elec calc | bim

Design and size your electrical installations in an Open BIM process

Innovation for electrical design in OpenBIM

elec calc BIM is a multi-standard software designed to meet the requirements of electrical design professionals. It enables the integration and managementof all voltage domains - high voltage (HV), low voltage (LV) and direct current (DC) - within a single senvironment and a unified synoptic. This approach facilitates design and optimizes the coordination of electrical installations in an Open BIM process based on a digital model.

elec calc BIM is :

- **Multistandard software**: IEC, NF C15-100, NF C13-200, NEN, RGIE/AREI, VDE, NIBT, REBT, BS
- Management of **all voltage ranges in the same SLD:** HV, LV and DC
- **Multimanufacturer catalogue** available for all components and coordination management
- **Real-time** calculation and power balance
- Management and simulation of **operating modes**
- **Automatic** creation of the single line diagram in **PDF or DWG**
- **BCF** report
- Import of revisions with **verification analysis**

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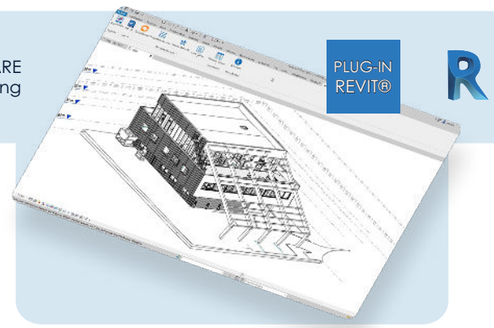
elec calc BIM is a unique software solution for integrating electrical calculations into an Open BIM process. Based on the IFC and BDF collaborative formats, the software makes it possible to design an electrical installation from a BIM digital model and collaborate with all project stakeholders.

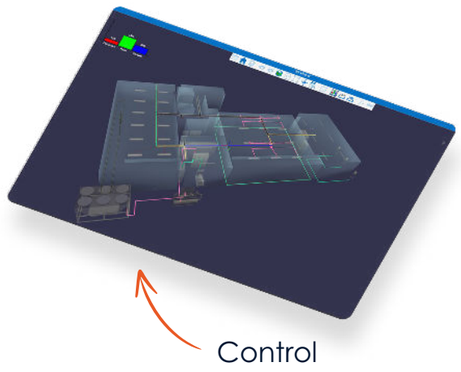
Export to the digital model for data synchronisation.

ARCHITECTURAL SOFTWARE
3D modeling



AUTODESK® REVIT®

Import the 3D model in IFC 4 format and the declared electrical circuits.



Control

5. Optimization

Checking the sizing of cable trays:

- Occupancy rate
- Linear weight for support

1. Interoperability

- Detection of object typologies thanks to IFC families and Omniclass numbers (lighting, motor...)
- Automatic recognition of the routing network (cable trays, ducts, etc.)
- Manual recovery if necessary

Import

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COLLABORATIVE TOOLS

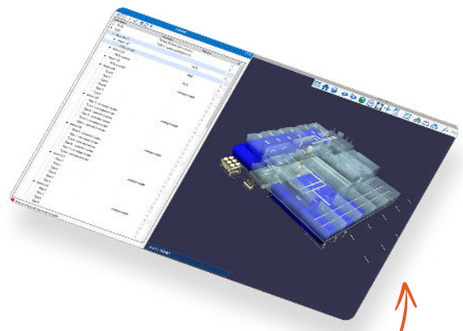
Sizing

4. Polyvalence

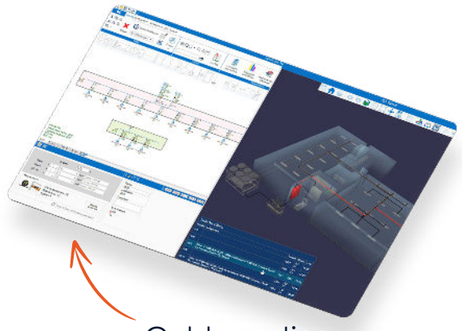
- Sizing the HV-LV installation and assigning references to all components (protection, lighting, plugs, motors, transformers, UPS)
- Power balance and coordination
- management

2. Productivity

- Declaration of the circuits in the viewer and the IFC explorer to generate the one-line diagram or association of the components of a single line diagram with the model
- Creation of circuits automatically from the location



Synoptic creation



Cable routing

3. Performance

- Automatic cable routing with segregation management, junction boxes, recovery of lengths in the single line diagram
- Possibility to add manual routes

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Electricity joins the virtuous circle of BIM

Trace Software services

- Hotline, ticket or phone support
- Request Manufacturer References
- Webinars & video tutorials
- Product Updates
- Online or face-to-face training

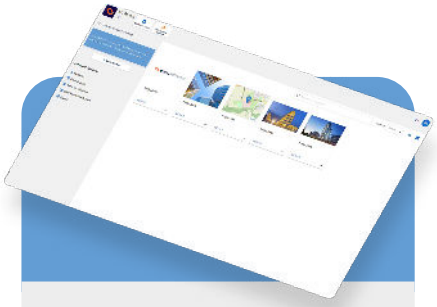
ELIE BT

The software is referenced by the Elie BT brand of GIMELEC, ensuring the compliance of calculations and their recognition by all control offices.

Discover the elec calc range:

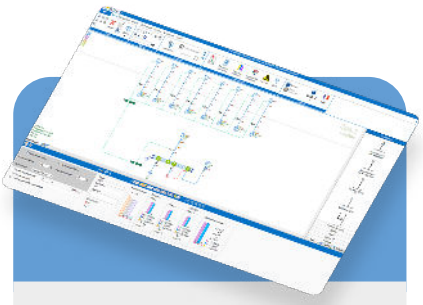
elec calc | grid

Size and simulate power grids with multiple synchronised sources



elec calc | project

Collaborate effectively on your electrical projects thanks to a business platform



elec calc | solar

Size your photovoltaic projects, from solar panels to EV charging stations