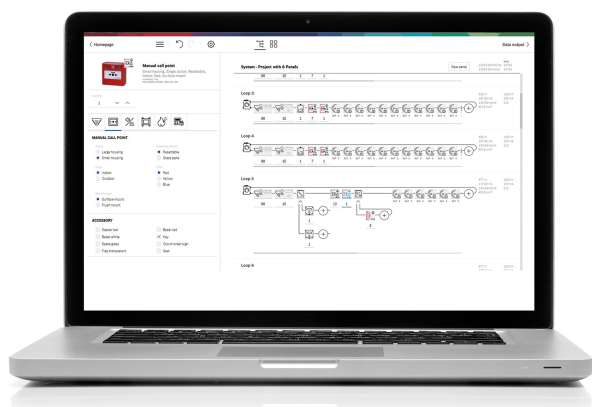


# FSD-SSD-APP Safety Systems Designer

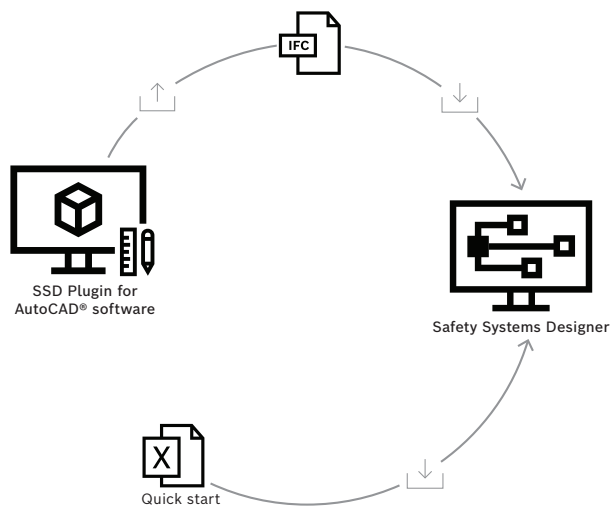
## AVENAR design



The Safety Systems Designer is a comprehensive planning solution for rapid configuration of EN 54 fire alarm systems.

It supports the planning activities of architects, planners, specifiers, distributors and system integrators at different stages of a fire alarm project.

### System overview



- ▶ Easy-to-use tool thanks to generic terminology as well as intuitive and fast navigation
- ▶ Reliable planning thanks to constant plausibility check of the system limits
- ▶ Optimized monitored planning thanks to transparent feedback and close to reality visualization of the system
- ▶ Available in 19 languages (user interface and data outputs): Bulgarian, Croatian, Czech, Dutch, English, French, German, Greek, Hungarian, Italian, Polish, Portuguese, Romanian, Russian, Turkish, Serbian, Spanish, Albanian, Slovenian
- ▶ Free of charge

### Functions

#### Quick start

Based on the provided Excel import template, the total quantities of addressable and conventional peripherals in a system can be rapidly imported to Safety Systems Designer. The quick start import feature allows to automatically and evenly distribute these peripherals to the minimum number of required loops and panels.

#### Import from AutoCAD® software

By using the SSD plugin for AutoCAD® software, the total quantity of fire peripherals designed in AutoCAD® software, including their eventual assignment to panels and/or loops, is saved in an IFC file that can be easily imported to Safety Systems Designer.

#### Faster planning

A large set of predefined export templates is provided so that the planning documentation can be generated with one click.

The following data outputs are available to be exported to Excel:

- Bill of material outputs in different formats and with different grouping (by category, by panel, by module, combined)

- Panels parameters and battery calculation outputs including a.o. for each panel the defined standby and alarm time, total standby and alarm current, set buffer and the resulting total required backup capacity

- Detailed loops parameters output with a.o. an overview for each loop of the cable specification, total standby and alarm current, recommended and potential loop length, voltage drop

- Auxiliary power sources output listing all 4-wire devices and their selected auxiliary power supply source

For planners and specifiers a manufacturer neutral tender text output of the entire configured fire alarm system can be exported as Word document. Furthermore drawing outputs of the entire fire alarm system and its networking configuration are provided.

**Optimized monitored planning**

Each configuration is immediately reflected at the user interface which ensures a transparent feedback on the current state of the planning and anytime a close to reality visualization of the full fire alarm system.

For a structured overview, each panel, loop and panel module can be given a user-defined and appropriate name.

Details of the selected product are displayed in a preview of the product selection area, including a direct link to the related datasheet.

**Reliable planning**

The key indicators are visualized, showing the maximum capacity versus the current state which is instantly updated with each configuration step:

- at system level the total number of detection points and loop elements

- at panel level the total number of detection points, loop elements and panel modules

- at loop level the total current consumption, quantity of loop elements, loop length and used loop cable diameter.

Rising above any of the system limits is reported to the user with a direct link to the source of error.

Moreover, based on the specified number of peripherals and further system elements, the housing components and required number of batteries are automatically calculated.

**Networking planning**

All needed components to network the system nodes and panel interfaces are automatically added based on the project settings:

- selected technology, e.g. CAN bus (copper), ethernet cable (copper) or ethernet cable (fiber optic, single or multi mode)

- distance between the panels, remote keypads and panel interfaces

- number of used ethernet ports

Each conflict with any of the system or technology limits is reported to the user with a direct link to the source of error.

**User friendly installation and operation**

A simple Setup Assistant guides through the installation in a few steps with no activation of the local admin rights required.

Thanks to generic terminology as well as intuitive and fast navigation the tool can be used immediately.

**Available in many languages**

The user interface and data outputs are available in 19 languages:

Bulgarian, Croatian, Czech, Dutch, English, French, German, Greek, Hungarian, Italian, Polish, Portuguese, Romanian, Russian, Turkish, Serbian, Spanish, Albanian, Slovenian.

**Parts included**

Quantity	Component
1	Safety Systems Designer

**Technical specifications**

**Hardware Preconditions**

- Processor: Dual-core 2.5 GHz
- RAM: 3 GB.
- Network card 100 Mbps
- Monitor resolution: 1920x1080 pixel (Minimum 1366x768 pixel)

**Software Preconditions**

- Windows 10 Pro and Enterprise (64 Bit, version 22H2)
- Windows 11 Pro and Enterprise (64 Bit, version 23H2)
- .NET Framework from version 4.8
- Other Preconditions: Internet Connection

**Use latest software**

Before using the software for the first time, make sure that you install the latest applicable release of the software version. For consistent functionality, compatibility, performance, and security, regularly update the software throughout the operational life.

**Ordering information**

**FSD-SSD-APP Safety Systems Designer**

Order number **FSD-SSD-APP**

**Accessories**

**FSD-CAD-BASE SSD Plugin for AutoCAD® software**

For automated data transfer between AutoCAD® software and Safety Systems Designer.

Order number **FSD-CAD-BASE**

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