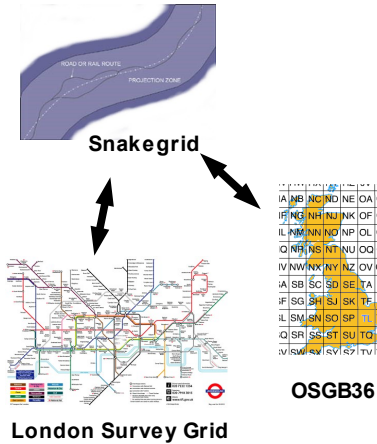


SnakeGrid¹

Developed by dhp11 in association with University College London, this MicroStation² add-on converts design files "on the fly" between different SnakeGrids, London Survey Grid and British National Grid.

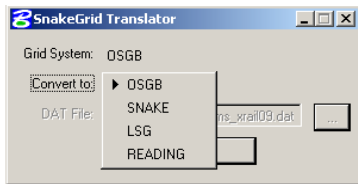


Files are converted from one grid to another in a few seconds with a single button press.

No information is lost when files are converted. All symbology and user attributes (e.g. database linkages) are retained.

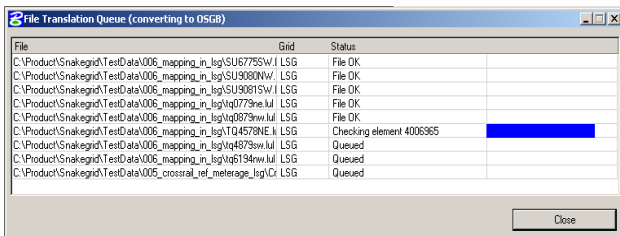
The MicroStation elements are converted according to a set of user-definable rules.

- Every point on lines and shapes are converted.
- Text and cells are moved by their 'key point', preserving orientation.
- Arcs, ellipses, and curves can be 'stroked' to individual line segments of arbitrary length or the key dimensions (e.g. centre and radius for a circle) can be retained.



CONVERSION OF MULTIPLE FILES

Converting multiple files from different grid systems to a common grid is as simple as attaching all the files to the active design as references. These are then processed in a queue to the chosen grid system.



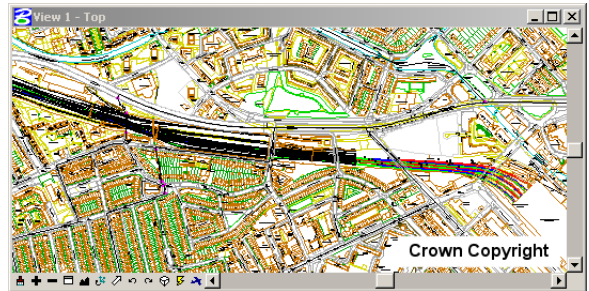
The files are validated first to check if they are readonly, or if they contain locked elements, and to see if they can be moved to the new grid.

1 "SnakeGrid" is a trade mark of UCL Business PLC
2 "MicroStation" is a trade mark of Bentley Systems Inc.

ORDNANCE SURVEY BACKGROUND

Vector and raster background data can be displayed in any grid. Vector maps are dynamically converted to the correct grid as per the user-definable conversion rules.

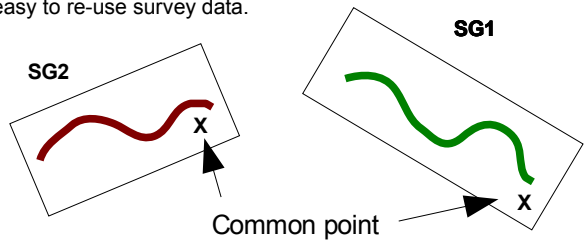
Raster maps are transformed with a multi-point warping algorithm.



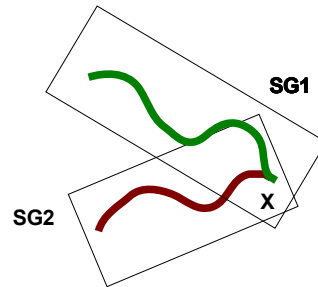
Ordnance Survey data transformed into the SnakeGrid coordinate system in which a track layout has been designed

OVERLAPPING SNAKEGRIDS

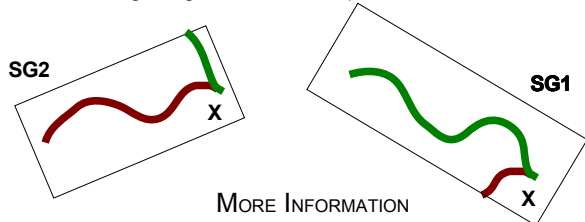
Data can be combined from overlapping SnakeGrids making it easy to re-use survey data.



Although the two grids have been designed for different routes they share some overlap area.



The SnakeGrid add-on converts design files from one system into the other using the given SnakeGrid parameter files.



MORE INFORMATION

For more SnakeGrid information visit <http://www.snakegrid.org/> or email: enquiries@snakegrid.org

For more information on the dhp11 SnakeGrid add-on for MicroStation email derek.hunter@dhp11.com or telephone 01142 899393.