

" Intuitive and Versatile Computer-Aided-Design Software for all your Electrical Design needs "



More than 83,000 people worldwide use an IGE+XAO software package

SEE Electrical Basic

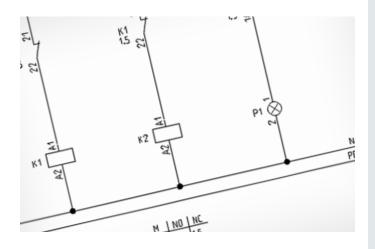
A cost-effective, entry-level solution There are 2 options: limited to 25 pages or unlimited pages

SEE Electrical - Basic is the ideal entry-level solution for all industries. Its numerous functions and attractive price make it an easily accessible choice for smaller businesses involved in any aspect of electrical engineering.

SEE Electrical offers real-time and automatic functions, which incorporate proven technology well suited to managing project information and multiple lists.

- Developed to run in all existing Windows environments (Win7, 8, & 10).
- Intuitive, easy to use and designed specifically for electrical engineering functions.
- Users can be productive very quickly, with minimal need for training.
- · Working environment personalization.
- User-friendly drawing functions facilitate schematic entry. Rubber band function, for example, allows the moving of components horizontally or vertically, while wires remain connected.
- Extensive array of industry standard symbols provided in the various available databases (custom symbols can be also be created).
- Various standard and customizable component, cable, and terminal strip tagging options.
- · Locking of component names.
- All project specific settings stored within the project data and easily adjusted to the user's requirements.
- Quick output of purchasing and manufacturing reports (including documents and components lists, cable, wire and terminal lists).

- Various templates included (custom templates can also be created).
- · Simultaneous work on several projects.
- Documents from other Windows applications supporting Microsoft Active X® interface (including Microsoft Word®, Microsoft Excel®) and Adobe Acrobat® PDF files can be embedded into the project structure.
- DWG, DXF, DXB Format import and export and Enhanced Metafile Format export.
- BMP, JPEG and PCX image handling.
- Real-time and automatic functions constantly verifying the project.
- Labels for terminals, wires and components export in various printer formats, including Weidmüller and many others.
- Dimensioning and advanced CAD functions for documenting control cabinet and panel layouts.
- Hyperlinks insertion in circuit diagrams.
- SEE Electrical Viewer available for free, allowing anybody to view and print projects.
- «Redlining» functionality (available in basic software and the Viewer).



SEE Electrical Standard A feature-rich, high value option

SEE Electrical - Standard is the second level of SEE Electrical. An economic solution to deliver distinct advantages to those users who regularly produce and revise electrical documentation.

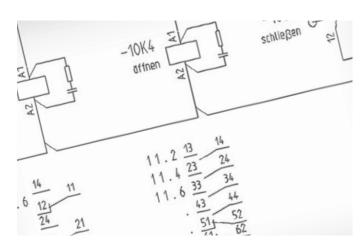
In addition to the functionality of the Basic level, the Standard package offers a wider range of features to assist in the rapid production and effective management of electrical diagrams.

- · Fully integrated relay contact, component auxiliary contact, connector and cable manager. Administration of both main and additional component references.
- · Easy handling of devices with parts spread out across several pages in circuit diagrams (relays, pins of connectors, cable cores or multi-level terminals).
- · Simple creation of detailed parts lists thanks to an integrated equipment database (manual entry or import of complete manufacturer's catalogues in spreadsheet format). Hyperlinks to manufacturers external documents. Equipment information from type database can be displayed on components.
- · Automatic wires numbering in a variety of formats. Wire directions displayed and edited if required. Wiring lists generation.

- · Database component modifications in editor (a list format) (displayed immediately in the electrical diagram). The editor allows easy selection of specific manufacturer's components from the type database.
- Automated logical functions for PLCs, allowing real-time bi-directional exchange of PLC address and functional descriptions between racks and I/O signals.
- · Folder management allows hierarchical project development.
- · Functions and locations (including predefined and manually allocated functions and locations) supported.
- · Page gap insertion or removal (component names that are related to the page number can be updated automatically).
- · Complete pages can be copied with one click inside the current workspace.

SEE Electrical

is of particular **benefit** to manufacturers of any type of electrical machinery and cabinets.



The IGE+XAO equipment catalogue is available as a subscription service called «SEE Web Catalogue» and «SEE Part Libraries». Subscription enables to take advantage of one of the most complete electrical catalogues in the market, reducing the time required for finding and generating necessary data.

SEE Electrical Advanced

For the highest level of electrical design

SEE Electrical - Advanced is the top level of SEE Electrical. It offers a high-end, professional system for electrical diagram design that substantially reduces development times.

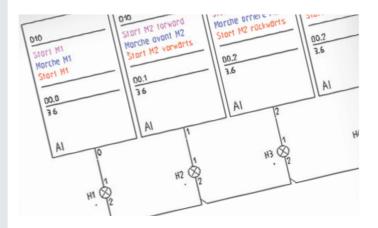
In addition to all the capabilities of the Basic and Standard levels, the Advanced package equips the user with further powerful functions. These have been specifically designed to enable users to rapidly and efficiently develop and manage complex electrical projects.

- Auto Connection, for symbols from rails, and Orthogonal Wiring allowing for multiple wires to be drawn simultaneously.
- Single pages can be copied or moved by drag and drop also between different workspaces. Multiple pages and folders can also be copied in one step.
- By double-clicking on any cross-reference, the user can navigate through a complex project quickly and effortlessly.
- Automatic numbering mode for PLC addresses can be predefined (hexadecimal, decimal, or octal as well as custom numbering formula), and PLC assignment lists can be imported in Microsoft Excel® format.
- Possibility to change all the page templates for an entire project or for some pages only, allowing for the customisation of project templates for different customers.
- Wide range of modifications possible (terminal blocks automatically renumbered to comply with new or revised definitions etc.) from database editors.
- Easy to use «Navigation from database list to drawing» function for finding objects quicker. Some graphical lists (component, terminal, PLC I/O, cable and device list and product assembly) allow navigation to the diagrams.

- Functionality for managing parts which don't need to be in the drawings by list (spare terminals, end- or separation plates, mounting material ...) allows either:
 - to predefine material and to position it later in the circuit diagram by using a pick list
 - or to help manage material that does not appear in a diagram but is necessary for the part list. Possibility to read in an Excel file that contains additional material (for example information already prepared in a PDM system).
- Custom graphical list generator for creating own bespoke project reports (built-in interface allows construction of custom SQL statements).
- Merging projects with different function/ locations allows multiple users to work on specific areas of the same project.
- Sorting order for different kinds of documents can be adapted (print exactly what is needed, in the required order and size).
- Workspaces are configurable: you can hide lists not in use, define specific SQL queries and generate lists in your own formats. Workspace, page and component text attributes can be defined or renamed. Additionally user defined symbol types can be added.

Powerful and fully automated generation of labels and tags with the «List & Labelling» tool.

All popular worldwide labelling formats, including Avery, Zweckform, Herlitz and Leitz are fully integrated into the system.



Additional modules

2D Cabinet *

Comprehensive set of tools for designing control cabinets and panels

- · Automatic synchronization between circuit & cabinet symbols. Components placed in circuit diagrams are listed in a cabinet pick list.
- · Elements inserted into cabinets are accurately scaled using the equipment database either from the length and width of the component or from imported or user-defined symbols.
- · Projects can be designed starting from the circuit diagrams or cabinet layout.
- · Dimensioning and other specialized CAD functions available for professional documents.
- · DIN rails and cable/wire channels can be inserted as required
- · Drill-hole templates can be generated based on information from the equipment database.

3D Panel *

Schematic and 3D panel design integration.

- · Fast 3D placement of all equipment.
- · Automatic snap-to-rail feature.
- · Collision detection.
- · Consistency check with the schematic diagram.
- · Import/export support for DWG/DXF, IGES, STEP and STL.

3D Panel Manufacturing *

Includes the features of the «3D Panel» module.

- Advanced wire routing features.
- · Optimal wire lengths calculated.
- · Manufacturing reports to support drilling plans and wire cut lists.
- · Direct output for CNC tools.

Cabinet Thermal Calculation *

- Allows for checking the heat properties of cabinets.
- · Calculates the power dissipation of all equipment.
- · Calculates the ventilation or cooling required to balance temperature increases.

IEEE Circuit Diagrams

Allows for the generation of circuits and associated documentation compliant with the US, Canadian and corresponding markets standards. This standard supports vertical rails, numbering of wires and components based on line numbers as well as providing a full IEEE standard catalog of symbols.

Intelligent PDF

Generates an intelligent PDF for navigating projects using the cross references and provides an overview of the project tree and navigable component list.

- · Hyperlinks defined in a workspace are available in generated PDF files.
- · Multiple languages output when used with the translation module.

File N	ame	
Import	Database lists	
11	View, Documents	
121	View, Products	
1	View, Terminals	
17	View, Cables	
- Di	View, Cable-wires	
1	View, PLC-I/O	
	View, Wires	
1	Wire-size	
i i	Wire-color	-
1	19dmun aumber	

Open Data

This is an essential module for companies where workflow requires updates to the project data to be done without the operators need for an Electrical CAD package.

- •Use Microsoft Excel® to quickly update information for components, parts, terminals, wire labels, PLC data and much more.
- · Single-click import of modified spreadsheet data to update the project.

Auto Generate * (available for IEC only) Rapidly generate SEE Electrical projects from a Microsoft Excel® spreadsheet using common circuits.

- · Text substitutions within the spreadsheet allow for accurate control of parts, functional descriptions, terminals, wire labels, PLC addressing, loop sheet design and much more.
- . The Excel file can be used by sales teams to quickly prepare a quote or tender and then automatically generate the circuit diagrams.

House Installation

A versatile CAD module for producing electrical installation plans.

- · Can be used with all Circuit Diagram levels. • Easy to use with a comprehensive range of symbols and objects specifically designed for the electrical building services including lights, sockets, switches, walls, doors,
- windows & staircases. Custom symbols can easily be generated to provide standard, well documented, desians.
- · Automatic symbol rotation for wall attachment, easy copying, and automatic tagging.
- Architects building plans can be imported from DWG/DXF/DXB type files and edited within See Electrical.
- Bills of materials and cable lists generated from the plans.
- · Tools for area calculation of rooms and insertion of cable channels (Standard level).

Intelligent Drawing Legacy

A very useful tool for maintenance services as well as any department managing legacy paper or DXF/DWG plans.

- 1. (Basic level) Processing of scanned raster data (BMP, JPG, TIFF) to import multiple files into individual pages in a single step. New symbols mask the picture making updates quick, simple, and easy to track.
- 2. (Standard level) Recognition of patterns and blocks imported via DXF/ DWG. After mapping symbols, the imported legacy project files can be made intelligent in a single click allowing work to continue as normal within SEE Electrical.
- 3. (Advanced level) combines both methods 1 & 2 in a single license.

Translation

Provides a database driven translation tool allowing entire projects to be converted into different languages in a single click.

- Texts can be translated individually and multiple languages can be displayed at once or switched from one to another.
- · Unicode compatibility ensures that characters for Cyrillic, Greek, Arabic, Chinese and more are easily supported.
- · The translation database is also available whilst entering text, allowing available phrases to be inserted by double-clicking.

Environment Synchronizer

This module allows administrators to control what program files, symbol and template updates should be applied to connected See Electrical users computers.

Users connected to the local area network when starting SEE Electrical are automatically updated with the new files ensuring all users have the same program version and company standards.

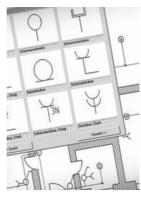
SolidWorks EPDM interface

Allows secure management and indexing of SEE Electrical projects in SolidWorks Enterprise PDM® by Dassault Systèmes.

PDM Connect

Generic interface to PDM software.

Allows for custom integration of the interface between See Electrical projects and various 3rd party PDM solutions.





Phease Insages Concentrations in parts, centures, calles, calles prote, unes, PL (Cib, documents) Field appoint of the a storage protect in the field of a storage on protect in the storage of a storag	Functionality offered by SEE Electrical	Basic	Standard	Advanced
Index density Composite the service from the controls V V Mulping private linears: name that matters and transmission and boarding V V V Mulping private linears: forduling ICQ with graphical torviews, graphing and sourching V V V Read with private linears: forduling interests V V V V Read with private linears: forduling interests V <t< th=""><th></th><th></th><th></th><th></th></t<>				
Enternage of the set as some plane the res norting V V Caleboot of devides instruction and devide instruction of caleboo material and and on component memory of parameters of the set			✓	✓
Createrin of pattern survey can and canada partees V V Real true component and open scripts (ranks or and terminal numbers, and reas softwarding V V Real true component numbers, memory and order as an observed. V V V Real true component numbers, memory and ordered analysis. V </td <td></td> <td>-</td> <td>-</td> <td></td>		-	-	
Teal after comparison university of each name and terminal numbers, and cross reterands V V V V Locked of comparison and conso controls controls of the set of the se				
Bits Immersmention and Learn presentation devices and sector measurements and s				
Linong orangeoret laines environs, and var babes (applied able defension - holding uncellation - holding unce				
Carbon project smaller or sport for multiple or sport of multiple of the CAB system CVAC. DNT and DDB] V V V Moreage Activable interface V V V V Moreage Activable interface V V V V Copying of protect graphs shardwords V V V V Status of protect graphs shardwords V V V V Status of protect graphs shardwords V				
a disclosed consistent with other CAD systems (DWG, DXE and DXG) importing of integrate (GPG, MBP PCX-1) importing of integrate integrate integrate (GPG, MBP PCX-1) importing of integrate	Graphical cable definition - including user defined symbols	\checkmark	\checkmark	\checkmark
Atternard Activative instructions Activated instructions Activated (AS) BMP (PCA) Act				
Importor of Image IdPA BUP DCL Decing of a sympole between protects Working on nutricke properts simultaneously Catabra DAB avoid proves the semi-timenously Catabra DAB avoid presets the semi-timenously				
Capitag or symbol grapping any symposis V V V Capitag or symbol grapping any symposis V V V Support for hypering capital grapping any symposis V V V Support for hypering capital grapping any symposis V V V And a binking frame V V V Support for Amazo Kabita for frame and XML V V V Brand for hours for Weinfrailer and a bink for frame V V V Support for frame and table promet V V V Brand for hours for Weinfrailer and a bink for morth V V V Support for formating an symport with a bink for morth V V V Support for formating and symport with a bink for morth and cap portable V V V Another and contract for morth and cap portable size for any contract for contra			· · · · ·	
Catabase increases and any sector of hyperfacts and any sector of hyperfacts on graphics V V V Support for hyperfacts on graphics V </td <td></td> <td>✓</td> <td>\checkmark</td> <td>\checkmark</td>		✓	\checkmark	\checkmark
Standard CAD drawn bacillase and dimensioning capabilities V V V Bedinang hunchonally V V V V Standard begins V V V V V Bedinang hunchonally V V V V V V Standard begins V	Working on multiple projects simultaneously	-		
Support for hyperinkes on graphing V V V 512 probable hypers V V V V 512 probable hypers V V V V V 512 probable hypers V <t< td=""><td></td><td></td><td></td><td></td></t<>				
Prediminant functionality V V 212 Natilable layes V V V Auto-backing fracture V V V V Export in Enhanced Meedle Format and XML V </td <td></td> <td></td> <td></td> <td></td>				
S12 Particle series </td <td></td> <td></td> <td></td> <td></td>				
Export Index for Webrinker and the label primes · · · Instanted sequenced declared exponent database in Microsoft Excell® format · · · Instanted sequenced distance · · · · Instanted sequenced distance · · · · Support for finding an explorement with auxiliary contacts · · · · Support of auxiliary contacts. · <		✓	✓	\checkmark
Export formatis for Weidenburge and other label primes <	Auto-backup feature		· · · · · · · · · · · · · · · · · · ·	
Integrated equipment databases in Moreanon Exceedib format Import of manufactures' data in a equipment database in Moreanon Exceedib format Import of manufactures' data in a equipment with suitable number of contacts for coles and components with auxiliary contacts. Constant more display for coles Automatic contract numbering of coles and components with auxiliary contacts Checking for overloaded contacts in coles and components with auxiliary contacts Checking for overloaded contacts in coles and components with auxiliary contacts Checking for overloaded contacts in coles and components with auxiliary contacts Checking for overloaded contacts in coles and components with auxiliary contacts Checking for overloaded contacts in coles and components with auxiliary contacts Checking for overloaded contacts in coles and components with auxiliary contacts Checking for overloaded contacts in coles and components with auxiliary contacts Checking for overloaded contacts in coles and components with auxiliary contacts Checking for overloaded contacts in coles and components with auxiliary contacts Checking for overloaded contacts in coles and components with auxiliary contacts Checking for overloaded contacts in coles and components with auxiliary contacts Checking in the overloaded contacts in coles and components with auxiliary contacts Checking in the overloaded contacts in coles and components with auxiliary contacts Checking in the overloaded contacts in coles and components with auxiliary contacts Checking in the overloaded contacts in coles and components with auxiliary contacts Checking in coles and components with auxiliary contacts Checking in the overloaded contacts in coles and components with auxiliary contacts Checking in the overloaded contacts in coles and components with auxiliary contacts Checking in the overloaded contacts in coles and components with auxiliary contacts Checking in the overloaded contacts in coles and components with auxiliary contacts Checking in the overloaded contacts in coles and t			· · · · ·	
Import of manufacture's other information or components Support of inding an equipment with subable number of contacts for coils and components with audiary contacts numbering of coils-and components with audiary contacts Support of automatic renumbering of coils-and components with audiary contacts Contact numbering of coils-and components with audiary contacts Comparing components into coils and components with audiary contacts Comparing components into coils-and components with audiary contacts Comparing component is the coils. nullievel terminals, connectors Coalbe management of coble and components with audiary contacts Comparing of deck terminals, Management of connectors audiary contacts Comparing of deck terminals, Management of connectors audiary contacts Comparing in folder structures Comparing and parked for all elements and references Comparing in folder structures Comparing in the parked for all elements and references Comparing in folder structures Comparing in f				
Display couponent information on components			· · · · ·	
contact Contact Contact Automatic contact numbering of colle-and components with auxiliary contacts V V Automatic contract numbering of colle-and components with auxiliary contacts V V Checking for overloaded contacts in colle-and components with auxiliary contacts V V Completing components like oils, connectors, V V V Cable management (cable equipment database) V V V V PLC I/O manager V<			✓	
Contact numer display for colls			✓	✓
Automatic contact: numbering of colls-and components with auxiliary contacts V V Checking for overleaded contacts in colls-and components with auxiliary contacts V V Cable management (cable equipment database) V V Up (Carding age age database) V V V User definable numbering methods for all elements and references V V V Find and replaces text throughout entire project V V V V Inastion of pages gaps V V V V V V V V V V V V V V V V <td></td> <td></td> <td></td> <td></td>				
Support of automatic renumbering the contacts • • Completing components like colls, multileval terminals, connectors, •				
Completing components like cols, multilevel terminals, connectors, V V Cable management (cable equipment database) V V Handling of deck terminals, Management of connectors V V FLC UD manager V V Organize diagrams in folde shutures V V Function/coation management - graphical function/location boxes V V Wre directions display and editing V V User definable numbering method for all elements and references V V End and replace text throughout entire project V V Duplicate component name check V V Carphica late lipe in nubuling space cores - Wing list V V Part list sorted by function/location V V Graphica latelip ein nubuling space cores - Wing list V V Part list sorted by function/location (gip by ethics (wire numbering in several formats (only 5 in standard level) V V Auto Concection V V V V Draw orthogonal multi-pole wires V V V Conserveference navigator (go to) with marking function (come from) V V <td></td> <td></td> <td>\checkmark</td> <td>✓</td>			\checkmark	✓
Cable management (cable equipment database) V Handling of dek terminals, Management of connectors V Handling of dek terminals, Management of connectors V Clobb management / cable equipment database) V Organize diagrams in folder structures V Function/ocation management / apphical function/location boxes V Wire directions display and editing V User definible numbering method for all elements and references V Find and replace text throughout entire project V Insertion of pages and deletion of pages gaps V Duplicate component name check V Part lass stored by function/location of up to ten bridge types V Graphical terminal plan with automatic detection of up to ten bridge types V Graphical terminal plan with automatic detection of up to ten bridge types V Graphical terminal plan with automatic detection of up to ten bridge types V Graphical terminal plan with automatic detection of up to ten bridge types V Graphical displan management with predefined signal properties /wire numbering in several formats (only 5 in standard level) V Auto Connection V V Praw orthogonal multi-pole wines V	Checking for overloaded contacts in coils-and components with auxiliary contacts			
Handling of deck terminals, Management of connectors V V PLC 100 manager V V Organize diagrams in folder structures V V Function/location management - graphical function/location boxes V V Function/location management - graphical function/location boxes V V Vier directions dipplay and acting V V User definable numbering method for all elements and references V V Final and replace text throughout entire project V V Insertion of pages and deletion of page gaps V V Duplicatic component name check V V Database adtiors (single entry editing) V V Graphical teminal plan with automatic detection of up to ten bridge types V V Graphical single plan including space cores - Wring list V V Part list sorted by function/location V V V Craphical single plan including space cores - Wring list V V V Part list sorted by function/location dignal properties /wire numbering in several formats (only 5 in standard lewsh) V V V Natio Semetion <td< td=""><td></td><td></td><td></td><td></td></td<>				
PLC 100 marager V V Organize diagrams in folder structures V V Function/location management + graphical function/location boxes V V Wre directions display and editing V V User definable numbering method for all elements and references V V End and replace text throughout entre project V V Duplicate component name check V V Database entors (single entry setting list V V Part list sorted by function/location V V Graphical termina plan with automatic detection of up to ten bridge types V V Graphical termina plan with automatic detection of up to ten bridge types V V Graphical signal management with predefined signal properties /wire numbering in several formats (only 5 in standard level) V V Auto Connection V V				
Organize idiograms in tolder structuresFunction/location management + graphical function/location boxesFunction/location management + graphical function/location boxesWire directions display and editingUser definable numbering method for all elements and referencesFind and replace text throughout entire project </td <td></td> <td></td> <td></td> <td></td>				
Wire directions display and editing Image: Constraint and the end of an all elements and references User definable numbering method for all elements and references Image: Constraint and the elements and references Find and replace text throughout entire project Image: Constraint and the elements and references Diatabase editors (single entry editing) Image: Constraint and the elements Oraphical cabits plan including spare cores + Wiring list Image: Constraint and the elements Part list sorted by function/location Image: Constraint and the elements Oraphical cabits plan including spare cores + Wiring list Image: Constraint and the elements Part list sorted by function/location Image: Constraint and the elements Oraphical cabits plan including spare cores + Wiring list Image: Constraint and the elements Part list sorted by function/location Image: Constraint and the project Oraphical cabits plan including spare cores + Wiring list Image: Constraint and the elements Navagatori from Database and specific Graphical lists to drawings Image: Constraint and specific Graphical lists to drawings Database manager for functions/locations/products /products (aspects) including ability to manage nested Image: Configure project tree allowing for custom graphical and atdabase lists User defined lists and components Image: Configure project tree allowing for custom graphical and the project Configure project tree allowing for ustom graphical and th			\checkmark	\checkmark
User definable numbering method for all elements and references User definable numbering method for all elements and references V V Find and replace text throughout entite project V V Insertion of pages gaps V V Duplicate component name check V V Database editors (single entry editing) V V Graphical terminal plan with automatic detection of up to ten bridge types V V Graphical cable plan including spare cores + Wiring list V V Part list storted by functor/hocation V V Graphical signal management with predefined signal properties /wire numbering in several formats (only 5 in standard level) V V Auto Connection V V V V Draw orthogonal multi-pole wires V V V Cross-reference analygator (go to) with marking function (come from) V V V Navigation from Database and specific Graphical lists to drawings V V V Database manager for functions/fonducts /products (aspects) including ability to manage nested V V V Orifigure project tree allowing tor custom graphical and database lists V V	Function/location management + graphical function/location boxes		· · · · · · · · · · · · · · · · · · ·	
Find and replace text throughout entrie project V V Insertion of pages and deletion of pages gaps V V Duplicate component name check V V Database editors (single entry editing) V V Graphical terminal plan with automatic detection of up to ten bridge types V V Graphical terminal plan mut game cores + Wiring list V V Part list sorted by function/location V V Standard levell V V Auto Connection V V Draw orthogonal multi-pole wires V V Cross-reference navigator (go to) with marking function (come from) V V Navigation from Database and specific Graphical lists to drawings V V Database manager for functions/locations/products /products (aspects) including ability to manage nested aspecits V V PLC operands numbered automatically in several available formats + Importing of PLC assignment lists in V V Configure project tree allowing for custom graphical and database lists V V V User defined lists and components V V V V V Confi				
Insertion of pages and deletion of pages gaps U U U Insertion of pages and deletion of pages gaps U U U U U U U U U U U U U U U U U U U				
Duplicate component name check ✓ Database editors (single entry editing) ✓ Graphical terminal plan with automatic detection of up to ten bridge types ✓ Part list sorted by function/location ✓ Graphical tendie plan including spare cores + Wiring list ✓ Part list sorted by function/location ✓ Graphical signal management with predefined signal properties /wire numbering in several formats (only 5 in standard level) ✓ Auto Connection ✓ ✓ Draw orthogonal multi-pole wires ✓ ✓ Cross-reference navigator (go to) with marking function (come from) ✓ ✓ Navigation from Database and specific Graphical lists to drawings ✓ ✓ Database manager for functions/locations/products (aspects) including ability to manage nested aspecific Graphical and database lists ✓ ✓ PLC operands numbered automatically in several available formats + Importing of PLC assignment lists in Microsoft Excel® format ✓ ✓ Configuration of multicores (within single wire connections) ✓ ✓ ✓ Changing of page templates for an entire project or a part of the project ✓ ✓ ✓ Conguration of multicores and all sheets of a loder between projects ✓			· · · · · · · · · · · · · · · · · · ·	
Graphical terminal plan with automatic detection of up to ten bridge types ✓ Graphical terminal plan with automatic detection of up to ten bridge types ✓ Graphical terminal plan with automatic detection of up to ten bridge types ✓ Graphical cable plan including spare cores + Wiring list ✓ Brat list sorted by function/location ✓ Graphical signal management with predefined signal properties /wire numbering in several formats (only 5 in standard level) ✓ Auto Connection ✓ Draw orthogonal multi-pole wires ✓ Cross-reference navigator (go to) with marking function (come form) ✓ Navigation from Database and specific Graphical lists to drawings ✓ Database manager for functions/locations/products /products (aspects) including ability to manage nested aspects ✓ Nicrosoft Excel® format ✓ Configure project tree allowing for custom graphical and database lists ✓ User defined lists and components ✓ Configure project tree allowing for custom graphical stonections) ✓ Changing of page templates for an entire project or a part of the project ✓ Conguration of multicores (lediting of several entries at once) ✓ Renumbering of entite terminal stori, nortuning tow ploture plan			\checkmark	\checkmark
Graphical cable plan including spare cores + Wiring list Image: Constraint of the second				
Part list sorted by function/location Image: Control of Contrect of Control of Control of Control of Control				
Caraptical signal management with predefined signal properties /wire numbering in several formats (only 5 in standard level) Image of the second standard level) Auto Connection Image of the second standard level) Image of the second standard level) Draw orthogonal multi-pole wires Image of the second standard level) Image of the second standard level) Draw orthogonal multi-pole wires Image of the second standard level) Image of the second standard level) Database manager for functions/locations/products /products (aspects) including ability to manage nested aspects Image of the second standard level) DLC operands numbered automatically in several available formats + Importing of PLC assignment lists in Microsoft Excel® format Image of the second standard level) Configure project tree allowing for custom graphical and database lists Image of the second standard level is and components Image of the second standard level is and components Configure project tree allowing for custom graphical and the project Image of the project of a loter between project or a part of the project Image of the second standard level is and components Configure project tree allowing of several entries at once) Image of the second standard level is the second standard standard level is the second standard			· · · · · · · · · · · · · · · · · · ·	
Standard level) Image: Construction of the project of a part of the project Draw orthogonal multi-pole wires Image: Construction of the project of the				
Draw orthogonal multi-pole wires ✓ Cross-reference navigator (go to) with marking function (come from) ✓ Navigation from Database and specific Graphical lists to drawings ✓ Database manager for functions/products /products (aspects) including ability to manage nested aspects ✓ PLC operands numbered automatically in several available formats + Importing of PLC assignment lists in Microsoft Excel® format ✓ Configures project tree allowing for custom graphical and database lists ✓ User defined lists and components ✓ Configuration of multicores (within single wire connections) ✓ Changing of page templates for an entire project or a part of the project ✓ Cony multiple pages and all sheets of a folder between projects ✓ Advanced database editors (editing of several entries at once) ✓ Renumbering of entire terminal strips, renumbering of cables ✓ Insert components/terminals not in drawing by list ✓ Terminal plan with graphics and terminal row picture plan ✓ Cable terminal row plan ✓ Connector matrix and plan ✓ Generate all necessary graphical lists in one shot ✓ Product assembly list + Compressed BOM + Device list ✓ Databa				
Cross-reference analgaber (go to) with marking function (come from) Image: Cross-reference analgaber (go to) with marking function (come from) Navigation from Database and specific Graphical lists to drawings Image: Cross-reference analgaber (go to) with marking function (come from) Database manager for functions/locations/products /products (aspects) including ability to manage nested aspects Image: Cross-reference analgaber (come from) PLC operands numbered automatically in several available formats + Importing of PLC assignment lists in Microsoft Excel® format Image: Cross-reference analgaber (come from) User defined lists and components Image: Cross-reference analgaber (come from) Image: Cross-reference analgaber (come from) Configure project tree allowing for custom graphical and database lists Image: Cross-reference analgaber (come from) Image: Cross-reference analgaber (come from) User defined lists and components Image: Cross-reference analgaber (come from) Image: Cross-reference analgaber (come from) Image: Cross-reference analgaber (come from) Configuration of multicores (within single wire connections) Image: Cross-reference analgaber (come from) Image: Cross-reference (come from) Image:				
Navigation from Database and specific Graphical lists to drawings Image: transmission of the transmission of transmission of the transmissi				
aspects PLC operands numbered automatically in several available formats + Importing of PLC assignment lists in Microsoft Excel® format Important = Configure project free allowing for custom graphical and database lists User defined lists and components Important = Configuration of multicores (within single wire connections) Configuration of multicores (within single wire connections) Important = Configuration of multicores (within single wire connections) Changing of page templates for an entire project or a part of the project Important = Configuration of multicores (within go several entries at once) Advanced database editors (editing of several entries at once) Important = Configuration of narring of eables Insert components/terminals not in drawing by list Important = Configuration of page Terminal plan with graphics and terminal row picture plan Important = Configuration of page Conbector matrix and plan Important = Configuration of page Generate all necessary graphical lists in one shot Important = Configuration of management Product assembly list + Compressed BOM + Device list Important = Configuration = Configuratio				
PLC operands numbered automatically in several available formats + Importing of PLC assignment lists in Importance Configure project tree allowing for custom graphical and database lists Importance User defined lists and components Importance Configuration of multicores (within single wire connections) Importance Changing of page templates for an entire project or a part of the project Importance Copy multiple pages and all sheets of a folder between projects Importance Advanced database editors (editing of several entries at once) Importance Renumbering of entire terminal strips, renumbering of cables Importance Insert components/terminals not in drawing by list Importance Cable terminal row plan Importance Connector matrix and plan Importance Generate all necessary graphical lists in one shot Importance Product assembly list + Compressed BOM + Device list Importance Database list with texts from callouts: usable for revision management Importance Find and replace symbols throughout current page or entire project Importance				✓
Configure project tree allowing for custom graphical and database listsImage: configuration of multicores (within single wire connections)User defined lists and componentsImage: configuration of multicores (within single wire connections)Image: configuration of multicores (within single wire connections)Changing of page templates for an entire project or a part of the projectImage: configuration of multicores (within single wire connections)Image: configuration of multicores (within single wire connections)Changing of page templates for an entire project or a part of the projectImage: configuration of multicores (within single wire connections)Copy multiple pages and all sheets of a folder between projectsImage: configuration of multicores (within single wire connections)Advanced database editors (editing of several entries at once)Image: configuration of entire terminal strips, renumbering of cablesRenumbering of entire terminal strips, renumbering of cablesImage: configuration of multicores (with graphics and terminal row picture planInsert components/terminals not in drawing by listImage: configuration of planTerminal plan with graphics and terminal row picture planImage: configuration of planCable terminal row planImage: configuration of planConnector matrix and planImage: configuration of planGenerate all necessary graphical lists in one shotImage: configuration of provision managementProduct assembly list + Compressed BOM + Device listImage: configuration of provision managementDatabase list with texts from callouts: usable for revision managementImage: configuration of provision managementFind and re	PLC operands numbered automatically in several available formats + Importing of PLC assignment lists in			✓
Configuration of multicores (within single wire connections)Image: Configuration of multicores (within single wire connections)Changing of page templates for an entire project or a part of the projectImage: Copy multiple pages and all sheets of a folder between projectsAdvanced database editors (editing of several entries at once)Image: Components/terminal strips, renumbering of cablesRenumbering of entire terminal strips, renumbering of cablesImage: Components/terminals not in drawing by listInsert components/terminals not in drawing by listImage: Connector matrix and planConnector matrix and planImage: Connector matrix and planGenerate all necessary graphical lists in one shotImage: Components/terminal lists in one shotProduct assembly list + Compressed BOM + Device listImage: Components/terminal plan with texts from callouts: usable for revision managementFind and replace symbols throughout current page or entire projectImage: Components/terminal plan with texts from callouts: usable for revision management	Configure project tree allowing for custom graphical and database lists			
Changing of page templates for an entire project or a part of the project Image: Changing of page templates for an entire project or a part of the project Copy multiple pages and all sheets of a folder between projects Image: Components of the project or a part of part or a part of project or a part of part or a part of the project or a part of part or a part of the project or a part of part or a part of part or a part or a part of part or a part or a part of part or a part of part or a part or a part of part or a part or a part of part or a				
Copy multiple pages and all sheets of a folder between projects Image: comparison of a folder between projects Advanced database editors (editing of several entries at once) Image: comparison of entire terminal strips, renumbering of cables Insert components/terminals not in drawing by list Image: comparison of entire terminal row picture plan Cable terminal row plan Image: comparison of entire terminal row picture plan Connector matrix and plan Image: comparison of entire terminal row picture plan Generate all necessary graphical lists in one shot Image: comparison of entire terminal row plane entire terminal row plane entire terminal plan with texts from callouts: usable for revision management Product assembly list + Compressed BOM + Device list Image: comparison entire terminal row plane entire project				
Advanced database editors (editing of several entries at once) Image: Components of entire terminal strips, renumbering of cables Insert components/terminals not in drawing by list Image: Components of entire terminal row picture plan Terminal plan with graphics and terminal row picture plan Image: Components of entire terminal row picture plan Cable terminal row plan Image: Components of entire terminal row plan Connector matrix and plan Image: Components of entire terminal row plan Generate all necessary graphical lists in one shot Image: Components of entire terminal row plan Product assembly list + Compressed BOM + Device list Image: Component entire terminal row plan Database list with texts from callouts: usable for revision management Image: Component entire project				
Insert components/terminals not in drawing by list Insert components/terminals not in drawing by list Cable terminal row plan Connector matrix and p				
Terminal plan with graphics and terminal row picture plan Image: Cable terminal row plan Cable terminal row plan Image: Compact register and plan Connector matrix and plan Image: Compact register and plan Generate all necessary graphical lists in one shot Image: Compact register and plan Product assembly list + Compressed BOM + Device list Image: Compact register and replace symbols throughout current page or entire project Find and replace symbols throughout current page or entire project Image: Compact register and replace symbols throughout current page or entire project				
Cable terminal row plan Image: Cable terminal row plan Cable terminal row plan Image: Cable terminal row plan Connector matrix and plan Image: Cable terminal row plan Generate all necessary graphical lists in one shot Image: Cable terminal row plan Product assembly list + Compressed BOM + Device list Image: Cable terminal row plan Database list with texts from callouts: usable for revision management Image: Cable terminal row plan Find and replace symbols throughout current page or entire project Image: Cable terminal row plan				
Connector matrix and plan Image: Connector matrix and plan Generate all necessary graphical lists in one shot Image: Connector matrix and plan Product assembly list + Compressed BOM + Device list Image: Connector matrix and plan Database list with texts from callouts: usable for revision management Image: Connector matrix and plan Find and replace symbols throughout current page or entire project Image: Connector matrix and plan				
Generate all necessary graphical lists in one shot Image: Compressed BOM + Device list Product assembly list + Compressed BOM + Device list Image: Compressed BOM + Device list Database list with texts from callouts: usable for revision management Image: Compressed BOM + Device list Find and replace symbols throughout current page or entire project Image: Compressed BOM + Device list				
Database list with texts from callouts: usable for revision management ✓ Find and replace symbols throughout current page or entire project ✓				✓
Find and replace symbols throughout current page or entire project				
List and label editor				\sim
DWG/DXF/DXB multi-import and SVG/DWF multi-export				



IGE+XAO Group 16 boulevard Déodat de Séverac - CS 90312 31773 COLOMIERS CEDEX - France Ph : +33(0)5 62 74 36 36 Fax : +33(0)5 62 74 36 37