

MES

INFRA APPLICATIONS



MES-Survey

Key Features in MES-Survey

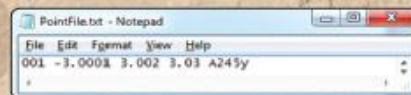
1. Import Point Data from ASCII File or CAD Drawing

1.1 Import points from ASCII (text) file with delimiter either of tab, space or comma.

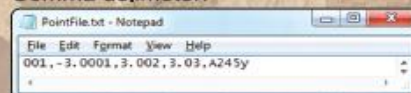
Tab delimiter:



Space delimiter:

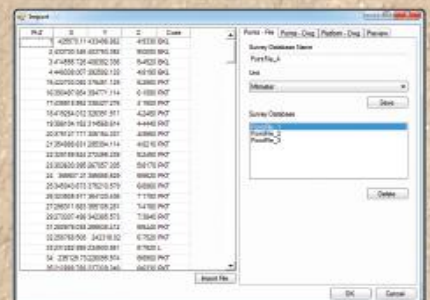


Comma delimiter:

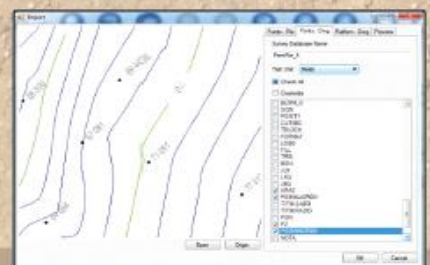


1.2 ASCII (text) file can either be in unit millimeter, meter, inch, feet or kilometer with any of the following formats:

- 1.2.1) Pt# X Y Z Code
- 1.2.2) Pt# X Y Z
- 1.2.3) X Y Z Code
- 1.2.4) X Y Z

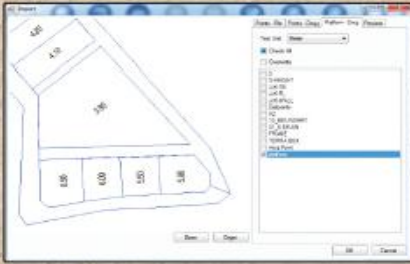


1.3 Import points from CAD drawing where the elevations in drawing are represented by numeric or alphanumeric texts, contours or points.



2.Import Platforms & Proposed Levels from CAD Drawing

Import the shape & proposed level of platforms from CAD drawing.



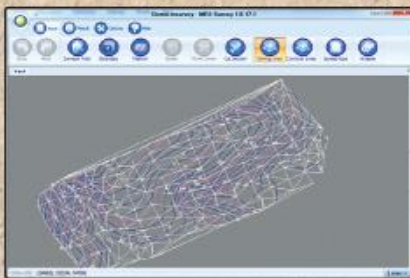
3.Point Labeling

- 3.1 Point data imported from ASCII (text) file into a drawing is represented by a point with labeling of point number, elevation & height.
- 3.2 Separate layer for point, point number, elevation & height.
- 3.3 All points are listed in spread input (table form) with editable, deletable & sortable feature.



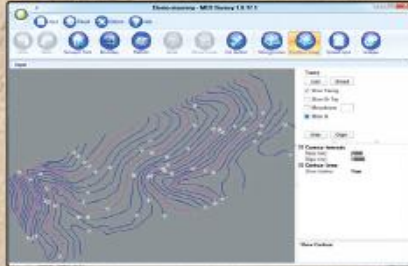
4.Digital Terrain Modelling Creates Triangular Irregular Network

High accuracy of earthworks volumes computation from Digital Terrain Model (DTM).



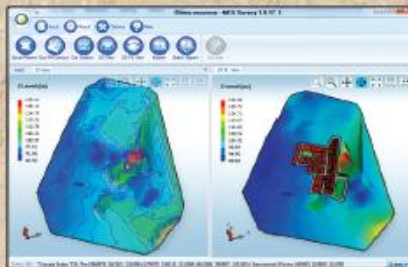
5.Creates Contours at User Defined Intervals

- 5.1 Creates major & minor 3D contour polylines at user defined intervals.
- 5.2 Separate layer for major contours, minor contours & contours height.



6. Viewing Surfaces in 3D

- 6.1 View existing land profile in 3D View & proposed land profile in 3D PL View.
- 6.2 The height of view can be amplified or reduced.



7.Generates Cut Section Profiles

- 7.1 Generates cut section profiles from a Digital Terrain Model
- 7.2 Cross sectional areas of cut & fill are calculated for each section profiles.

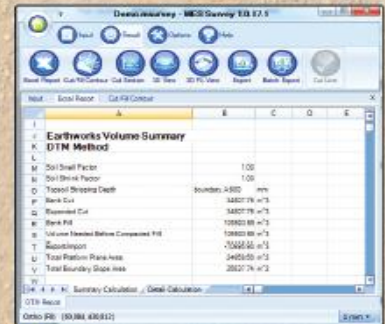


10.Generates & Compute Typical Slopes Volumes

- 10.1 Typical cut & fill slopes can be generate automatically on plan.
- 10.2 Volumes from typical cut & fill slopes are included in earthworks automatically.

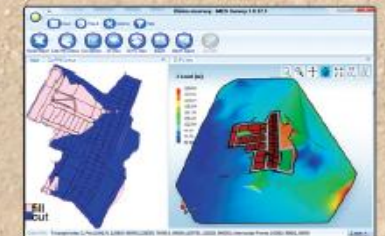
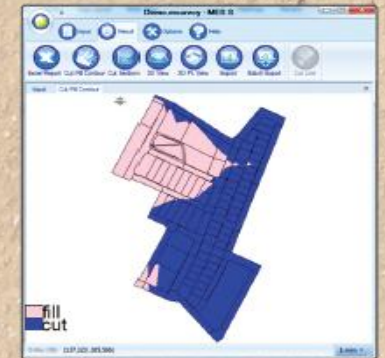
8.Calculates Earthworks Volumes

- 8.1 Calculates earthworks volumes based on Digital Terrain Model.
- 8.2 Include detail & summary earthworks volumes reports.
- 8.3 Ground floor concrete slab & subgrade volume can be isolated from earthworks volumes.
- 8.4 Topsoil volume can be calculated separately from earthworks.



9.Generates Cut & Fill Contour

Cut & Fill areas are indicated on plan view.



Please visit our website: www.mes100.com for more info.



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