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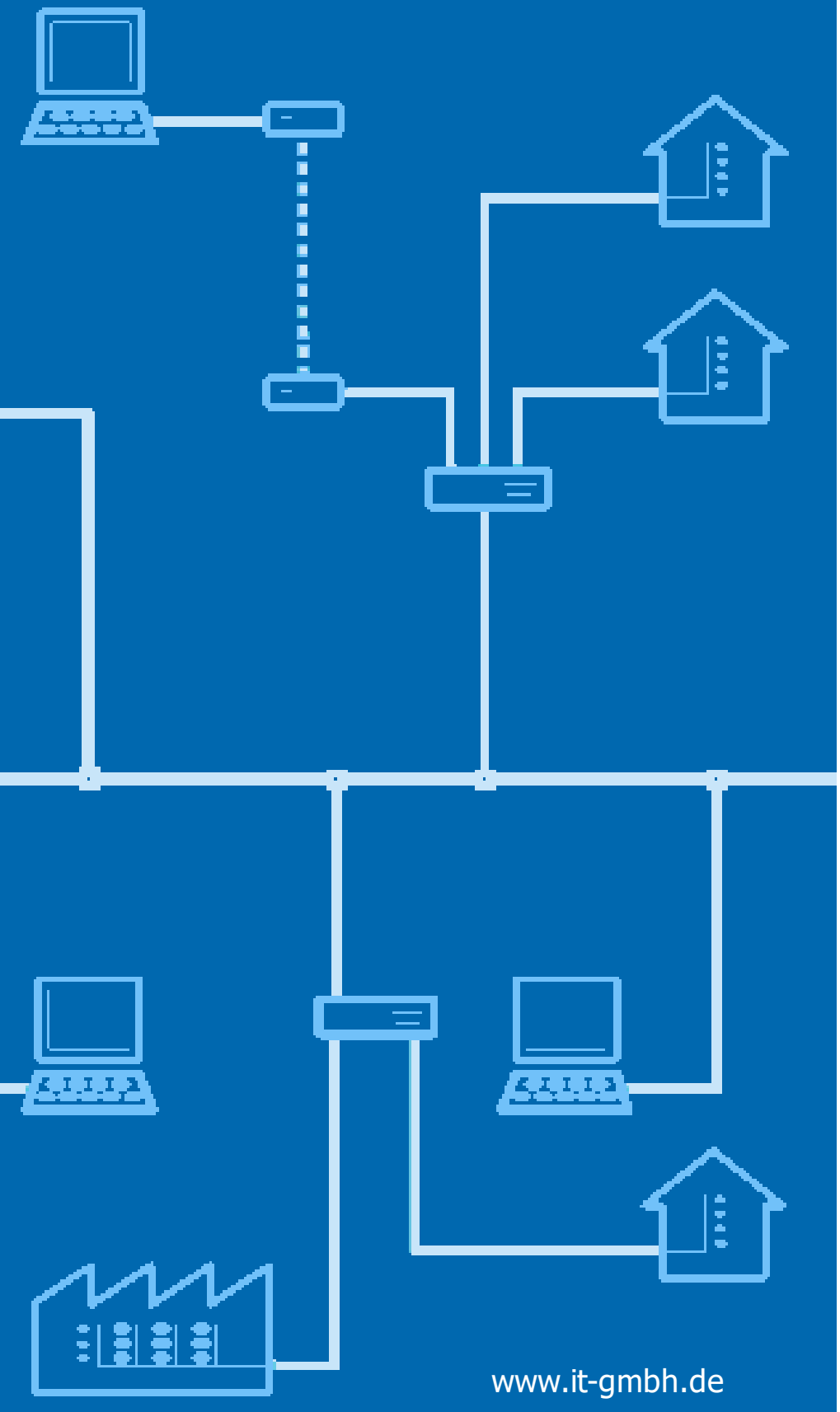

Manual Project Diff

www.it-gmbh.de

Project Diff

Manual

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Chapter

Welcome

1 Welcome

We congratulate to your purchase of the ETS App Project Diff, and thank you for choosing one of our products.

The available functions in Project Diff may be restricted by the used ETS license. In addition you find further details in the on-line help of ETS.

Knowledge of Windows and ETS is necessary for an understanding of the contents described.

Features

Windows

- App Window

Additional Information

- Contact (Orders, Support)

1.1 Conventions

The following conventions were used for this manual:

- **Bold** print either highlights important terms, denotes a menu command or pressing a button.
- *Italic* print indicates a variable text, e.g. Project file indicates that the name of your project file is meant here.
- > and >> the symbol > in a brief description denotes an operational sequence. In front of the sequence symbol > there may be a site specification e.g. main menu or context menu.
  Example: main menu > Edit > Properties properties-page > General means that in the main menu you should first select the Edit menu command and in it the Properties command, then proceed in the dialog which has opened up to the General properties page.
  If a double mouse click is necessary the sequence symbol will be doubled >>. The terms left/right mouse button refer to the standard Windows setting.

Screen images and operating sequences refer to a Windows 10 operating system. If you use another operating system, your display or operation may deviate from the illustrations in this manual.

This manual is intended both for beginners as an introduction to proper use and experienced users as a reference work. These two aims are to be achieved by dividing into categories. Four symbols indicate the categories:

The building blocks indicate the path to „basic knowledge“.

The flash guides to „quick creation“.

Here you find „tips and tricks“.

The magnifier shows „in-depth“ topics.

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1.2 Features

Project Diff helps you compare different versions of an ETS project or different ETS projects.

1.3 System requirements

- You can use this software only together with the EIB/KNX Engineering Tool Software ETS 5.6 or higher.
- All operating systems are supported where ETS 5.6 can be installed.
- The software uses less than 1MByte space on the hard disk.

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Chapter

Procedures

2 Procedures

2.1 Launching the App

Project Diff integrates itself as menu command in Apps > IT GmbH. If you use this ETS App regularly, you will find it useful to add it as a button in the ETS toolbar.

Click on the menu item or toolbar button to start the ETS App Project Diff.

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Chapter

Reference

3 Reference

3.1 User Interface

3.1.1 App Window

In the App window, the following information is displayed:

Compare project	Here, the name of the current project is displayed
With project	Here, a comparison project can be selected
File	Specify an export file (knxproj file)
Restore Point	Select a restore point of the current project
Compare	Start the comparison with this button
Options	Specify options (see below) before clicking on **Compare**.
Report	Formats the results as report which can be printed or saved as XPS file.

Options

The following options are available:

Identification	Specifies how items of the two projects are related to each other
Automatic	Determines the suitable selection automatically: = **By internal ID**, if both refer to the same project = **By unique properties**, if the projects are unrelated
By internal ID	The identification is done using internal invisible numbering provided by ETS. This works only if the two sources refer to the same project. The advantage is that elements (e.g. devices) can also be related if the identifying property (e.g. address) has been changed,
By unique properties	The identification is done using properties suitable for identification. For items having an address (e.g. areas, lines, devices, group addresses) this is the address. Items of the building and trade structure are identified by a combination of Number and Name.
Compare non-technical data	This option specifies if also non-technical data (e.g. texts) shall be compared)
Compare ...	With these options, parts of the ETS project structure can be excluded from the comparison

Results

The comparison results are displayed in the lower part:

Added ...	An item is present in the current project but not in the comparison project. Clicking on ▸ navigates to the item in the current project.
Deleted ...	An item is present in the comparison project but not in the current project.
Modified ...	An item is present in the both projects but has different properties. The differences are displayed at the right side when selecting the entry. Clicking on ▸ navigates to the item in the current project.

Report

This button serves to create a formatted report containing the found difference. The report can be printed or saved as XPS file (XML Paper Specification).

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3.2 Details

This section informs about the details of the comparison for each ETS element type.

3.2.1 Area

Identification

If the identification cannot be done using the internal ID, the following properties are used to identify the corresponding Area in the comparison project:
- Area Address

Technical data

The following properties are compared as technical data:
- Area Address

Non-technical data

The following properties are compared as non-technical data:
- Name
- Description
- Comment
- Completion Status

3.2.2 Line

Identification

If the identification cannot be done using the internal ID, the following properties are used to identify the corresponding Line in the comparison project:
- Parent Area
- Line Address

Technical data

The following properties are compared as technical data:
- Line Address
- Medium type
- Domain Address if applicable (media PL and RF)

Non-technical data

The following properties are considered non-technical data:
- Name
- Description
- Comment
- Completion Status

3.2.3 Device

Identification

If the identification cannot be done using the internal ID, the following properties are used to identify the corresponding Device in the comparison project:
For devices assigned to a line with a valid device address:
- Parent Line

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- Device Address

For devices assigned to a line with no valid device address (e.g. power supply):
- Parent Line
- Product and Application Program

For devices not assigned to a line:
- Product and Application Program

Technical data

The following properties are compared as technical data:
- Individual Address
- Product
- Application program
- Security enabled or disabled (if the security is set to "Auto", the resulting security state is compared)

The comparison of the following properties can be disabled or enabled by a corresponding option:
- Programming Status and date of last Download
- Parameter Values
- Communication objects (identified by object number and size)
  Note: only communication objects linked to group addresses are compared.
  - Flags
  - Priority
  - Datapoint Type
  - optionally: assigned group addresses
- Bus interfaces objects (identified by index)
  - Individual Address
  - Name, Description (as non-technical data)
  - assigned group addresses

Non-technical data

The following properties are considered non-technical data:
- Description
- Comment
- Installation Hints
- Completion Status

Hint: the Name is not compared since it is copied from product data in ETS.

3.2.4 Space (Building structure)

Identification

If the identification cannot be done using the internal ID, the following properties are used to identify the corresponding Space in the comparison project:
- Parent Space
- Number
- Name

Technical data

The following properties are compared as technical data:
- Space Type

Non-technical data

The following properties are considered non-technical data:
- Number

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- Name
- Description
- Comment
- Completion Status
- Usage

3.2.5 Function

Identification

If the identification cannot be done using the internal ID, the following properties are used to identify the corresponding Space in the comparison project:
- Parent Space
- Number
- Name

Technical data

The following properties are compared as technical data:
- Function Type
- Assigned group addresses

Non-technical data

The following properties are considered non-technical data:
- Number
- Name
- Description
- Comment
- Completion Status

3.2.6 Trade

Identification

If the identification cannot be done using the internal ID, the following properties are used to identify the corresponding Trade in the comparison project:
- Parent Trade
- Number
- Name

Technical data

No properties are compared as technical data

Non-technical data

The following properties are considered non-technical data:
- Number
- Name
- Description
- Comment
- Completion Status

3.2.7 Group Range (Main/Middle Group)

Identification

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If the identification cannot be done using the internal ID, the following properties are used to identify the corresponding Group Range in the comparison project:
- Start/End Address

Technical data

The following properties are compared as technical data:
- Start/End Address

Non-technical data

The following properties are considered non-technical data:
- Name
- Description
- Comment

3.2.8 Group Address

Identification

If the identification cannot be done using the internal ID, the following properties are used to identify the corresponding Group Address in the comparison project:
- Address

Technical data

The following properties are compared as technical data:
- Address
- Security enabled or disabled (if the security is set to "Auto", the resulting security state is compared)
- Datapoint Type
- Unfiltered

Non-technical data

The following properties are considered non-technical data:
- Name
- Description
- Comment

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Chapter

Imprint

4 Imprint

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D-90562 Kalchreuth
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Chapter

Contact

5 Contact

Orders

ETS App Project Diff is available only at KNX Online shop.
For information please contact our sales office:

Phone: +49 (0) 911 518349-0 (Mo-Fr 9 a.m. to 16 p.m.)
Fax: +49 (0) 911 5183688
Email: vertrieb@it-gmbh.de

Support Service

If you have questions or problems, you may contact our Hotline:

Phone: +49 (0) 911 518349-10 (Mo-Fr 9 a.m. to 4 p.m.)
Fax: +49 (0) 911 5183688
Email: support@it-gmbh.de
WEB: problem report

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IT GmbH
An der Kaufleite 12
D-90562 Kalchreuth
https://www.it-gmbh.de
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Chapter

Feedback

6 Feedback

Please help us to improve our ETS Apps. Your feedback may influence further development so that in subsequent versions and manual editions your wishes and requirements may be taken into consideration.

We look forward to receiving your comments and wishes on the content, representation of associations as well as comprehensibility regarding the program parts or the documentation. Please also let us know if you have any improvement suggestions with regard to support, training or sales.

Feedback via IT Website

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