_FROM_CORG`, `SET_PARS_ROTANGLE`, `SET_PARS_TEXT` and `SET_PARS_RGBFCOLOR`. There are used the same parameters as in the layer *text2*, with the difference that there is preserved the original text rotation angle.