



Increase your panel- building productivity

Spacial and Thalassa
enclosure customization services

se.com/enclosures

Life Is On

Schneider
Electric



Cut time and costs while improving quality

Enclosure preparation takes precious time away from actual panel building. Drilling cutouts for pushbuttons, light indicators, and cable entries, adding device-fitting plates and cable glands – all of this is important, precise work, but it's not a big value add.

The same is true of finishing touches, like milling, deburring, and painting. These take a significant amount of time and manual labor, and achieving a high-quality final result can be a challenge.

That's where Schneider Electric's Spacial and Thalassa enclosure customization services fit in. We can insource the low-value customization work and get it done quickly for you. That way your enclosures are ready for wiring when they arrive, saving you time and reducing costs, while also improving the quality of your panels.



Tap into the power of our industrial equipment

We're already manufacturing more than **3 million** enclosures a year, across about **6,000** different product references.

Here's how your enclosures are prepared

To achieve the highest quality and precision, the same consistent look and feel across different enclosures in a series, as well as quick lead times, all of the customization work is done with high-performance industrial equipment.

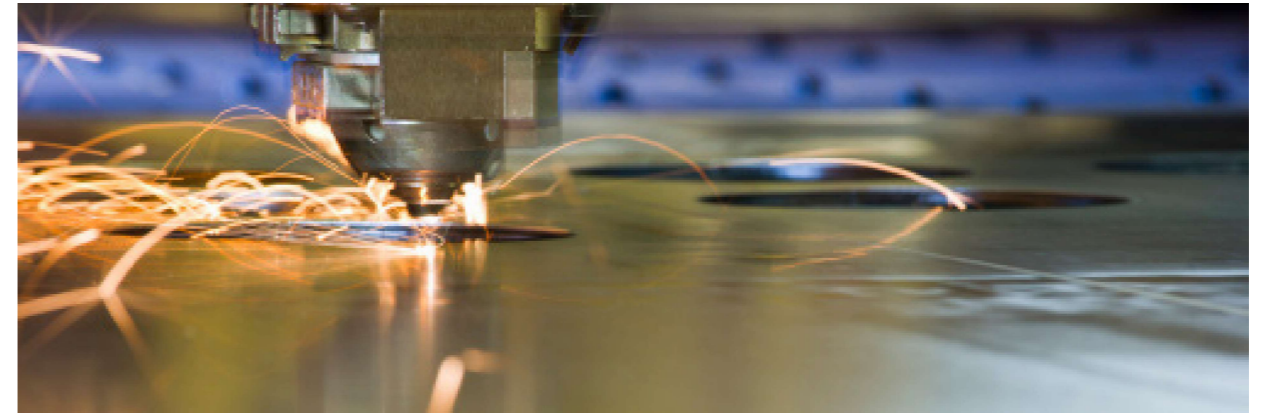


Non-electrical tasks can make up about **15–20%** of panel assembly time.

*Based on customer information. This may not reflect your particular circumstances.

Cutouts

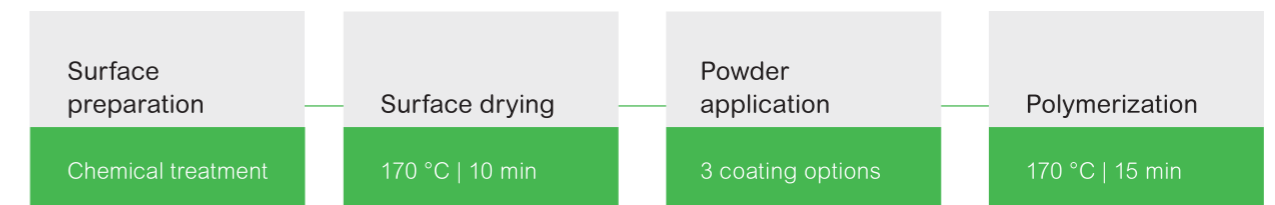
Cutouts are created with digitally-controlled laser or punching machines. This ensures that the position and dimensions of cutouts are accurate and strictly identical across all the enclosures with the same configuration. The cutout edges don't require any touch-ups.



Painting

Painting takes place after the cutouts are created, to ensure flawless coating and anti-rust protection. Gaskets and other accessories are attached after the painting process is complete, which ensures the reliability and durability of the protective layer.

The fully automated painting process takes 2h 30 min.



Accessories

After the painting process is finished, enclosures can be equipped with the desired accessories, saving you even more time.

To see the full list of available accessories for each of the ranges, refer to the dedicated selection guide:
se.com/enclosure-customization-guide



1 Composition accessories
 e.g. coupling spacers, frames

2 Internal accessories
 e.g. mounting plates, chassis, rails, internal doors

3 Settling accessories
 e.g. plinths, pillars, floorstanding kits, wall-fixing lugs

4 Cable entries
 e.g. gland plates, cable glands, membranes, cable guides

5 Side or rear panels and doors
 e.g. internally fixed, externally fixed

6 Hoisting accessories
 e.g. eyebolts, brackets, bars

7 Roof and roof accessories
 e.g., canopies, ventilated canopies, airing elevators

8 Thermal protection accessories
 e.g. airing grids, fans, cooling units, thermostats

9 Doors and door accessories
 e.g. hinges, handles, locks

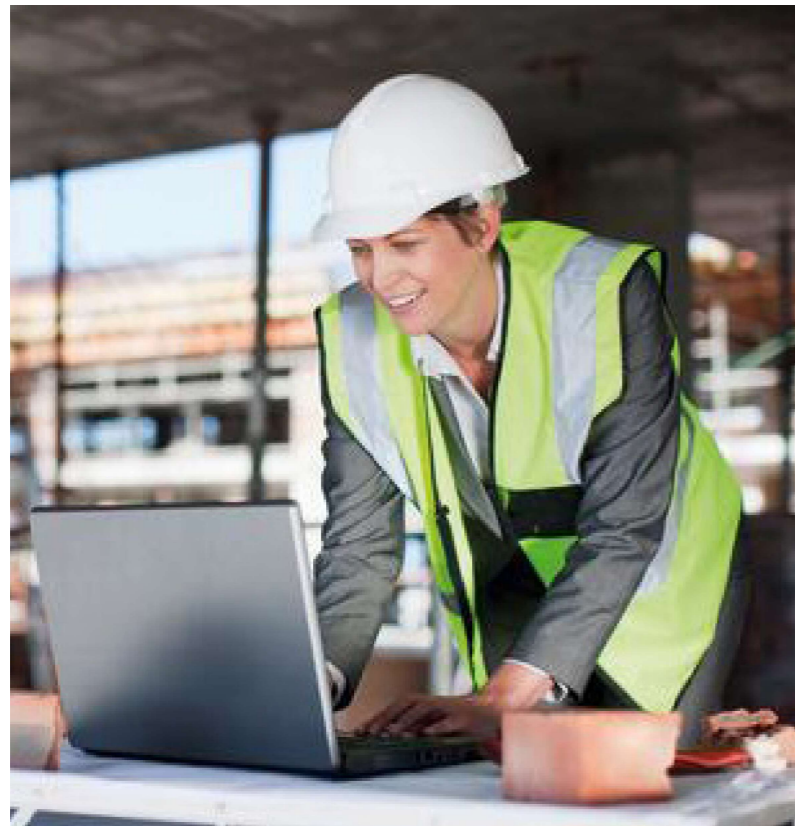


Configure your enclosures entirely online


Specify settings and get a quote in a single tool, and email your order in.

For routine customization work (see next page for advanced customization), 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.

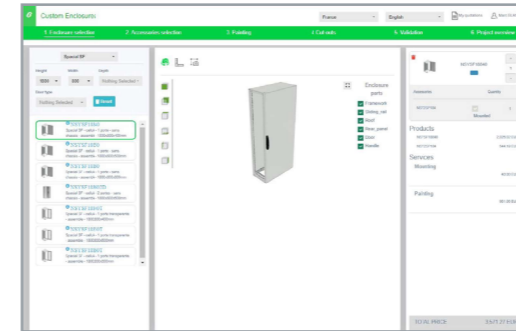


✓ The Custom Enclosure Configurator is a fully automated tool, so your project will be immediately sent to production. To access the configurator, scan the QR code or go to <https://custom-enclosures.se.com/>



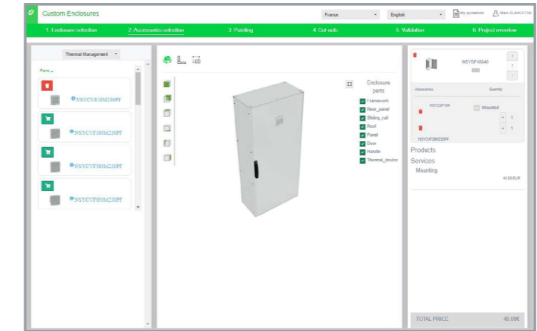
1. Select the enclosure from the catalog

Choose height, width, depth, material, and the degree of protection



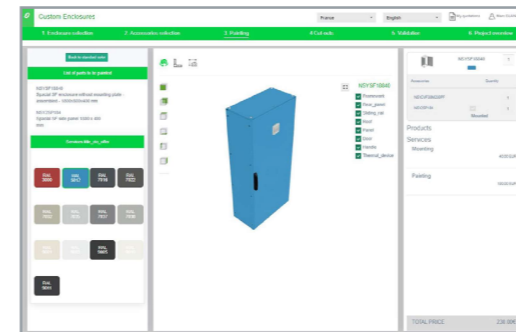
2. Select accessories and mounting options

Add thermal management, cable management, or mounting accessories as needed



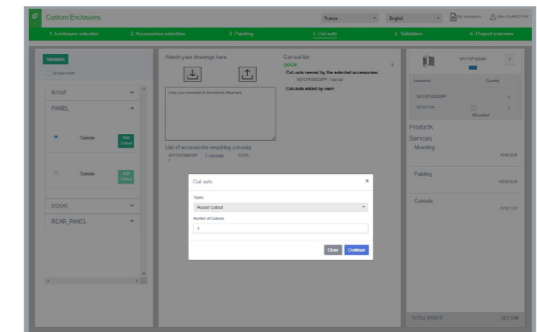
3. Select your color

Pick from 12 available shades



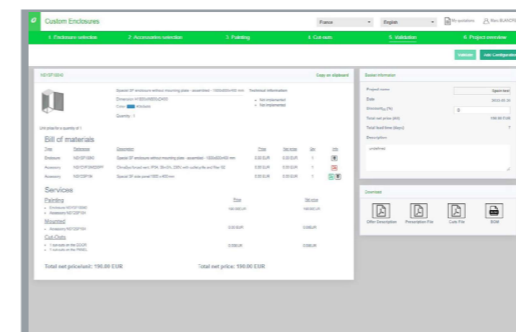
4. Specify cutouts

Choose the cutout locations, shapes, and dimensions



5. Get a price quote and lead time

Confirm your order and send it by email right away



✓ Confirm and place your order right away, without waiting for a confirmation by email or phone

Create customized enclosures with the help of our experts

For non-standard projects requiring advanced customization, a dedicated team of Schneider Electric experts will guide you through the process.

Here's how the advanced customization process looks:

- Provide your specifications
- Get a feasibility study and quotation
- Confirm and place your order
- Manufacturing process gets started
- Quality assessment is performed
- Your product is delivered



Discover how Otech, a French agricultural machine builder, takes advantage of Spacial and Thalassa customization services.



With advanced enclosure customization services, your options are almost unlimited.



Specific dimensions

Unlike the catalog-listed enclosures, width, height and depth can be any multiple of 10 mm for small enclosures, and any multiple of 100 mm for large enclosures.

Assembled enclosures

For electrical panels comprising several cubicles placed side by side, enclosures can be delivered fully assembled, with or without cable paths.

Special-shape cutouts

Create cutouts in any shape you may need, even most complicated shapes.

Thermal studies

Per your request, Schneider Electric experts can ensure the enclosures will provide suitable temperature and humidity conditions for your electrical equipment. To achieve that, the enclosures will be equipped with airing grids, fans, cooling units, or heaters and their controllers.

Surface treatment and serigraphy

To ensure a cohesive look and feel of your panels and machines, you can choose nearly any color of paint, select textures, or add serigraphy printing. Surface treatments include two reinforcement options:

- Anti-corrosion primer layer
- 100% polyester powder for outdoor or harsh industrial environments

Quality control, audits, and certifications

All our enclosure manufacturing sites are ISO 9000 certified, which means strict quality controls along along the industrial processes. Additional quality checks and audits can be set up too, depending on your project's requirements. Conformity declarations or certificates are available on request.

Packaging and delivery

Manufacturing batches can be sized and deliveries scheduled to match your stock and flow requirements. Transportation conditions can be assessed, and reinforced packaging opted for.

Choose the solution that best fits your needs

Spacial and Thalassa customization services are offered for a wide selection of enclosures made with a variety of materials, for applications ranging from electrical distribution and industrial automation to data networks.

Spacial steel enclosures

- Includes enclosures ranging in size from small boxes to large, floor-standing ones
- Robust design for indoor industrial environments
- Protect electrical equipment from dust, oil splashes, impact, and more
- An extensive assortment of accessories available



Spacial stainless steel enclosures

- An optimal solution for environments with hygiene requirements, and for harsh, highly corrosive environments.
- Available in two alloys:
 - 340L – corrosion-resistant and easy to clean, suitable for the food and pharmaceutical industries
 - 316L – offering the highest corrosion resistance, designed for saline and chlorinated environments

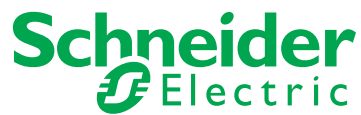


Thalassa insulating-material enclosures

- Designed to protect electrical equipment from highly demanding environments:
 - Made with fiberglass-reinforced polyester for outdoor operation (panels exposed to direct sunlight, rain, salt mist, or extreme temperatures)
 - Made with ABS or polycarbonate for aggressive industrial atmospheres (oil splashes, chemical and corrosive agents)
 - Made with heavy-duty polyester for public outdoor areas



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Learn more about Spacial and Thalassa
customization services



se.com/spacial-thalassa-customization

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