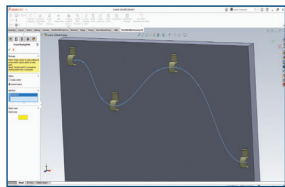


WHAT'S NEW IN SOLIDWORKS® 2021— ECAD

SOLIDWORKS Electrical

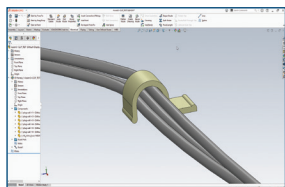


1 Splines, lines or other sketch entities to route harness in 3D

- Option to choose splines when routing harnesses for more realistic rendering
- Use splines, lines, arcs or converted curves to create route path sketches for electrical routes

Benefits

Wires can now follow wider variety of freeform 3D paths.

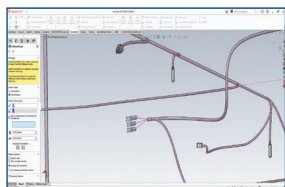


2 Enhanced capability to arrange wires and cables that pass through mounting clips

- Multiple wires and cables can pass through a clip and be arranged and displayed based on various needs

Benefits

Improve productivity when greater positional control of wires is required.

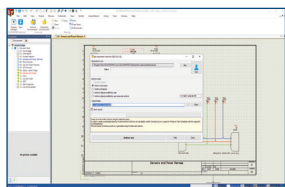


3 Increased flattening control for electrical harness documentation

- Harness board drawings can now selectively hide or show particular connectors and wire fan outs

Benefits

Improve assembly documentation with greater control and accuracy for flattening electrical harnesses.

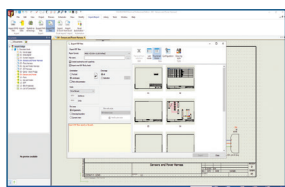


4 New Archive Environment capability

- Archiving of electrical projects can now be automatic or scheduled

Benefits

Enjoy more control to back up electrical libraries and design projects.

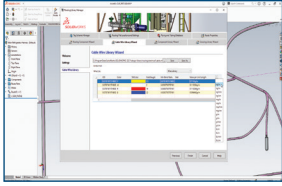


5 Enhancements to PDF file generation

- PDF files of projects are now generated up to 9x faster depending on project size

Benefits

Create documentation for electrical design projects faster.

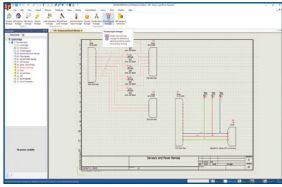


6 Enhanced management of coverings and wire and cable libraries

- Engineering units for wires, cables and electrical harness data can now be updated using Routing Library Manager (RLM)

Benefits

Speed design changes with easier updates to electrical libraries.

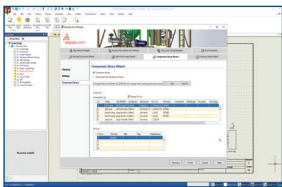


7 New Terminal Types Manager

- Define what wire terminals to use with a specific terminal strip for greater control and design accuracy
- Entire terminal strips can be directly documented and managed in electrical schematics

Benefits

Handle terminals and interconnections more precisely.

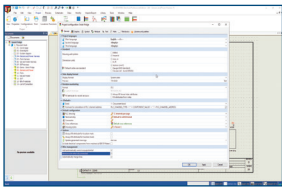


8 Support end terminations in Connector Tables, Interconnects and Accessories Library

- Information on end terminations can be brought from SOLIDWORKS Electrical Schematic into 3D for more complete documentation

Benefits

Improve productivity via closer connection between schematic and 3D.

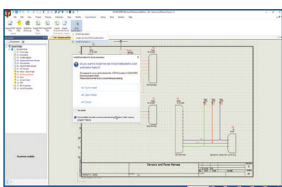


9 Enhancements for wires without end terminations

- Wires such as pigtails with no end terminations now fit entire workflow from schematic to 3D

Benefits

Address more customer challenges with additional design tools.



10 Enhancements to Excel-based automation for SOLIDWORKS Electrical

- SOLIDWORKS Electrical users that leverage Microsoft® Excel for electrical design automation now have add-in to Excel to streamline process

Benefits

Get more out of electrical design automation driven by Microsoft Excel.

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