



*Technical Information Management System*

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**TIMS3 RefUtil**  
**User Guide**

**Version 1.0**

Giffels Associates Limited

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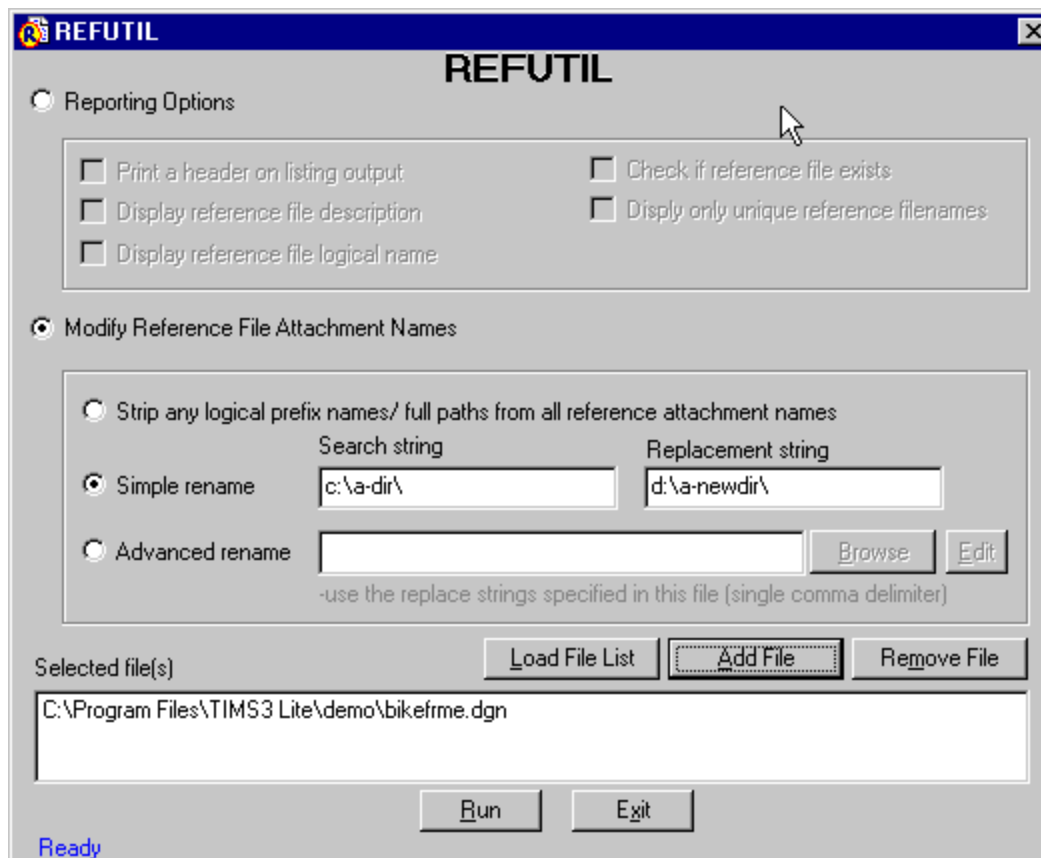
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# TIMS3 RefUtil

TIMS3 comes with a MicroStation Reference File Name Editing utility called REFUTILW.EXE for the Windows NT/95/98/2000 platforms. RefUtil can scan **MicroStation** design file(s) for reference file elements, and optionally modify the reference file attachment names. This little utility does this without the need for running MicroStation and does it at a lightening fast speed. This utility also comes in a command line version so commands can be 'batched' and run via scheduler or run with wildcards to scan and correct a whole disk full of files at a time.

This utility is provided FREE as part of TIMS3 FULL and LITE evaluation downloads. It's our way of saying thanks for having a look at our TIMS3 product. The following picture will give you an idea of its capability while the instructions that follow show you how to use the utility. These same instructions are packaged in the TIMS3 evaluation software.



## Getting Started

Now that you've loaded TIMS3 Reference Utility, here is a step-by-step instructional guide to help you get up and running fast.

### WARNING

**Use of this utility is completely at your own risk! Giffels Associates Limited will not be held responsible for the use or misuse of this utility. By using this software you accept this risk.**

**This utility modifies the DGN file directly. You may want to operate on a copy of the original file until you're comfortable with the utility.**

## View a Report

1).	Open the TIMS3 Project Navigator using either the desktop Icon or through the Start button (bottom left). Under the start button go to Programs -> TIMS3 Lite (or TIMS Client Access) and select Project Navigator.
2).	Once Project Navigator opens click on the 'All Projects' in the left-hand pane (next to the little books icon). This will open the list of 'projects' in your TIMS3 database. You should see a DEMO project.
3).	Click the '+' plus sign next to the DEMO project in the left-hand pane. This will open the list of Document Types and Document Sets under this project.
4).	Click the GRAPHIC icon under the DEMO project in the left-hand pane. This will open the list of documents in the DEMO project. The documents are shown in the right-hand pane.
5).	Right-click on the document icon to see the menu, click on TOOLS --> Reference Utility
6).	Click on 'Print a header on listing output
7).	Click 'Run' button to view the report

## Select Files

Here are a few ways to select files:

Selection Method	Description
Manual	Click 'Add Files' button. Select the file you want and click open button.
Batch	Click 'Load File List' button. Select the file that contains the list of file names and click open button.
Command-line	Specify file names as command line arguments. For example, refutilw.exe abc.dgn abcd.dgn
Drag and Drop	Open windows explorer and select the files you want. Drag the selected file over to selected file(s) list in the REFUTIL and then release the mouse button to drop the file. (To drag files, click left mouse button on the selected items and move the mouse while holding the mouse button. Release the mouse button to drop the dragging files)

## Reporting Options

To run a report on selected file(s), check at least one of the options and click the RUN button.

There are five options available.

Option	Description
1	Print a header on listing output
2	Display reference file description
3	Display reference file logical name
4	Check if reference file exists
5	Display only unique reference filenames

## Modify Reference File Attachment Names

This option is used to modify reference attachment names. Ensure main files are backed up before continuing. There are three options available.

Option	Description
1	<i>Strip</i> any logical prefix names/full paths from all reference attachment names
2	<i>Simple rename</i> . Specify the search string and the replacement string
3	<i>Advanced rename</i> . Specify the full file name path of the file that contains a number of search and replacement strings (e.g. c:/temp/changes.lst). This changes.lst file would contain a number of REFUTIL replacement strings one per line, each line containing first the <i>from</i> then the <i>to</i> text string. The <i>from</i> and the <i>to</i> strings must be separated by a comma. See sample command list below:  C:\,D:\ /usr/proj5/projecta/,PROJECTA: 123/PROJECTSIX:,168/NEWPROJECTSIX:

## Command Line Usage

The same program is also available for command line use. The command line version of the program is refutil.exe. The following are some sample command lines:

Command	Action
refutil	To list the basic help noted below.
refutil -h *.dgn	To list all your reference file names of all your dgn files.
refutil -hlf *.dgn	To list all your reference file names with logical name and check if they all exist.
refutil -i c: -o d: *.dgn	To change all references from the C: to D: drive letter portion of the full path name.
refutil -R chgs.lst *.dgn	To make multiple changes to all files, chgs.lst must contain -i fromstring -o tostring one per line in the chgs.lst file.
refutil -R chgs.lst *.dgn -F files.lst	Same as previous but with a file.lst file containing a list of all file names to be processed.
dir /s /b c:\*.dgn >files.lst	Creating a list of all files on your disk is easy using this simple NT dir command. You could make
refutil -?	Produces the command line help listed below

## MicroStation Reference File Utility Program

Usage: refutil [-?dfhls] [{"-i [^]inref[\$]" -o outref ] | -R inFnChgs] [-e fn] [Fn | -F inFnList]

- [-d] Display reference file description
- [-f] Check if reference file exists
- [-h] Print a header on listing output
- [-l] Display reference file logical name
- [-F] Operate on files listed in a specified file

-i, -o or -R to change reference filenames

-s to strip cfg var prefixes, or full paths from all ref names