

# PanelSet SFN

The new floor-standing modular decarbonized steel enclosures

[se.com/panelset-sfn](https://se.com/panelset-sfn)

Life Is On

**Schneider**  
Electric



Industrial ambient conditions require a range of enclosure suited to the application and easy to install, and multipurpose for:

- Automation & Control
- Electrical Distribution
- Electronic Applications

The Panel**SeT** SFN is a newly designed modular steel floor standing enclosure that is suitable to build panel assemblies.





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# Sustainability





# PanelSeT SFN Floor-standing decarbonized steel enclosure contributes to reduce CO2 emissions

The steel industry is responsible for around 7% of CO<sub>2</sub> emissions globally. This impact has raised the need to develop new low-CO<sub>2</sub> technologies within the years.

To be aligned with climate targets, to boost the preservation of the planet, and to reach 'Net zero' target, the PanelSeT SFN is manufactured with **50% of recycled steel produced with renewable energy sources (wind, solar..)**

It means a 34% reduction in CO<sub>2</sub> emissions versus the previous version which can significantly reduce your carbon footprint and help you to comply easily with the forthcoming and more challenging environmental regulations.



End of life  
**97%** of recyclability



**-34%** CO<sub>2</sub> emissions  
(per enclosure)

**IMPACT**  
Company 

Choosing  
**PanelSeT SFN** can help you to save  
around **31.6** tree seedlings grown  
for **10** years



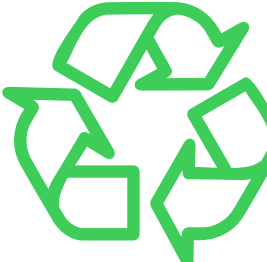
# Sustainable packaging



Significant cancelation of single-use plastic to reduce the amount and type of waste



**100%** recyclable waste helps gain time and money for sorting waste.



**70 - 100%** recycled cardboard source

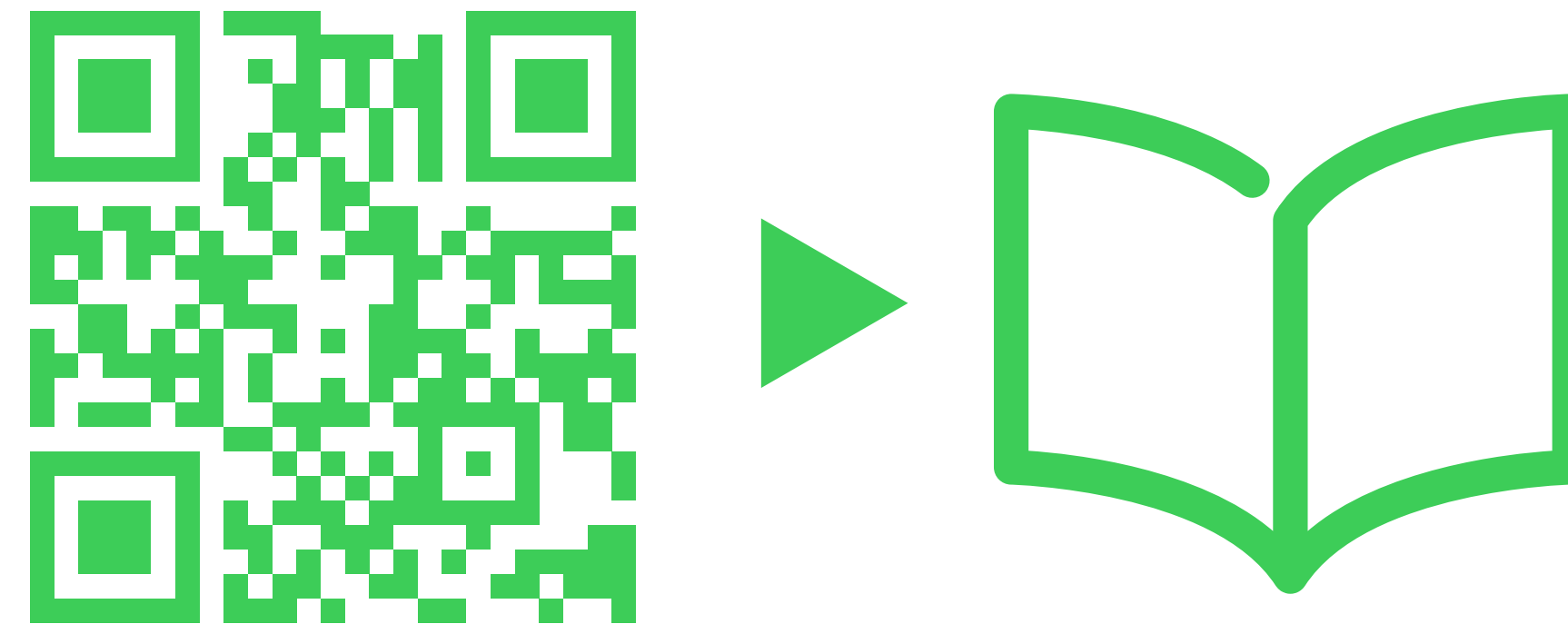




# Sustainable instruction sheets (QR code)

No more systematic printed instruction sheet:  
each package contains one printed leaflet with all  
safety warnings and a link towards digital assembly  
instruction sheet

Digitize documentation and paper waste reduction





# Flexibility





# Unrivalled flexibility in configuring panels

3 procurement options, to match your daily operating conditions, saving work time and maximizing quality:

- Standard (with or without mounting plate / plain or glazed door)
- Kit
- Customized (machining, painting, cubicle assemblies, accessories installations...)

Symmetric concept that allows enclosures to be coupled in any direction and doors to be installed on any side of the enclosure to adapt to available space and comfortable user access.

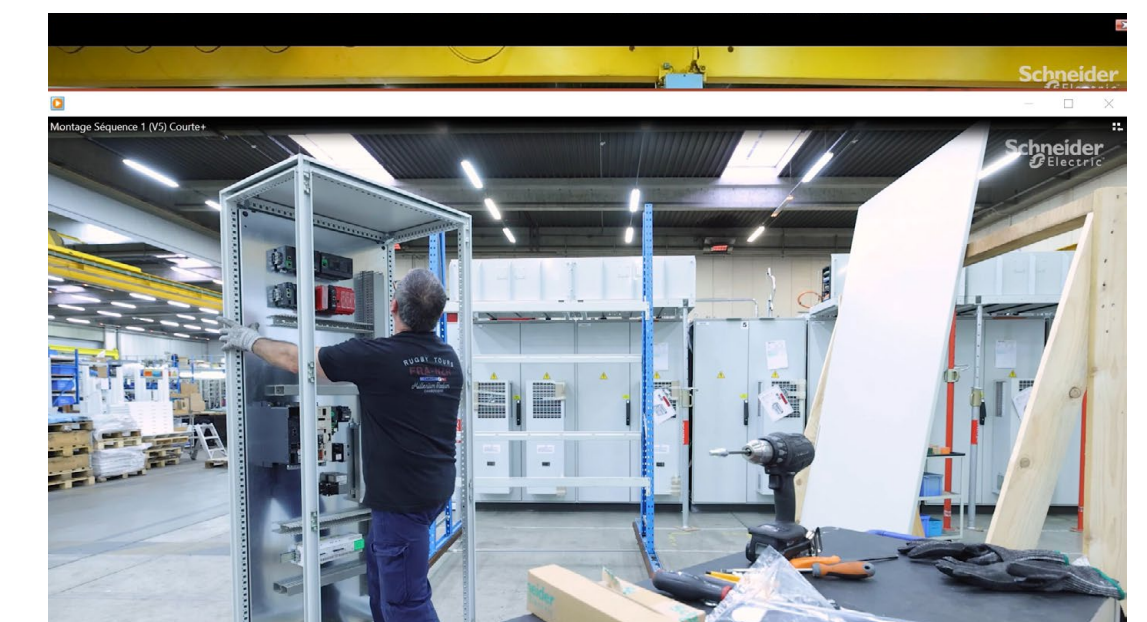
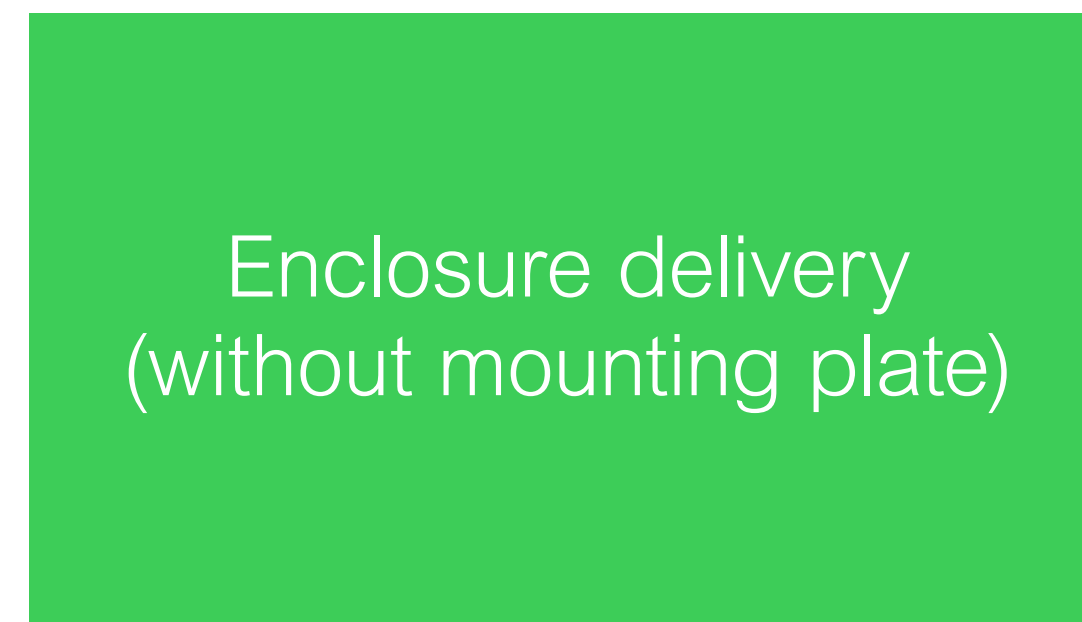
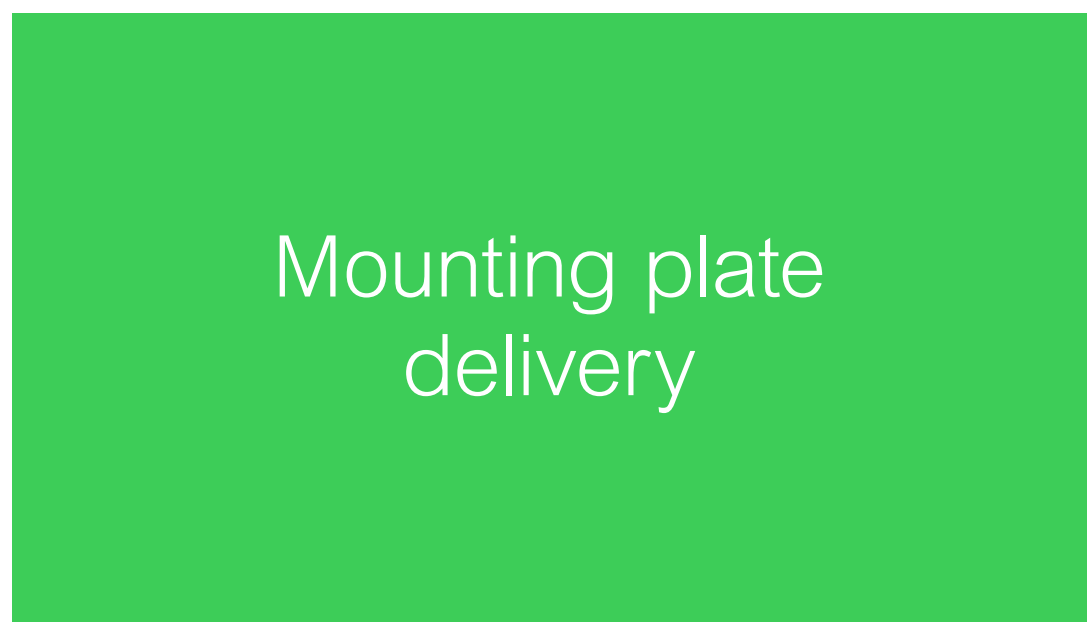
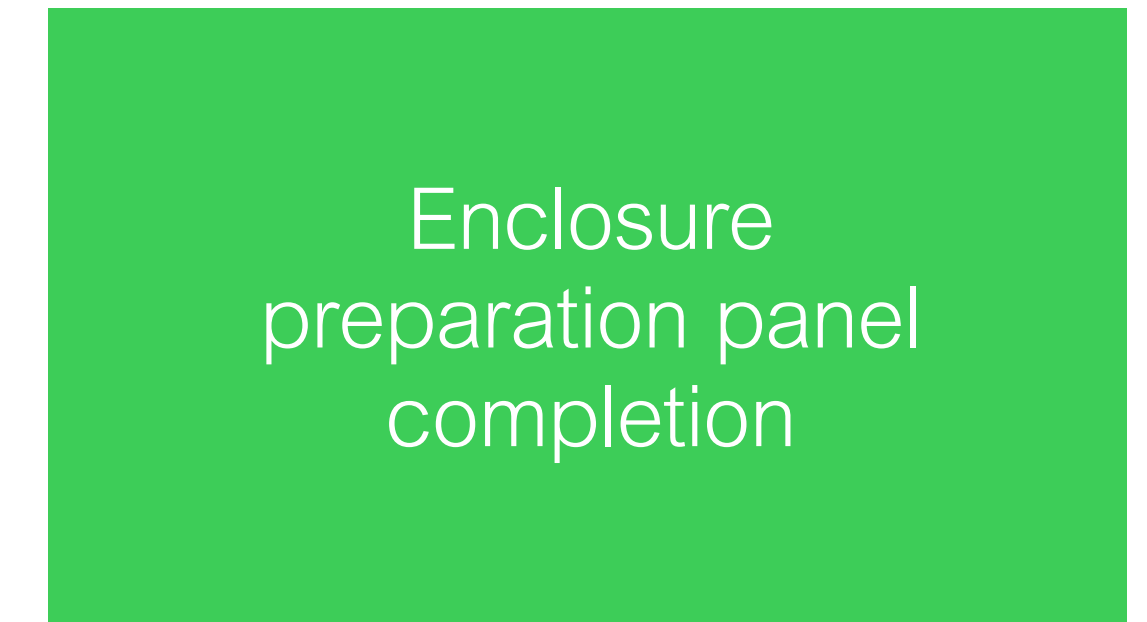
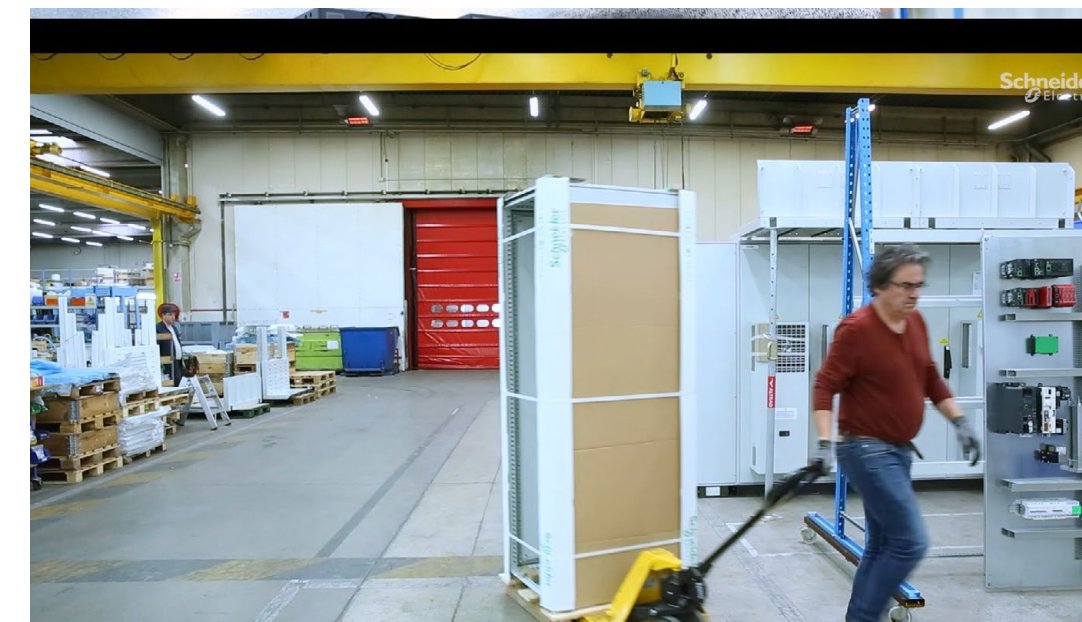
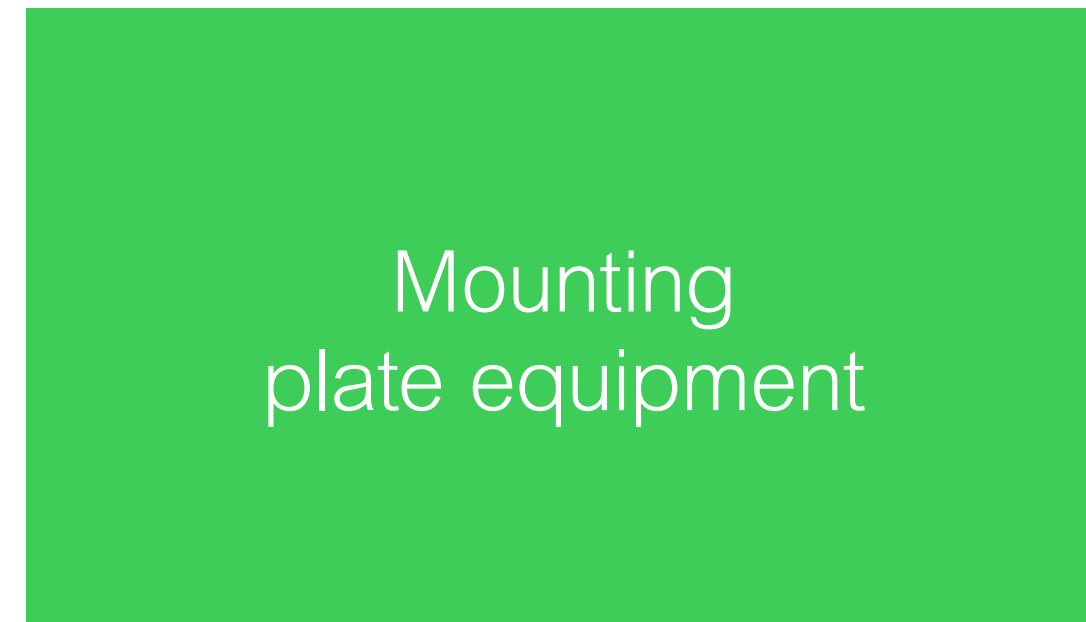




# PanelSeT SFN fully assembled enclosures

Up to 60 dimensions available in different versions to fit customers needs:

- Assembled enclosures **with or without mounting plate**
- **Plain** or **glazed door**
- **Single** or **double door**





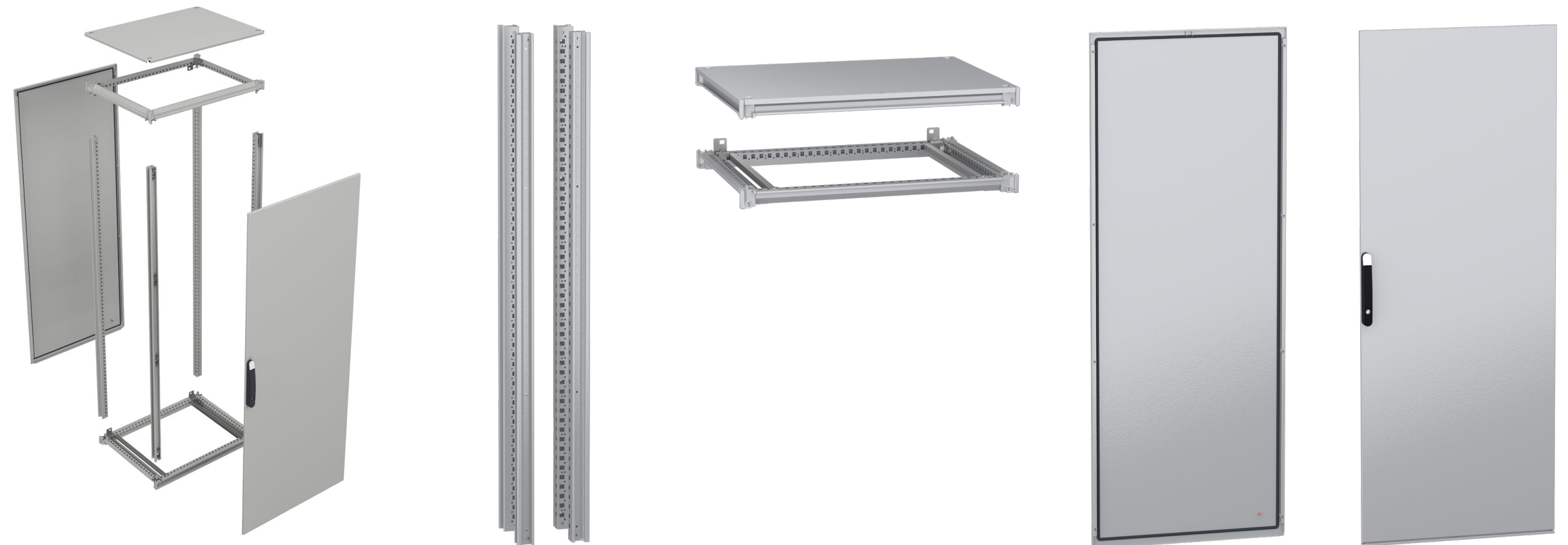
# Panel**SeT** SFN delivered as kit to adapts to customers needs

100 dimensions available with up to 600 possible configurations to fit several needs.

Easily and quickly assembled the Panel**SeT** SFN enclosure by one person.

Maximize availability, ease storage and facilitates transportation.

Reduce surface needed for same number on references.





# Customization services: Saving handwork time, maximizing quality

Your enclosures prepared by Schneider Electric

- Machining
- Painting
- Accessory fittings
- Cubicle assemblies
- Thermal configurations
- Etc.

Up to 1000 dimensions available through customized service to match the available surface.





# Wide range of accessories to support various configuration

Variety of accessories facilitates the configuration and mounting process of an electrical panel

- Panels
- Coupling
- Roofs
- Floor
- Cable management
- Doors
- Locking system
- Others



**Panels**



**Coupling**



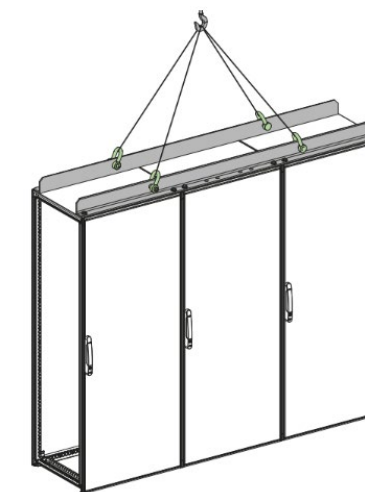
**Roofs**



**Floor**



**Cable entry**



**Lifting**



**Doors**



**Locking**



# Reliability



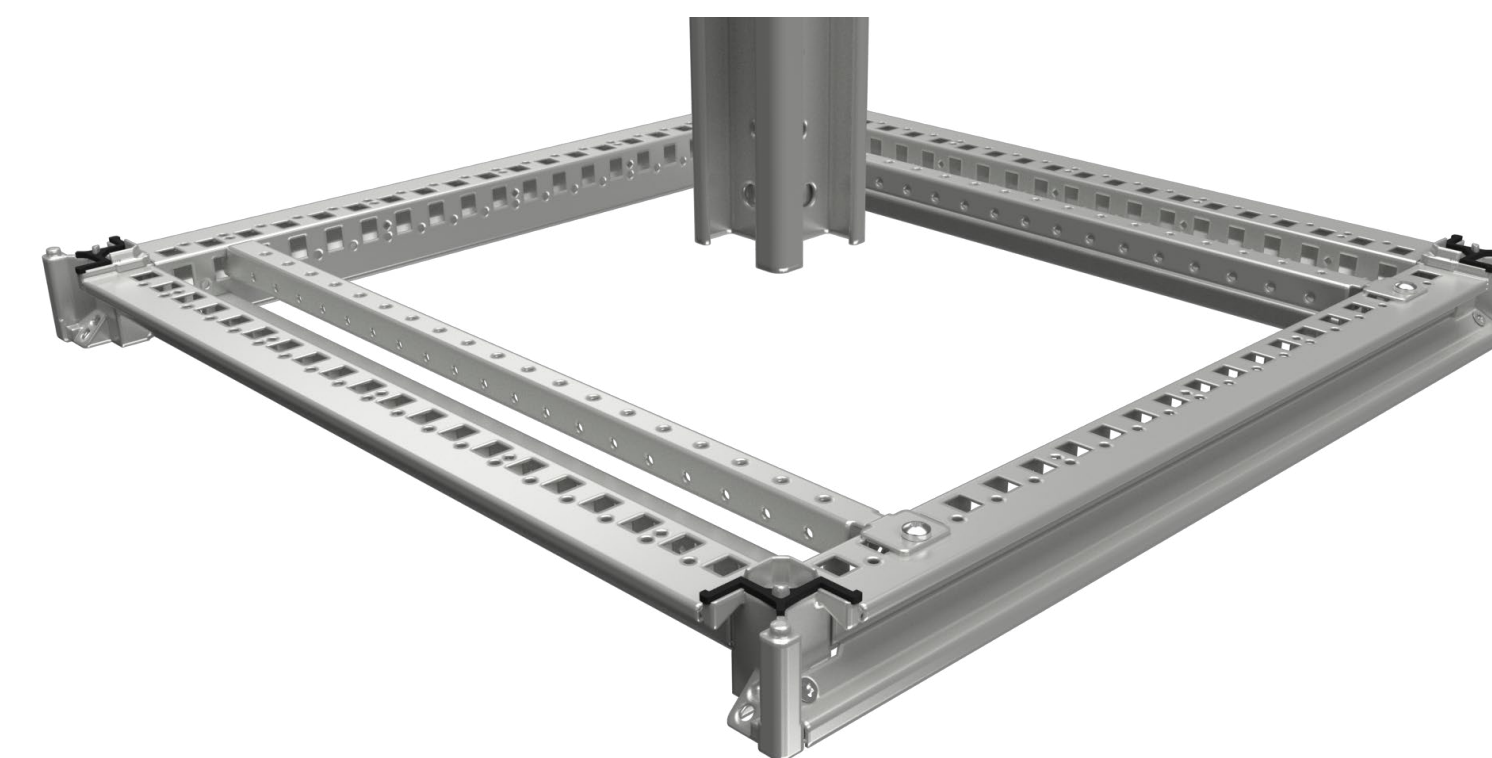


# Bolted structured as strong as a complete welded structure

The improved design of the enclosure reflects its quality and rigidity.

The new patented top and bottom frame, along with a corner fixation system, provides a high level of robustness **capable of withstanding 1500 kg of static load** distributed throughout its volume.

One person can easily and quickly assemble the Panel**SeT** SFN enclosure, achieving maximum rigidity with minimal deformation during transport and installation process.



New Top / Bottom frame shape



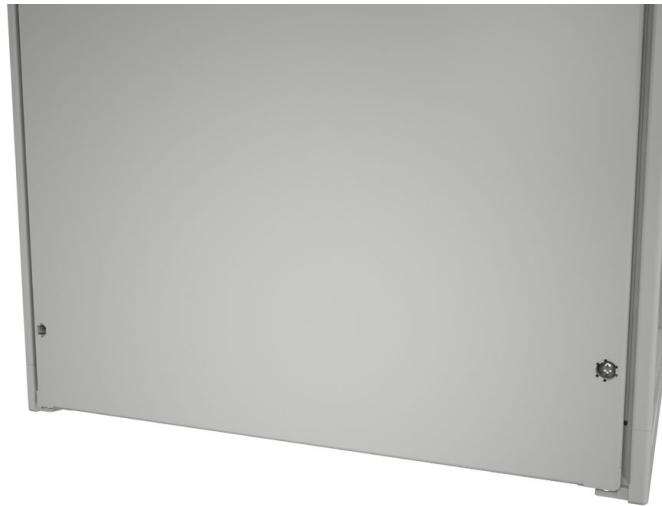
New patented corner & fixation system



# High quality aesthetic panels, for trustworthy and long-lasting end user experience

Extended panels and roof that are visually attractive.

A handle that is both aesthetically pleasing and convenient, with a tag for customer's signature.



## Standard compliance and certification:





# Efficiency





# Enhanced efficiency throughout the entire building process

In today's fast-paced world, time is a precious commodity. An end-to-end digital journey by digitizing every step of a process, allows the save of time and increase efficiency and productivity.

CAD availability

Efficient design and configuration tools to optimize the setup of your panels coping with the common limitations: time, space, accessibility, etc.

[Check the rest of the digital tools](#)



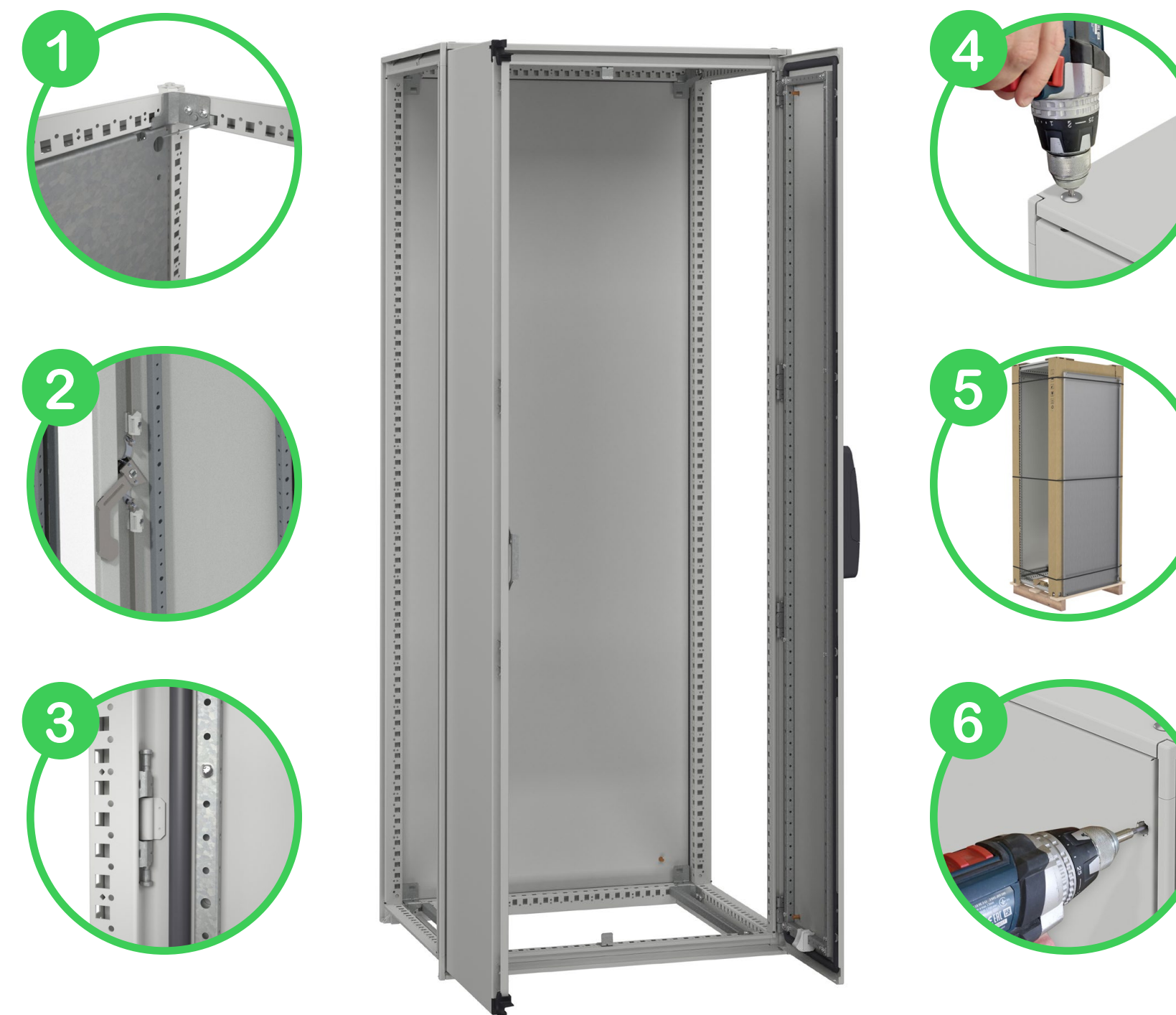
**SEE Electrical**



# Every second counts

Thanks to design evolutions and the addition of new functionalities to the Panel**SeT** SFN enclosure, handwork savings are possible:

- 1** The quick fixation system of the mounting plate securely holds the plate and allows for a single person to perform the final installation.
- 2** Thanks to the central handle on the second door, a single person can easily perform the open-close process with convenience.
- 3** With 6 of the 8 hinge pins already in the open position, the door can be easily removed with just two operations.
- 4** The new roof design, with fewer fixation points, simplifies the assembly process.
- 5** The mounting plate is delivered disassembled for immediate access.
- 6** The side panels have captive screws for quick installation.





# Retrofitting





# Seamless integration and easy retrofitting for users

The frame structure features identical fixation points, ensuring making it:

- Fully couplable with the current Spacial SF version
- Mostly compatible with current Spacial SF's accessories
- Likely compatible with customized accessories designed for current Spacial SF enclosure.





# Connected devices compatibility





# New ClimaSys Cooling Units

**Sustainable** product design and packaging (plastic-free, recycled cardboard, reusable packaging, digital instruction sheet)

**Flexible** customizable offer with 40 multi-standard references (IEC & UL), and 3 mounting types, and small sizes

**Efficient** customer services and product lifecycle with easy-selection (ProClima Web and SEE Electrical), easy-mounting (mounting bracket, light & small CU), easy communication (**native Modbus RTU**, EcoSruXure ready)

**Reliable** connected product with remote info, best-in-class hardware with IP55, UL benefits, 3 redundant modes for critical applications, **very good Energy Efficiency Ratio**

**Improve manufacturing process**  
with reduced production downtime & losses, and quicker corrective and preventive actions





# Digital tools





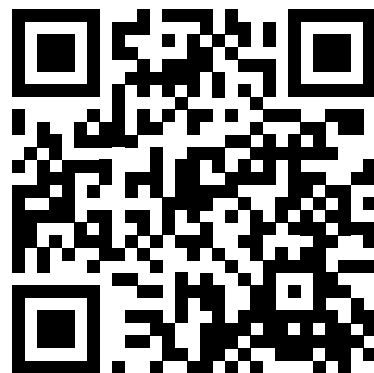
# Custom Enclosure Configurator

For routine customization work, the Custom Enclosure Configurator allows you to adjust the enclosure to your specifications in a couple of minutes. And it provides you with a price quote and delivery lead time.

It's a convenient, simple-to-use tool that gives you a wide variety of options to choose from, from different cutout shapes to paint colors and accessory fittings.

To access the configurator, scan the QR code

Scan or click



The screenshot shows the Schneider Electric Custom Enclosure Configurator web interface. The browser address bar displays "cec-int.se.com/frontend/services". The page title is "Custom Enclosures". The navigation bar includes a toggle for "Spain" and "English", and a user profile for "Joan Porqueras". The main navigation menu is divided into six steps: 1. Enclosure selection, 2. Accessories selection, 3. Painting (highlighted), 4. Cut-outs, 5. Validation, and 6. Project overview. The current configuration is identified as "SFN (Project ID: 1012): NSYSFN208602D (Configuration ID: 1957)".

The interface is divided into three main sections:

- Left Panel:** Contains a "Back to standard color" button, a "List of parts to be painted" section for "NSYSFN208602D" (Description not available), and an "Available colors" grid. The color grid includes RAL 1015, RAL 2003, RAL 6011, RAL 7021, RAL 7032, RAL 7035, RAL 7036, RAL 7037, RAL 7038, RAL 7040, RAL 9001, RAL 9003, RAL 9005, RAL 9016, and RAL 9023.
- Center Panel:** Features a 3D visualization of a grey enclosure door with a handle. To the right of the visualization is a "Visualizing" checklist with items: Sliding Rail, Handle, Roof, Rear Panel, ACCESSORIES, MOUNTING\_DEVICE, Door, and Framework, all of which are checked.
- Right Panel:** Displays the product "NSYSFN208602D" with a quantity of 1. Below this is a "Products" table:
 

Products	Price/Unit
Spacial SFN 2000x800x600	1,702.94 €

 At the bottom of the right panel, the total price is shown as "TOTAL PRICE/UNIT 1702.94 €" and "TOTAL PRICE (x1) 1702.94 €".



# Optimize & Speed up your Design!

with PanelSeT SFN enclosure, ClimaSys cooling units & SEE Electrical eCAD software



### Quick & error free schematics

With best-in class eCAD software SEE Electrical

### Optimized Thermal Management Design

Native interface between **SEE Electrical Thermal calculation** module & Schneider Electric **ProClima Web** to choose the optimized thermal solution in a few fingertips!

New connected ClimaSys offer available!

### Perfect & Easy 3D Configuration

Get easily in CEC your **customized SFN panel incl. Prices & Lead times!**

**Export it in SEE 3D panel +** to complete easily your full **3D digital Twin** with electrical devices & detect interference and **removal of errors from the design stage**

Full Panel**SeT** SFN accessories management for placing system components in details

### Full exact BOM in a few clics!

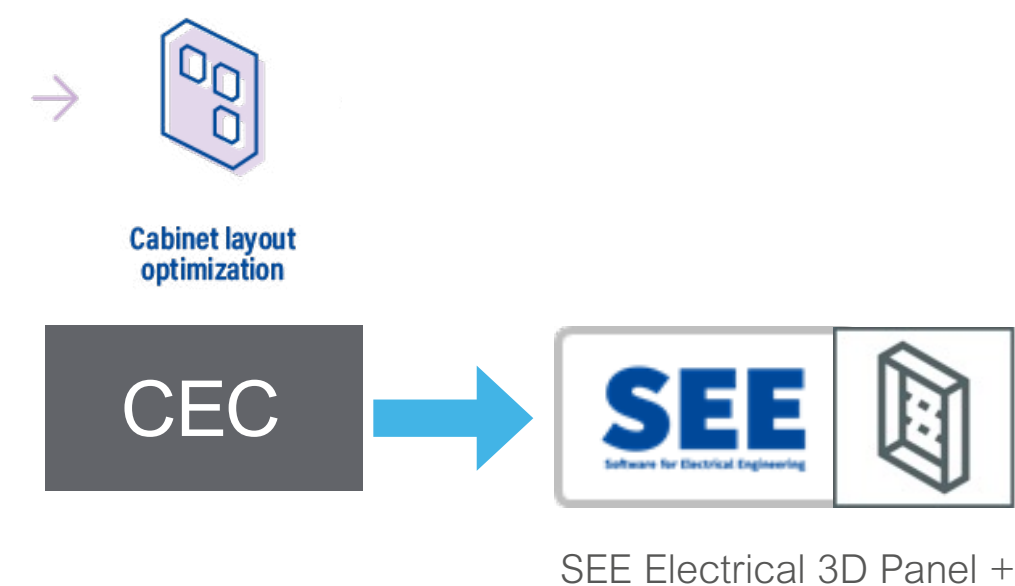
Full UES database including accessories (**2D & 3D**) available through flexible SEE Webcatalogue

Easy updates of old projects (substitution ref in SEE Database)



# Automate...and Reduce manufacturing time!

with PanelSeT SFN enclosure, ClimaSys cooling units & SEE Electrical eCAD software

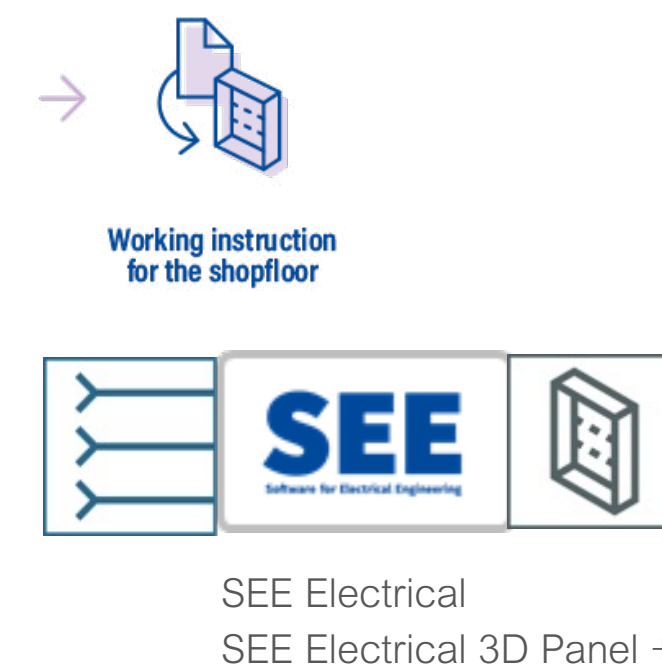


## Quick & cost-effective drilling/cutting thanks to customization services or through your own CNC Machines

Get easily in CEC your **customized drawings to send them directly** to get the cutting done by Schneider Electric

Thanks to the complete digital Twin in SEE 3D panel + export directly precise drawings for control of CNC machines:

Drilling and machining of panels, rails, cable ducts, copper busbars...



## Perfect Data & Documentation to speed up your production & reduce errors in the workshop

Direct link to PanelSeT SFN & ClimaSys datasheets & assembly instructions

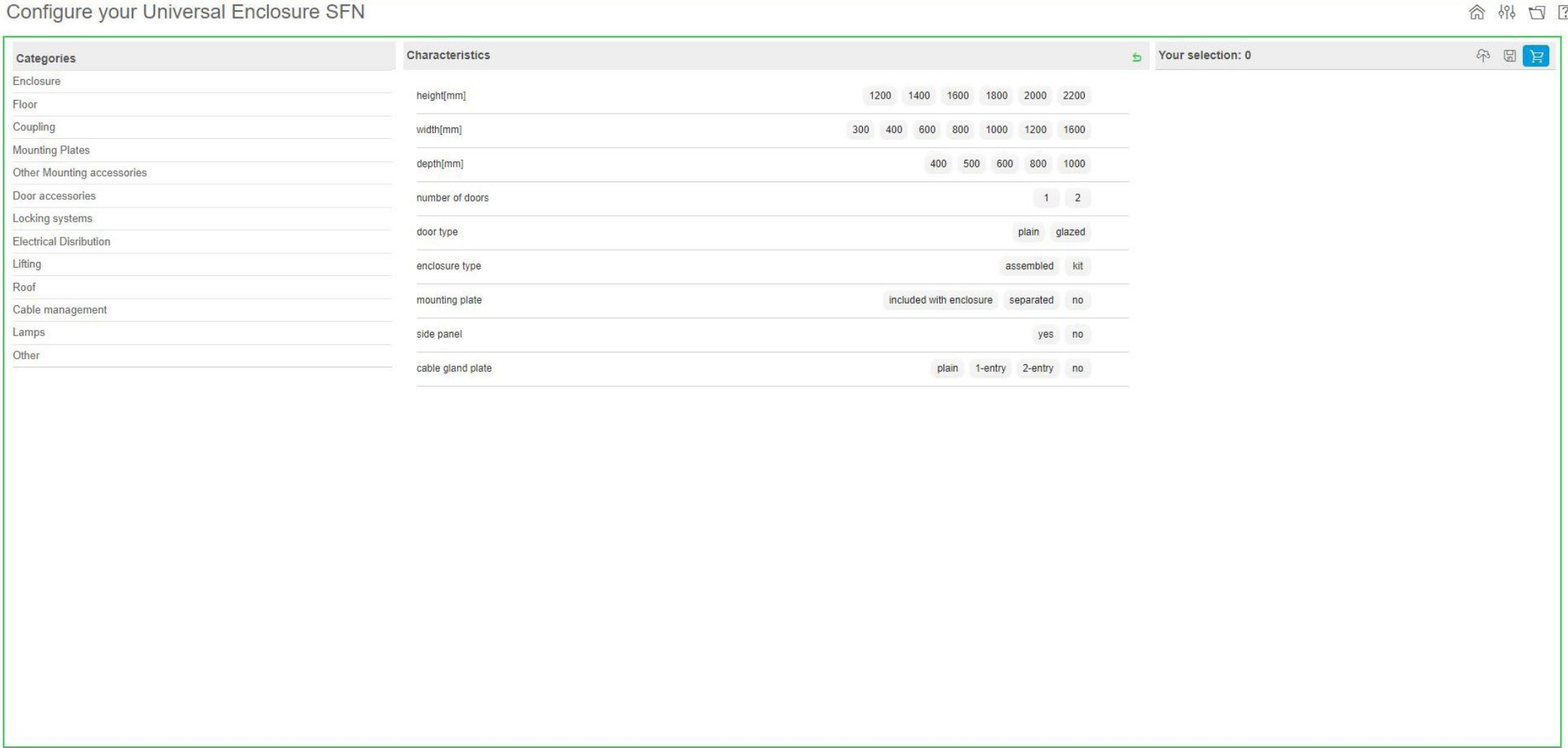
**Automatic wire routing with optimal length determination in SEE 3D Panel +** for operators or to **import in machines for cutting to length, stripping, crimping, sealing, and marking.**



# PanelSeT SFN Product Selector

The Product Selector allow you to select the best components from the current product range. There will be no risk of mistake since product and accessory selection take place automatically, saving you time and money.

Go to [se.com/panelset-sfn](https://se.com/panelset-sfn) and click on **Product Selector**

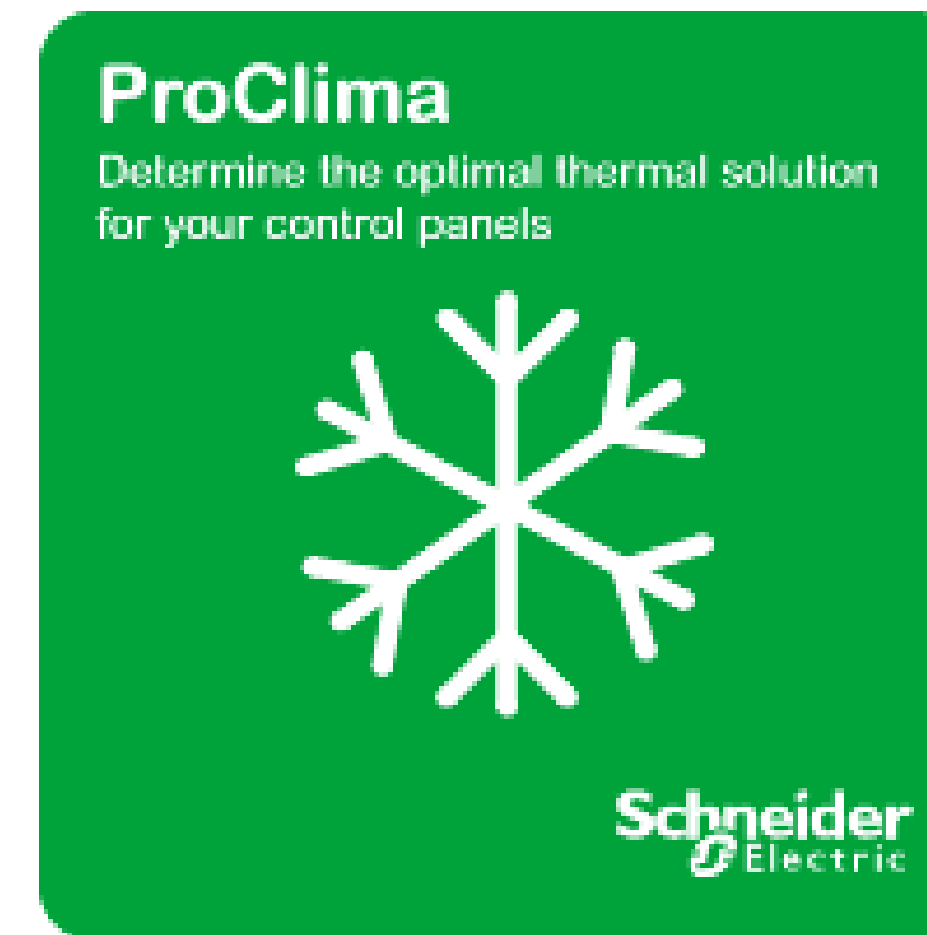




# ProClima thermal software

Find the best thermal solution for you're the Panel**SeT** SFN enclosure

Select and calculate your thermal management requirements according to the environment and the electrical/electronic devices installed in the enclosure.





# Quick access to assets and product information

Simply scan the QR code on the label, or visit our website to obtain comprehensive information on our products:

- A complete library of technical documents, catalogues, FAQs brochures, etc
- Certificates
- 2D and 3D drawings
- Selection Guides from the e-catalogue
- Product discovery sites.
- Others

[se.com/panelset-sfn](https://se.com/panelset-sfn)





# New commercial references





# PanelSeT SFN

## New references: adding an "N" vs. current reference

### Impacted parts:

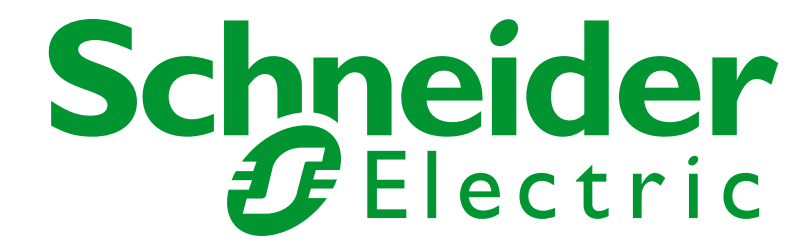
Examples:

Assembled enclosures	Current	NSY	SF		20860	2DP
Uprights	New	NSY	SF	★ N	20860	2DP
Top/bottom frame						
Side & real panels	Current	NSY	SF		206	
Doors	New	NSY	SF	★ N	206	
Handles						
Top busbar chamber						





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