

Cellvage™

Version 1.1



Feature Summary

Product Description

Cellvage is an MDL productivity tool that is designed to replace a group of primitive elements in a design file with a cell. This is particularly useful when a number of cells within a design file have been "dropped" - possibly by mistake. Cellvage can be regarded as a MicroStation "Cell Undrop" command. Cellvage shows found cells by zooming in and highlighting and/or selecting the matching components.

Supported Platforms

Cellvage is certified for MicroStation SE, 95 and J, and PowerDraft, on all popular operating systems: Intel Windows, DOS and various versions of Unix (Solaris, Silicon Graphics, Clix, HPUX).

The Icons



Open the Parameters dialog box



Cancel the current scan



Find the next cell that matches the search criteria



Find (but do not replace) all matching cells and report the number found



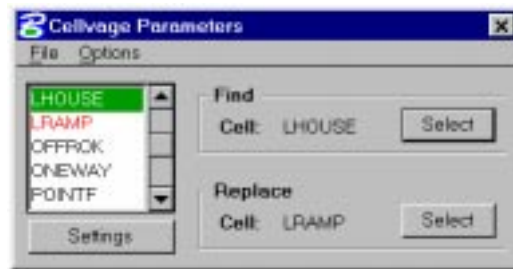
Replace the current cell components with the selected "Replace" cell



Find all matching cells and replace them with the selected "Replace" cell

Cellvage Step by Step

- Attach a cell library.



- In the Parameters dialog box, select a cell that resembles the individual components before they were "dropped" – the "find" cell. If it does not already exist in the cell library, create one using the standard MicroStation commands.
- Select a replacement cell. It is possible that the two cells are the same, in which case it is necessary to select one cell only.
- Cellvage scans the design file, looking for a sequence of elements that resemble the find cell.
- For every group of elements matched with the find cell, the dropped components are deleted and replaced with the replacement cell.

From Text Symbols to Cells

Sometimes text symbols are used in design files to represent features, such as a "W" for a water point or an "L" for a lighthouse. Cellvage can be used to replace these with cells very quickly and efficiently simply by creating a cell with components resembling the text symbol. Use this as the "find" cell and choose another cell as its replacement.

The Search Criteria

The only compulsory matching method Cellvage uses is element type. In order for Cellvage to find a matching dropped cell, it must find the components of that cell (Line, Ellipse, Arc, etc) in the correct order in the design file. Additional search criteria can be defined based on cell symbology, such as line weight, colour, style and level. These can be specified per component so that each cell component can have unique symbology settings. In addition, characteristics specific to the element type can also be added to the search criteria. The replacement cell inherits its rotation angle and scale from the elements that are being replaced.

Saving the Settings

Because Cellvage allows so many options and settings for each individual cell, we have provided the ability to save settings in parameter files that can be recalled at any time. One parameter file is created for each selected cell in the library. The default name of the parameter file is derived from the cell name. Cellvage has the ability to automatically load and save parameter files for each cell, making the restoration of previous settings transparent to the user.



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