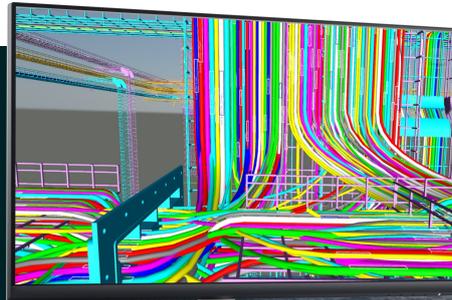




Paneldes Raceway

World's Richest Set of Design Tools for Producing Cable Routing/Reports

Comprehensive,
easy to use.



World's first PC based wire/cable routing

EDS, the **Elecdes Design Suite**, is a suite of electrical design software applications that has functionally without peer.

EDS contains many design tools, evolved over 30 years with the feedback of thousands of electrical professionals. These tools are suited to and fully encompass the needs of each electrical sub-discipline.

The three main components of EDS, are Elecdes, Instrument Manager and **Paneldes**.

Paneldes Raceway is a powerful software tool for the design of plant raceway systems.

Paneldes Raceway is an application that contains parametric construction, design and analysis tools. These tools accelerate the design process and increase your **efficiency** and **accuracy**.

Paneldes Raceway is also the **World's first fully functional** PC based cable and wire routing software.

For 3D modelling Paneldes Raceway provides fast, easy to use tools for creating cable tray and duct bank, including polyline trace and links to supplier parts libraries.

When optimising cable routes, Paneldes Raceway takes into account raceway fill, power compatibility, cable pulling schedules and bend radius. Where there are potential bottlenecks, Paneldes will also provide diagnostics information to assist in finding the best route solution and can easily provide alternative routes.

Paneldes Raceway produces cross section reports and drawings and will also create drumming reports which inform your team on where to cut and splice your cables, optimally reducing cable wastage.

Paneldes Raceway software can produce significant cost savings, particularly in the design of large projects where spreadsheet data becomes unmanageable. Historically, without Paneldes, cabling project costs can be over or underestimated by up to 30% because of the inaccuracy of manual routing methods (including spreadsheet use). Historically raceway filling has been largely governed by guesswork and approximation.

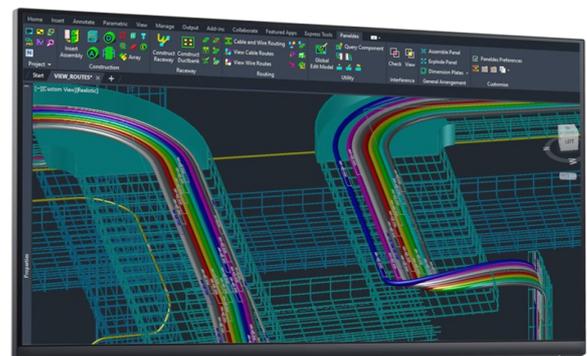
Through the use of smart electrical design automation and by enhancing the accuracy of your methods, Paneldes Raceway can help you achieve significant savings on design, installation and material costs. It is common for trained Paneldes Raceway users to recover the cost of the software and training on their first project.

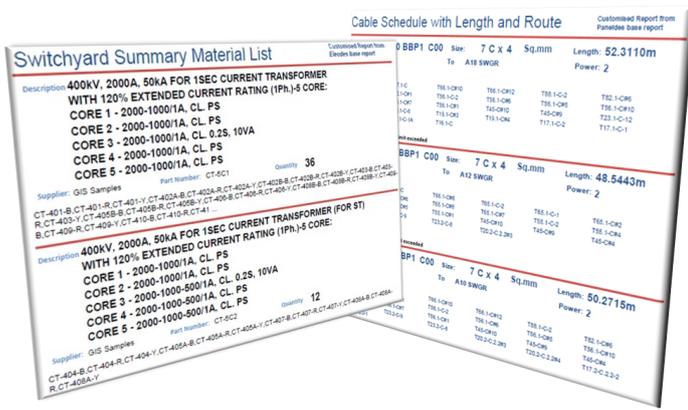
"Paneldes Raceway automation is estimated to have saved 40-50% in the production costs of our modular K-Series protection systems." **Engineering Manager, Stafford, UK.**

Paneldes Raceway integrates with Instrument Manager and Elecdes, which are providers of upstream cable schedule data for routing. Paneldes Raceway also integrates with the EDS **Cable Scheduler** which provides a "database centric" cable management interface for all Paneldes Raceway cabling processes.

Paneldes Raceway Deliverables

- 3D Electrical Model.
- Cross section drawings.
- Materials Report and Quantity Summary.
- Cable Schedule with length.
- Cable Routing and Pull cards.
- Raceway filling and Cross Section.
- Transit report with filling and seal block materials.
- Cable Drumming.
- Center of Gravity Report.
- Construction Drawings.





Ebase

- Manage projects and project drawings (and DSN).
- Selection of type of reports to be generated.
- Auto cross-referencing and Auto-wiring functions.
- Auto Find and Replace function.
- Export DWGs to PDF.
- DWG to DGN converter.
- Project wide Global Edit of drawings and components.
- Export to PDF with hyperlinks for component references.

Block Manager

- Bulk operations (many drawings, many symbols in batch).
- Change properties of attributes.
- Add new attributes to a block.
- Swap blocks in N number of drawings at a time.
- Redefine blocks in N number of drawings at a time.
- Replace style of one symbol with another in N number of drawings.

Technical Support

All SCADA Systems offices can provide a high degree of Technical Support for the EDS products. Support is available globally.

Extended Maintenance and Support contracts (EMS)

SCADA Systems offer support contracts inclusive of all software upgrades, free email/ phone support, and development request priority. These contracts are offered on an annual subscription basis.

Languages/International

EDS and all of its documentation is now supplied in English, French, Spanish.

Hardware and Software required

Windows 8 thru to Windows 11, PC with Intel I5/I7, 16GB ram/1 TB HDD or similar. For cable routing and instrumentation users, 32GB+ ram, SSD and high speed networking is recommended.

Software Compatibility

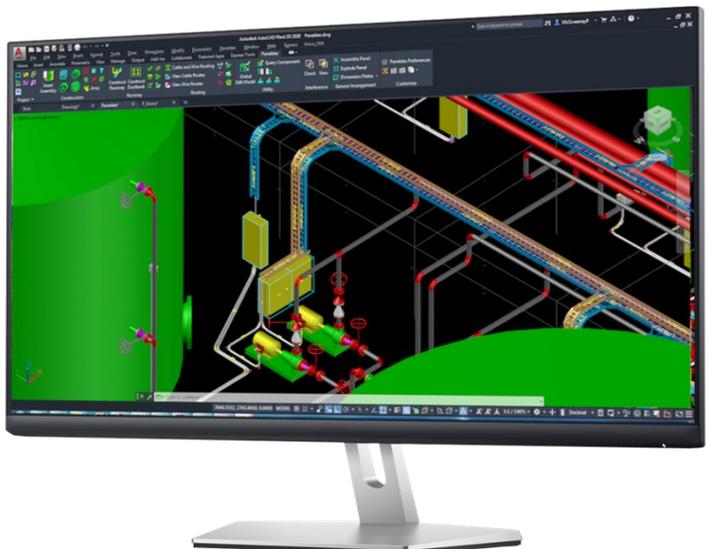
We support compatible O/S, CAD and Office tools from current versions and for older versions (up to 7 years old) for: AutoCAD, BricsCAD, GStarCAD, Microsoft Excel & Access, DBASE, SQL Server. We support a Windows compatible network.

Licensing

EDS software can be locally or network licensed.

Development Details

EDS development is shared between SCADA Systems Offices. The development team includes programmers, engineers and designers who, between them, share 100s of man-years experience in the field of electrical engineering. The software is currently written in C, C++ and C#. Over 3 million lines of programming code form the programs of EDS.



TECHNICALLY SPEAKING...

Modelling

- Parametric construction of 3D raceways from a Catalog/library.
- Construct Transits from default a Catalog/library.
- Realistic 3D raceways constructed by tracing a 3D polyline.
- Automated selection of fittings based on active Raceway sizes.
- Automated fittings break into straight segments.
- Duct bank editor.
- Accurate BOM for raceway and components.
- Free access to default catalogs and 3D blocks.
- Automated Insert of components from a table of positions.
- Catalog based components.
- Project wide edit of components using Global Editor.
- Clash detection.
- All CAD functions are retained (e.g. 3Drotate, stretch, move or copy).
- Xrefs usage encouraged.

Cable Management with Cable Scheduler

- Create interconnection of Cables in SQL Database.
- Sync Paneldes model in SQL Database.
- Ability to import Cable List/Schedule from Excel, SQL or Access.
- User defined folders for management/organisation.
- Manufacturer Catalog based components..
- Bulk edit operations of components is made easy in SQL Database.
- Realistic cable route preview and diagnostics.
- Live fill percent information in SQL Database.
- Staged Cable management.

Cable Routing

- Automated routing.
- Realistic cable route preview and diagnostics.
- Group cable routes by location.
- Segregate cables by power or room.
- Divide cable trays to carry more than one type of cable.
- View divided fill percent of a raceway segment or transit.
- View Cable route in CAD or Navisworks.
- Component information into Navisworks.
- Routing Diagnostic tools for bad routes.
- View cables in a raceway cross section.
- Add manual routes (optional).
- Add guided routes with waypoints (optional).
- Manage cable route locking status (Locked, Issued and Pulled).
- Pull card reports for site cable laying contractors.
- Transit fill report with auto block selection for frames.
- Auto cable arrangement in Transits.
- Cable tray and Transit cross-sectional drawing.
- Centre of gravity reports.
- Export Cable routes/length/etc to Navisworks.

EDS Setup

- Manage Client Specific libraries.
- Assign admin privileges to users.
- Copy, save and Share EDS settings to other users.
- Selection of warnings to be displayed.