

**CoalGas**

**User Guide**

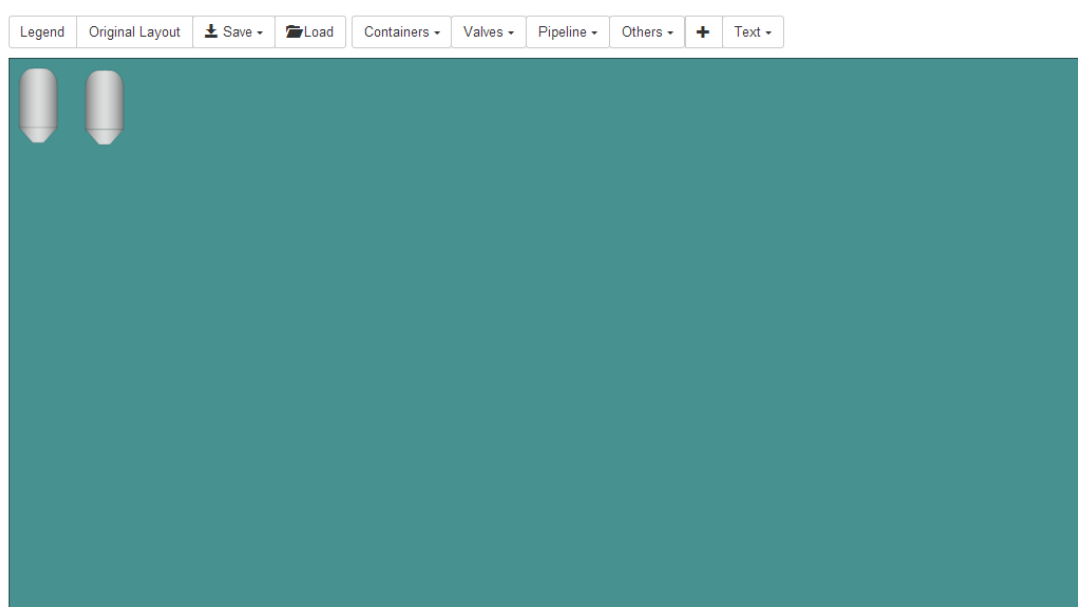
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### Coal Gas Production System Layout



## Introduction

CoalGas is intended to be used as a visualization tool to monitor the reaction progress of a coalification system. Users' own system layout can be built up by a series of interactive actions. This document provides information on how to use CoalGas.

Feel free to contact us if you have any suggestions, questions or issues by sending an email.

## Usage

### See legend

By clicking the “Legend” button, you can see the legend of devices in CoalGas.

### See original layout

The original layout picture will be showed by clicking “Original Layout” button.

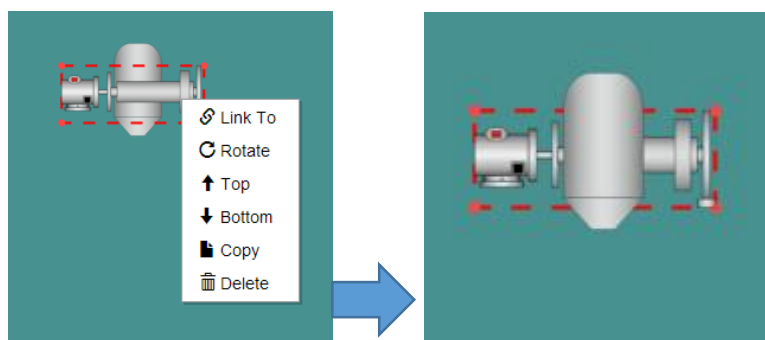
### Add a device

By selecting the type in the menu of containers, valves, pipeline and others and clicking “+” button, you can create a device on the top left corner of the canvas. You can move the device’s position by dragging it and scale it by dragging the four points on its corners. A right click on the device will show you some advanced options like rotate and delete.

### Add a text

By selecting the “Text” button and clicking “+” button, you can create a text field on the top left corner of the canvas. To edit the text, simply double click on the text field, update the entry and select its font color. You can move the text’s position by dragging it and scale it by dragging the four points on its corners. A right click on the text will show you some advanced options like rotate and delete.

### Top and bottom layer



By selecting an object and right clicking on it, you can select the “Top” or “Bottom” option to place the object onto corresponding layer. Objects on top layer will overlap every object on bottom layer.

## Rotate an object

By selecting an object and right clicking on it, you can select the “Rotate” option to rotate the object by 90 degrees.

## Delete an object

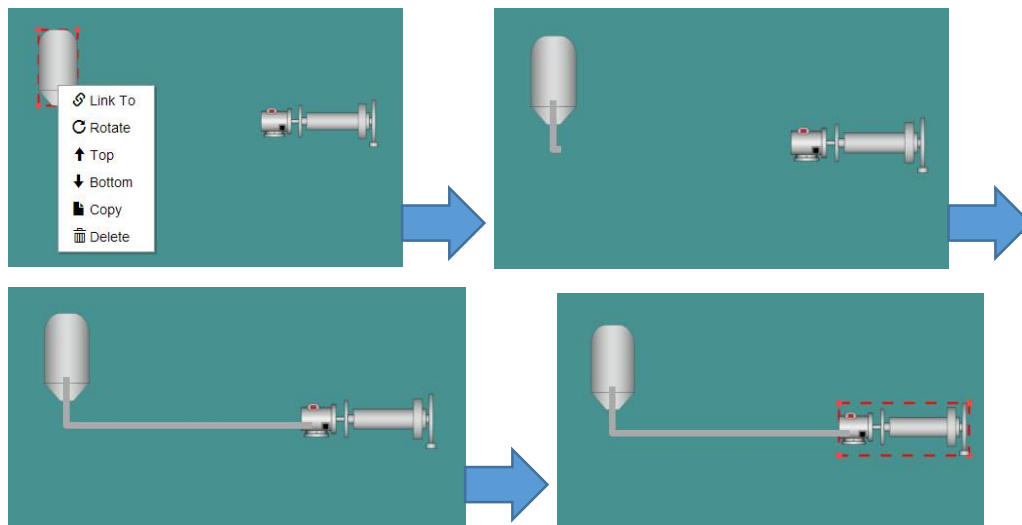
By selecting an object and right clicking on it, you can select the “Delete” option to remove the object. **Note: You can’t undo this action.**

## Copy an object

By selecting an object and right clicking on it, you can select the “Copy” option to create a same object near the old one.

## Add a link

If there is a pipe between two devices, you can create a link between them in a few steps below.



First, select the origin(blank area, an object or a link), right click on it. Then, select “Link to” option to create a link. Each click after dragging the link will create a straight line. Finally, drag the link to the destination and end the link by single clicking on an object or double clicking on a blank area. You can right click the link and select “bottom” to make the unwanted parts invisible.

## Zooming

Click “Zooming” button and tap on an area to zoom in on that area for more detail. Click “Zooming” again to zoom back.

## Save a layout

If you have built up the layout or want to pause your work, click “Save” button to save your work. You can either save the layout as a SVG file or a Layout file. The latter keeps more information but is supported only by CoalGas.

## Load a layout

If there exists a Layout file already, you can draw the layout by clicking the “Load” button and selecting the file.