

Release Notes

TRIMBLE ELECTRICAL DESIGNER v22.0.31

This document summarises the latest improvements, bug fixes and new features that are included in the latest version of the Trimble Electrical Designer Suite of products incorporating ProDesign, ProDesign 3D, Protect, SingleCable and PowerNet.

ProDesign

This release incorporates a number of behind-the-scenes performance, reliability and security improvements in addition to the following.

For more information on ProDesign, please go to:

<https://mep.trimble.com/en-GB/products/prodesign>.

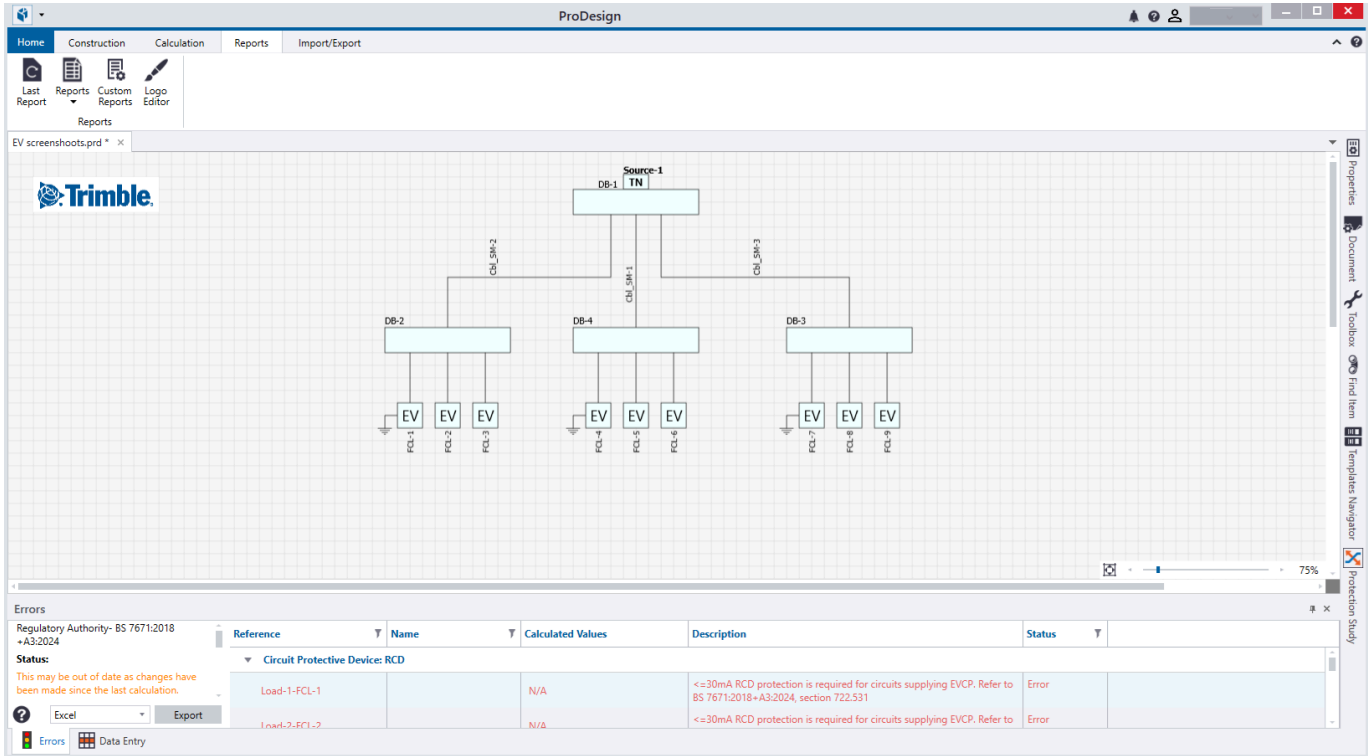
Electrical Vehicle Charger is here!

ProDesign introduces the Electrical Vehicle (EV) charger. This new feature allows users to add an EV charger as a final circuit load type to their electrical schematics. Users can select between single-phase or three-phase and neutral EV charging points.

Key Features:

- Introduced a new EV charger component as an additional final circuit load type
- Added the option to include an Overcurrent Protection Device (OPDD) and/or a Residual Direct Current Detection Device (RDC-DD)
- Support for both Mode 3 and Mode 4 EV charging points
- New EV load schedules available

Example of EV Charger shown on the Schematic:



Example of EV Charger on Load tab:

Final Circuit Load Settings

ID

FCL-1

Displayed

Name

Displayed

Connections

FROM DB-2

Template

EV Charging Point Three Phase and Neutral

Apply

Save As...

Final Circuit FCL-1

Protection

Voltage Drop

Cbl_FC-1-FCL-1

Grouping

CPC

Load-1-FCL-1

EVCP Details

SPD

Display Results

Comments

Attachments

ID

Load-1-FCL-1

Name

Inherit

✓

Type

EV Charging point, three phase and neutral

Design Current

Sockets BS 1363, 20A radial circuit to sockets up to 50m²

Active Power

Sockets BS 4343, 63A radial circuit

Power Factor

Sockets BS 4343, 32A radial circuit

3rd Harmonic

Sockets BS 4343, 20A radial circuit

Earth Fault Discon

Sockets BS EN 60309-2, 63A radial circuit, single phase

Auto

Fixed

0

Sockets BS EN 60309-2, 32A radial circuit, single phase

Diversity

Sockets BS EN 60309-2, 20A radial circuit, single phase

Duty

Standby

Sockets BS EN 60309-2, 63A radial circuit, three phase

Supply Voltage

Sockets BS EN 60309-2, 63A radial circuit, three phase and neutral

EV Charging point, single phase

EV Charging point, three phase and neutral

?

OK

Cancel

Example of EV Charger Details tab:

Final Circuit Load Settings

ID FCL-1 **Connections** FROM DB-2

Name **Template** EV Charging Point Three Phase and Neutral **Apply** **Save As...**

Final Circuit FCL-1

Protection

Voltage Drop

Cbl_FC-1-FCL-1

Grouping

CPC

Load-1-FCL-1

EVCP Details

SPD

Display Results

Comments

Attachments

Manufacturer Trimble

Model EZ Charger

Part Number 123456

Installation Outdoor

Charging method Mode 3

☐ Built-in 30mA RCD protection

Type A

☐ Built-in RDC-DD protection

☐ Built-in Open PEN protection

Earthing Arrangement

☒ Inherited Earth

☐ Local Earth at Equipment

☐ Show earthing symbol on drawing

Local Earth Impedance

Resistance (Ω)

Electrode 2

OK **Cancel**

For more information, log in and check out the video on Trimble Learn:

<https://learn.trimble.com/learn/dashboard/channel/456>

Resolved Bugs

- [MEPEL-11122] [MEPEL-11360] Resolved a bug that caused ProDesign to crash when adjusting the overload settings of a motor circuit.

ProDesign 3D for TED Pro+ UK!

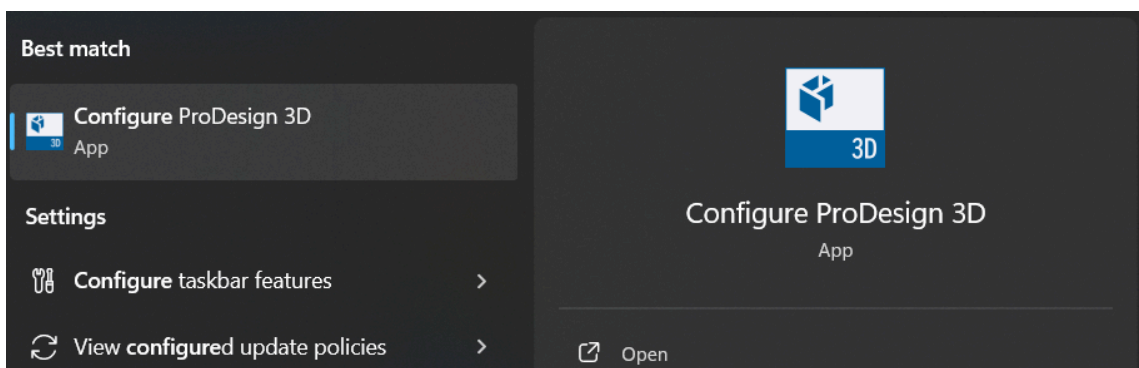
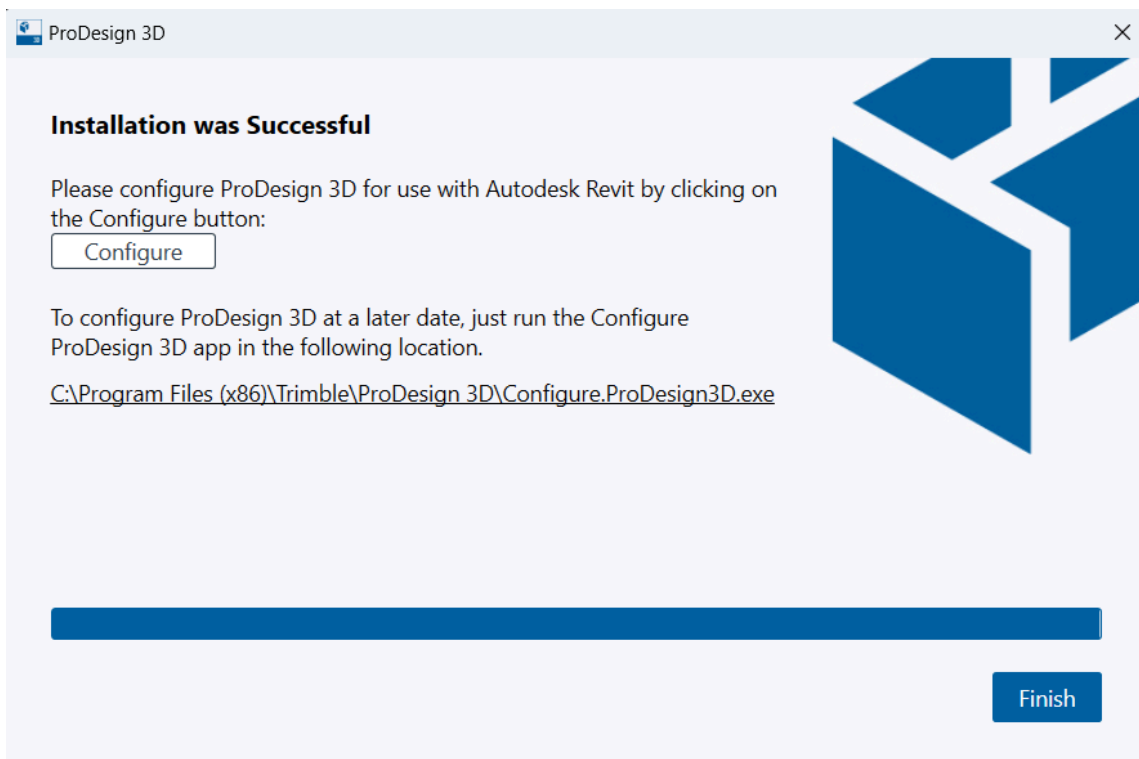
ProDesign 3D is a plugin for Revit that enables users to perform electrical calculations within 3D Revit models. It allows customers to ensure compliance with various regulations, including UK standards, Dutch NEN, German VDE, and European IEC regulations. With ProDesign 3D, users can

enrich their Revit models with detailed electrical engineering information, generate reports, create schematics, and export projects for use in ProDesign 2D.

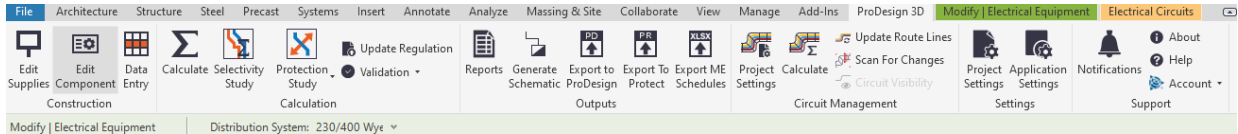
To download ProDesign 3D, ensure you have a TED 2D Pro+ license and visit the [Trimble community portal](#).

Key Points:

- ProDesign 3D enables users to maximize Revit content tailored to their organization.
- ProDesign 3D cannot operate simultaneously with the Stabicad for Revit plug-in. While a project created in Stabicad can be opened in ProDesign 3D, it is recommended to use either ProDesign 3D or Stabicad for Revit exclusively on projects to avoid compatibility issues.
- Users can configure ProDesign 3D with various Revit versions through the installer or access it from the "Start" menu on their computer.



- Locate ProDesign 3D on your Revit ribbon and utilize its various electrical calculation functionalities.



For more information, log in and check out the video on Trimble Learn:

<https://learn.trimble.com/learn/dashboard/channel/456>

Protect

This release incorporates a number of behind-the-scenes performance, reliability and security improvements.

For more information on Protect, please go to:

<https://mep.trimble.com/en-GB/products/protect>.

SingleCable

This release incorporates a number of behind-the-scenes performance, reliability and security improvements.

For more information on SingleCable, please go to:

<https://mep.trimble.com/en-GB/products/singlecable>

PowerNet

This release incorporates a number of behind-the-scenes performance, reliability and security improvements.

For more information on PowerNet, please go to:

<https://mep.trimble.com/en-GB/products/powernet>

Upgrade procedure

In order to upgrade your software to this new version, you need a Trimble ID as well as the Named User Licence. For further support, please see the following Technical Assistance section.

Software Update Notifications

The Trimble Electrical Designer suite of applications will notify you when an application update is available for download. You will be able to download the updates from the notification centre itself.

In case your software has received any calculation updates, you will be notified with a "Calculation Service Version Update" during the first instance of calculation.

Named User Licensing

All our products within the Trimble Electrical Designer Suite namely ProDesign, Protect, SingleCable and PowerNet are now powered through named user licensing. This means that a user of our products must have a named user licence assigned to their own Trimble ID and each licence is meant to be used by a single user.

Please contact our support team if you have any questions regarding the licence management and accessing the product. For further support, please see the following Technical Assistance section.

Technical Assistance

Our Technical Support team uses a support tool which allows them to view and control users' machines remotely. This is only ever undertaken with the user's permission – and while being supervised by the user.

Our applications have a menu option link to the [support web page](#) containing details of this assistance should it be required. For more information, please contact our support team via Amtech-Support@Trimble.com or call +44 (0)1908 608833 and then choose Option 1.

UK Customer Portal

If you are a registered customer, please login to the [Trimble community portal](#) for downloading the software and to access other related information. If you are not registered yet, please contact our support team as mentioned in the Technical Assistance section.