Performance Description

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Introduction

Eplan offers Engineering software and service in the fields of electrical engineering, fluid power, automatization and mechatronics. The company develops one of the world's leading software solutions for engineering, plant engineering and enclosure design. Eplan is also the ideal partner for simplifying challenging engineering processes.

Standardized and individual ERP and PLM/PDM interfaces ensure consistent data along the entire value chain. Whether small or large companies, customers can thus use their expertise more efficiently. Eplan aims to keep growing with its customers and partners and furthers integration and automation in engineering. "Efficient Engineering" is our motto.

Eplan was founded in 1984 and is part of the Friedhelm Loh Group.

All from one provider: Eplan Solutions

Eplan supports the user in setting up engineering across multiple disciplines and independent of location. This means increases in efficiency when working on the Eplan project, because digital data flows seamlessly from solution to solution and is enriched accordingly in the project. Eplan Platform offers added value for collaboration in a team, especially when it comes to tasks shared between different locations.

Eplan allows bidirectional exchange with ERP and PLM / PDM systems via interfaces. Through neutral interfaces the Eplan project data can be exchanged with other software environments and further processed.

Extensions for all cases

No matter which requirements have to be fulfilled in the future or to what extent work with Eplan solutions is already taking place: Extensions in all directions can be implemented easily thanks to the Eplan concept – flexibly and individually for individual tasks.

A comprehensive overview of the current extension options is listed in the licensing overview. Should you have any further questions on this topic, please do not hesitate to ask your Eplan contact person.

Eplan Cable proD

Eplan Cable proD is used for the efficient design of cabling in mechanical engineering. This allows the required cable lengths to be determined at an early stage and reliably in order to obtain cables prefabricated or to fabricate them in the correct length. The application of the connection information from the Eplan project, as well as the data exchange with MCAD systems ensure a seamless integration in existing system landscapes and engineering processes.

Hardware and software requirements for Eplan

Please observe the notes in the information portal (Software and hardware requirements). These requirements are only available in English.

Overview of functions

✓ Standard functionality O Optional - Not available

Eplan Cable proD	
Library (parts management)	✓
Studio	
Cablespace	✓
Cables	✓
Interfaces	
Eplan Electric P8 data exchange	✓
Eplan Pro Panel data exchange	✓
Eplan CAD Translator	✓
Eplan Cable proD 3D HTML Export	✓
Eplan Cable proD API Extension	✓

Errors and changes reserved.

Function description

Library

Eplan Cable proD Library is an extensive library editor. All library parts, i.e. plugs, wires, cables, wire terminals, looms, etc., that are required for the wire harness design can be defined or imported here, including the required non-graphical parts. Versioning of parts is also possible in the library, which gives you better control over the parts used. You can also define the status of parts, as well as costs, weight, and cross-references. Most objects of the library can be imported by means of the import function (from a PDM source). Objects can be exchanged between libraries with just a few clicks.

Studio

Eplan Cable proD Studio is the central working environment for the development of the cabling in a 3D working environment. Data and documents are organized in projects within the Studio.

Cablespace

The 3D modeling of the cabling is carried out in the cablespace environment of Eplan Cable proD Studio. The 3D model can then be used as a source for outputs such as nailboards, cable drawings and reports. Eplan Cable proD generally allows the definition and management of several cablespace documents in a project. Several revisions of a cablespace can also be created.

Interfaces

Data exchange with Eplan Electric P8 and Eplan Pro Panel

Eplan Cable proD enables direct data exchange of schematic data from Eplan Electric P8. Eplan Cable proD can read the data directly from Eplan Platform projects. This solution is based on the Eplan Platform API and requires that Eplan Electric P8 Basic, Advanced, Pro, Premium or Eplan Pro Panel are installed on the same system and that a corresponding license is available. Eplan Cable proD can also import the 3D layout of an enclosure from Eplan Pro Panel and place all the devices automatically.

Remark: No additional Eplan Platform API license is required.

Data from Eplan Electric P8 can be exchanged with Eplan Cable proD via file export / file import using an exchange format.

Eplan CAD Translator

Import

3D models can be imported into a cablespace on the basis of various formats. The most important elements of the geometry are recognized automatically during importing and are processed for future use.
The current list of 3D formats supported in the Library and Studio is available in the online help system.

Export

3D wire harness designs can be exported from the cablespace in different formats.
The current list of 3D formats supported in the Library and Studio is available in the online help system.

Eplan Cable proD 3D HTML Export

Eplan Cable proD can export projects in an HTML format which can be shown in web browsers on different platforms. It exports all workspace documents into an autonomous HTML document without reference to the source project or to other data sources. The HTML document contains the exported 3D data, object properties and pre-defined views.

The HTML export function in Eplan Cable proD Studio is available for all licenses under Subscription.

No additional license is required for the display in web browsers.

The following web browsers are supported in the most recent versions: Microsoft Edge, Google Chrome, Mozilla Firefox, Apple Safari (with activated WebGL2). It is urgently recommended to operate the browser with a special graphic card to achieve the best performance.

Eplan Cable proD API Extension

Eplan Cable proD provides the option to automate standard functions via an API or plug-in to the user. Programming and usage is possible with the "Eplan Cable proD API Extension" module.

The documentation of the Eplan Cable API is published as part of the online help system.