

CYMGRD - Substation Grounding

Optimize the design of new grids and reinforce existing grids

The CYMGRD / AutoCAD® Interface module

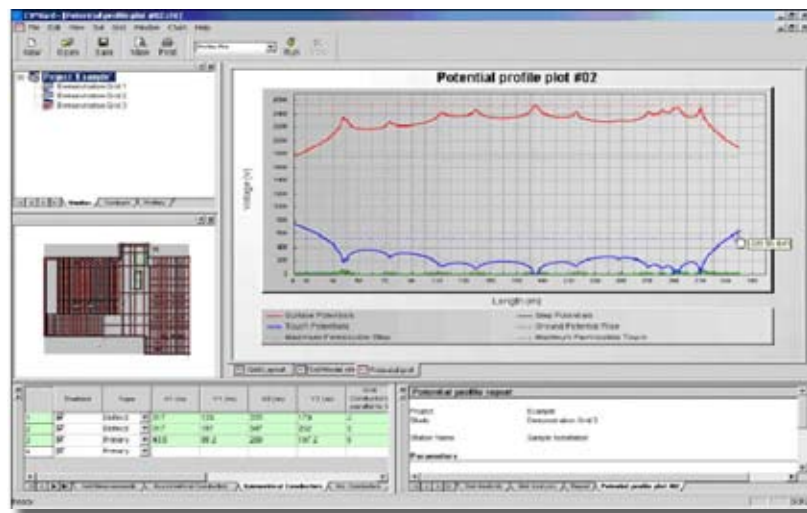
CADGRD is a utility program accessible through the CYMGRD menu structure, that allows the user to alternate between the AutoCAD® and CYMGRD environments.

CADGRD is not a substitute for AutoCAD®. In fact, AutoCAD® remains a firm software requirement for CADGRD, because it is AutoCAD® that will produce the necessary *.DXF and / or *.DWG file that contain the pictorial description of the substation grid layout.

CYMVIEW, Simulation Results Management

CYMVIEW is common to all simulation modules that generate any kind of charts. CYMVIEW is capable of managing the outputs of different modules including CYMGRD.

- Graphical comparison of deduced soil model with field measurements, for model acceptance.
- Color-coding of the surface potential gradients based on user-defined thresholds for touch or surface potentials. Any area of the grid can be selected with the mouse for detailed calculations and danger point evaluation.
- Equipotential contours for surface potentials in either 2-D or 3-D plots, with facilities to examine the graphs from any desired viewing angle.
- Graphics of touch and step voltage variation along any straight line, with comparison to the safe values computed by the safety assessment module.
- Graphic indications on the 2-D grid layout of the area being analyzed for touch and step voltages, for easy identification of hazardous locations.



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