The future of ADAM 3DD

ADAM Technology is committed to developing new features for the 3DD Software package. Minor upgrade releases of 3DD are provided automatically to customers with an ADAMcare Software Support contract. Contact ADAM for details of the comprehensive ADAMcare Support packages available. Future 3DD updates will include the following:

- Adobe PostScript support, allowing the seamless integration of raster images generated by ADAM Technology's Ortho System with symbolised vector data from 3DD.
- Import function for exterior orientations from non-ADAM systems such as Helava.
- New features as requested by our many 3DD 3.0 users.

How to order 3DD 3.0

Site licensing

ADAM Technology is offering a new site licensing option for 3DD 3.0 customers. 3DD 3.0 will be delivered with one set of manuals and one set software distribution media (CD-ROM or floppy disks) per customer site. You will also receive one hardware lock and one quick reference card per license purchased. Future software upgrades will also be delivered with one set of media per customer site. Additional manuals can be purchased if required.

Existing users of 3DD 2.2

3DD 2.2 users can purchase the new version of 3DD at a reduced price provided you return your 3DD 2.2 hardware lock (dongle). 3DD 2.2 users with current ADAMcare Software Support contracts are eligible for a further discount. You will get a new and different hardware lock with 3DD 3.0. To allow you a smooth transition to 3DD 3.0 you will have 30 days in which to return your old hardware lock.

Distribution media

When ordering please state whether you want ADAM 3DD 3.0 delivered on: CD-ROM, or Floppy disks (7)

For further details contact:

ADAM TECHNOLOGY

HEAD OFFICE
ADAM Technology
Suite 3, 41 Belmont Avenue
Belmont, Western Australia 6104
Post: P.O. Box 283, Cloverdale, Western Australia 6985
Ph: + 61 8 9479 5575
Fax: + 61 8 9479 5585
Email: adam@adamtech.com.au
Web: www.adamtech.com.au

JAPAN
KAWASO Electric Industrial Co.
7-10 1-Chome
Nishi-honmachi Nishiku,
Osaka 550 JAPAN
Ph: + 81 6 535 1072
Fax: + 81 6 541 2364

Quality System Quality Endorsed Company

ISO 9002 : 1994
AS/NZS 9002 : 1994
LIC : QEC 2118
STANDARDS AUSTRALIA

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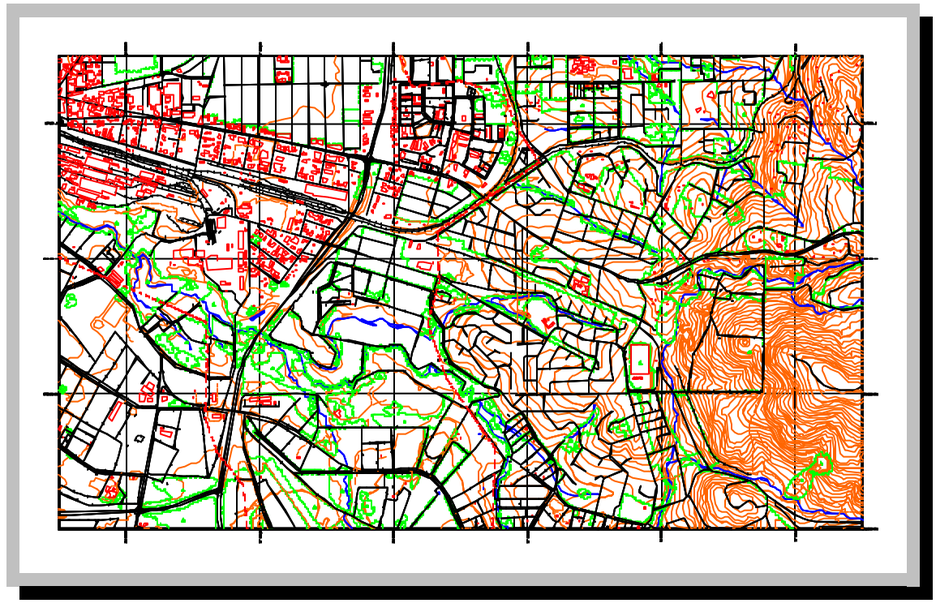
ADAM Technology **MAPPING SOFTWARE**

3DD 3.0

For DOS, Windows 3.1, 95, 98, NT



Key features include:

- **Improved digitising and editing functions**
- **Automatic Contour and Volume computation (ITN)**
- **Automatic data clean-up for GIS (Polygons)**
- **Integrated Orientation and Job Setup for ADAM Stereoplotters**
- **Improved DXF file transfer now standard**

New Display functions

Dynamic Pan & Background Display Refresh

As soon as the cursor moves outside a user-defined box, the screen is centred on the new position of the cursor and the display is redrawn without interfering with your current activity. This allows for **continuous digitising** whilst the dynamic pan is in progress.

Displaying all map files

This option allows you to display all map files from the current job directory as “overlays” when enabled.

Pause in refresh mode

The spacebar now acts as a toggle to view only snapped and/or marked features when refreshing the map display.

New display options

3DD 3.0 offers new optional display functions during digitising and editing:

- the direction features have been digitised in can be indicated by arrows on the end of lines
- the vertices of line features that are stored in the data file
- spot height values

New Editing functions

Move part of a line

This new function allows you to move a section of a line by dragging on a point. The movement is spread over a user-specified length of the line either side of the moved point, preserving the basic shape of the adjusted section. This is particularly useful for moving crossed contours quickly and easily.

Contour and Volumes (ITN)

Irregular Triangular Network

ADAM 3DD now incorporates the 3DD ITN module. The major features of 3DD ITN are:

- automatic contour generation from random spot height and line data
- volume calculation from triangular networks
- MAP file “draping” over triangular networks, updating the heights of all 3D features to the height given in the triangular network

3DD ITN is extremely flexible in handling 3D features for contour generation. Line features can be chosen as surface lines, break lines, chains of points, edges, or holes. Point features can be considered as surface points or point smoothing singularities (e.g. the apex of a stockpile shaped like a cone).

Clean-up of data for GIS

Polygons

ADAM 3DD software also includes the 3DD Polygons module. These functions are particularly useful for the preparation of data for GIS systems. The major functions of 3DD Polygons are:

- automatic line clipping and joining functions
- automatically joins T-junctions and optionally adds nodes in intersections
- constructs closed Polygons from simple line data

The Polygon centroids, areas and perimeters are automatically calculated and can be used to annotate the polygons. Configurable reports can then be produced using 3DD Polygons for you or at your client’s request. Options include:

- polygon names and their areas
- polygon perimeter lengths
- polygon centroids
- polygon side lengths and side bearings

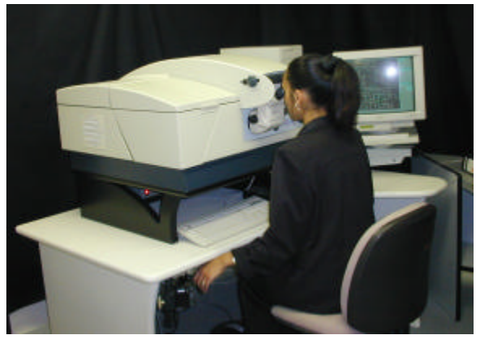
New Digitising functions

Mouse active during digitising

In 3DD 3.0 the mouse and stereoplotter are active at the same time. You can use all of the mouse editing functions whilst in digitising mode.

Drive stereoplotter to mouse position

You can use the mouse to snap to a feature, for example an open contour from the previous model, and drive the stereoplotter to the position snapped with the mouse.



Move Z on snap

When enabled, it moves the Z value of the stereoplotter or mouse to the height of the currently snapped feature, regardless of whether the height of the stereoplotter or mouse is outside the snap tolerance range. This function is extremely useful for editing features which differ in height.

Datum Adjustment

3DD 3.0 supports Datum checking and correction for all ADAM analytical stereoplotters and conversions, Wild BC1/2 stereoplotters, and analogue stereoplotters interfaced with the Mimaka Stereodigitiser Unit.

Improved DXF Transfer

3DD 3.0 now supports the AutoCAD Version 12 and onwards DXFout file format. Basic DXFin capability is now included. Spot height annotation and alignment has been enhanced to improve the presentation of the data.

Migration from 3DD 2.2 and ADAM System Software 3.0

Data files

You can use all your ADAM 3.0 and 3DD 2.2 data either directly or by conversion to 3DD 3.0, thus ensuring quick and easy conversion to 3DD 3.0. ADAM 3.0 job and model data files, camera and lens libraries can be used directly by 3DD 3.0. 3DD 2.2 style files (FDF, PST etc.) can also be used without conversions. Menu driven conversion utilities convert 3DD 2.2 digitised data and symbols into 3DD 3.0 format.

Computers

If you run 3DD 2.2 already, then your PC will most likely be able to run 3DD 3.0. The minimum requirement is 1 MB of memory, although the ITN functions may need more, depending on the complexity of your data. Please ask for a detailed recommendation if you intend to buy a new PC.

Symbolisation

Number of symbols and movements

3DD 3.0 can now use more symbols and templates of increased complexity as shown by the table below:

	3DD 3.0	3DD 2.2
Number of symbols per library	**200**	50
Number of templates per library	**200**	50
Number of movements per symbol or template	**15**	10

Envelope movements

Enables symbolisation between two features, i.e. embankments.

Operator training

An experienced 3DD user should have no problem becoming proficient in the use of 3DD 3.0. The user interface has been largely maintained. A comprehensive 290-page user’s manual is provided with 3DD 3.0, together with a 197-page reference manual. Training sessions can be tailored to your requirements.