

“Ecodial Advance Calculation 4” sizing software

The reference tool for  
electrical installations  
compliant and  
performant



# Ecodial Advance Calculation 4

## The new generation of electrical installation

“Ecodial Advance Calculation 4” is the 4th generation of electrical installation sizing software, distinguished by its ergonomics and the strict compliance with standards of the recommended products, and the possibility of managing electrical installation operating constraints.

### Functions at the service of your expertise

Ecodial Advance Calculation 4 is structured around workspaces. Each workspace corresponds to a strategic step in your study: design, calculation, diagnostic and report.

It lets you go one step further in optimising the solution, by managing installation operating modes (multisource supply, seasonality, load shedding, etc.), automatically proposing a number of protection alternatives, allowing manual product selection, to name but a few possibilities.

No more unpleasant surprises after calculating! Ecodial Advance Calculation 4 notifies you in real time of any errors or inconsistencies on the diagram (power, polarity, earthing system, etc.).

### Installation and calculation standards leader

Non-compliant installation: never!

Ecodial Advance Calculation 4 guarantees solutions that conform to the very latest applicable standards.

A non-compliant installation diagram will be automatically reported by the software.

As part of an extension, Ecodial Advance Calculation 4 checks the conformity of the existing installation, will automatically identify blocking points (non-compliant components) and will suggest appropriate updated products.



#### 1 User-friendliness and intuitiveness

The behaviour of the single-line diagram zone is comparable to that of the diagram design and creation aided tools that are normally used.

Creating diagrams and zooming or moving around in the workspace is as simple as it is intuitive.

A complete symbol library is also available.

#### 2 "Operating mode" function

This function lets you manage the electrical installation operating constraints.

For example: seasonal activity (summer/winter mode), electrical supply mode (main/standby operation, load shedding), etc.

Ecodial Advance Calculation 4 will automatically take these parameters into account in the calculation.



#### 3 Quick access to the cable and protection schedule

All the components making up the solution – protection devices, cables, switchboard, MV source, transformer, busbar, etc. – are presented in a spreadsheet.

The input parameters and alternative solutions for each product are also accessible from this spreadsheet.

# ation design tools

aid tools. Besides its technical performance, Ecodial Advance Calculation 4 stands out as a reliable solution. It incorporates advanced functions such as, in particular,

## A comprehensive, up-to-date product catalogue

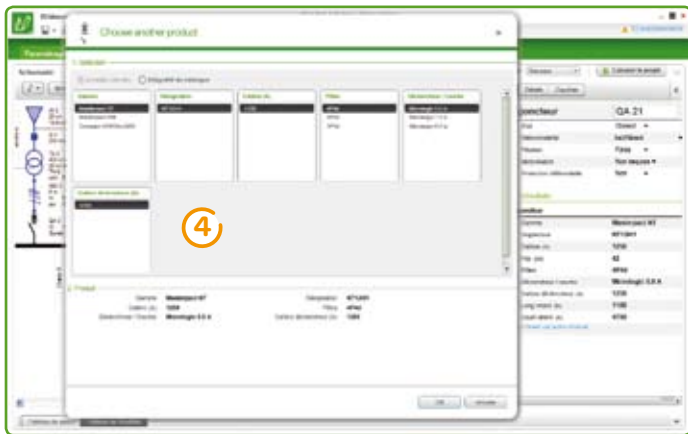
With Ecodial Advance Calculation 4 you have the guarantee of a consistent combination of the various installation components (co-ordination, compatibility between switchgear and switchboard, etc.), based on the latest Schneider Electric product generations.

You will benefit at all times from standard-compliant and high-performance offers, including the new Acti 9 circuit-breaker range.

## For new and existing installations

Adapted for both the design of new electrical installations and for the extension of existing installations, the **Ecodial Advance Calculation 4** software can help you at each step: during design and calculation, to quickly evaluate the type of protection and the LV wiring systems cross-section, to validate technical choices, to implement the installation.

It is a tool genuinely at the service of your expertise and for solution optimisation.



### 4 A clear presentation of all the solutions

The calculated alternative solutions are presented in a choice window.

This window also lets you access all the available catalogue products to facilitate the description of the existing installations.



### 5 Direct viewing of discrimination

This space is dedicated to representation of protection curves. It lets you view discrimination and customise setting of the protection devices within the limits of conformity.



# Unequalled benefits



## For you

### Time savings and increased productivity

- > User-friendly and intuitive software.
- > Verification of electrical network consistency prior to calculation of solutions.
- > Errors reported and identified on the single-line diagram.
- > Calculation reports and information immediately usable (deliverables ready to use: single Word document, printable and convertible to PDF).

### High added value level

- > Consideration of the installation operating modes and the need for continuity of supply.
- > Consistency of choices between calculated switchgear and proposed equipment (for example: compatibility between switchgear and switchboard or Canalis).
- > Harmonisation of the protection schedule:  
Ecodial Advance Calculation 4 lets you easily customise the protection choices out of the alternatives.

### Enhanced expert image

- > Compliance with calculation standards: compliance with the CENELEC TR50480 technical report.
- > Compliance with installation standards: non-conformities are automatically reported.
- > Compliance with product standards: all recommended Schneider Electric products comply with applicable standards.
- > Guarantee of having the most up-to-date offers.
- > Complete study file: automatic generation of design notes and cable and protection schedule.

## For your customers

### Shorter design times

- > No time wasted in calculation, search for current products conforming to standards, processing of data and deliverables, etc.

### Installation conforming to applicable standards

- > Complete compliance with calculation and installation standards.
- > Guaranteed safety of persons and equipment.
- > Reworking to conformity of the existing installation.

### Optimised latest generation solution

- > Installation operating constraints and need for continuity of supply are taken into account as from the design stage.
- > Choice of products out of the latest Schneider Electric ranges.



### To procure the Ecodial Advance Calculation 4 software

- > The software is available on CD or by downloading.
- > To procure it, just contact your usual Schneider Electric delegate.

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