Sigreen

Making Product Carbon Footprints actionable Responding to PCF Requests - Step by Step Guide



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Goal of this guide

If you are new to SiGREEN, this step-by-step guide will help you get started and respond to PCF requests. In this guide you will learn:

- 1) How to sign up to SiGREEN
- 2) How to edit your Configure settings and Company Information
- 3) How to add Products
- 4) How to create and share a PCF Credential

While this is a comprehensive list where you will find the basics on how to get started, you can always use our <u>User Guide</u> for more information.



SiGREEN Process Flow

To get started, the following sequence needs to be followed to successfully respond to PCF request:





As a supplier, you will receive an invitation from your customer inviting you to join SiGREEN.

Note: If you are the first person of your company to sign up, you will become the company admin and will need to accept or deny users in the future. Once you onboard more colleagues to SiGREEN, we recommend having at least two company admins from your company.



1 Open your email

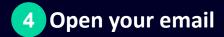
| | Your Customer is inviting you to SiGREEN > Inbox × |
|---------|---|
| SIEMENS | SigREEN 🤡 <no-reply.sigreen @siemens.com=""> to me 👻</no-reply.sigreen> |
| | You have been invited to join SiGREEN by your customer |
| | SiGREEN is our solution to manage your product's actual carbon footprints. |
| | Invite your network, build trust, and share your PCFs easily Click here to register with us. 2 Click |
| | In case of any questions, please directly reply to this mail to reach out to our Service Team. |
| | Let's collectively work towards a greener future! |
| | Siemens AG |
| | Werner-von-Siemens-Str. 1 |
| | 80333 Munich |
| | Germany |
| | 089/38035491 |
| | <u>contact@siemens.com</u> |
| | Siemens Aktiengesellschaft: Chairman of the Supervisory Board: Jim Hagemann Snabe |
| | Managing Board: Roland Busch, Chairman, President and Chief Executive Officer; Cedrik Neike, Matthias Rebellius, Ralf P. Thomas, Judith Wiese |
| | Registered offices: Berlin and Munich, Germany; Commercial registries: Berlin-Charlottenburg, HRB 12300, Munich, HRB 6684 |
| | WEEE-RegNo. DE 23691322 / VAT-ID DE129274202 |
| | |

3 Fill in & Next

| 2 | ontact details to get started |
|---|--|
| with SiGREEN. | |
| First Name | |
| | |
| Last Name | |
| | |
| | |
| Business Email 🕕 | |
| | |
| | ed the <u>Siemens Terms</u> of use, which |
| | mens ID is a service that enables secure her Siemens services and applications. |
| ' | vive marketing information from Siemens |
| based on my personal inter the full consent statement) | ests and give my consent <u>(for details see</u> |
| Cancel | Next |

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Registering on SiGREEN



Welcome to SiGREEN! Inbox ×



Hello Jane.

Y Welcome to Si**GREEN**! Thank you for joining our open ecosystem.

If you are reading this, you've planted a seed for your company. Let's grow it into a beautiful tree together! We are glad to have you on board and to work towards a more sustainable future with you.

As a user of SiGREEN, you are able to create and manage the carbon footprint of your company's products.

You might be a bit overwhelmed by this, so to get started:

- click <u>here</u> for a quick introduction
- and here to complete your registration.

We are working hard to make SiGREEN better every day



So if you have any questions, suggestions or comments, feel free to contact us any time.

Let's collectively work towards a greener future!



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| confirm your new password |
|---------------------------|
| Reset Password |



(D)

-

Choose manufacturer/supplier 7 role

Select the role you are signing up for

I'm a manufacturer/supplier

Select this option if you create, buy, distribute or sell products, or you are a consultant for a company that creates, buys, distributes, or sells products.

I'm a certifier/verifier

Select if you have valid accreditation to verify Product Carbon Footprints or Product Carbon Footprint calculation methodology.

Back Next

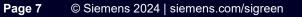


Fill in Company information 8 then next

| Company Name** | | |
|----------------|------------|----------|
| Company Name* | | |
| Business Unit | | |
| business onic | | |
| Industry* | | |
| Contact number | ~ | |
| 030 123456 | ••• | |
| Address Line* | | |
| | | T |
| Address Line 2 | | |
| | | |
| Country* | | |

aware that after successful stration I am responsible for managing REEN user accounts for my company. I also aware, that it is strongly ommended to name a second Company ninistrator as a delegate for me*

*Please note the company name cannot be easily changed. Therefore, it should be applicable for all company entities and **SIEMENS** locations



9 Agree to Siemens Terms of Use

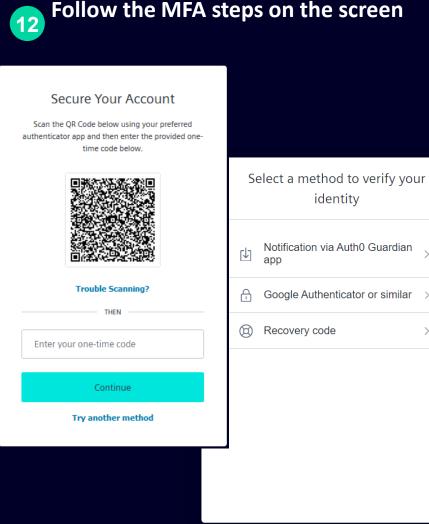
| SIGREEN | SiGREEN Terms of Use |
|---------|---|
| IDunion | To Register with SiGREEN, you'll need to agree to its Terms of Service along with IDunion Terms & Conditions below. |
| l Agree | September 2022 |
| Back | 1. SCOPE |
| | 1.1. Parties. These terms ("SiGREEN Terms " or "Terms ") govern access to and use of the SiGREEN platform including its individual features and functionalities (jointly and individually "SiGREEN" or "Platform ") by the customer that accepted these SiGREEN Terms ("Customer"). These SiGREEN Terms may be accepted in course of the electronic |
| | registration process with SiGREEN. In the registration process, Customer will be |

10 We will receive and approve your request within 1-2 business days. Then Check your email

| | SiGREEN registration complete! Let's get started! Inbox × |
|---------|---|
| SIEMENS | to me 👻 |
| | Hello Jane Doe, |
| | Congrats! Your registration for SiGREEN has been successfully completed! |
| | Now it's time to get started and start sharing your product carbon footprints. |
| | Please click here to get to SiGREEN. |
| | If you have any questions, don't hesitate to check out our user guides here. |
| | Cheers, Your Si GREEN Team |
| | Siemens AG |
| | Werner-von-Siemens-Str. 1 |
| | 80333 Munich |
| | Germany |
| | 089/38035491 |
| | <u>contact@siemens.com</u> |
| | Siemens Aktiengesellschaft: Chairman of the Supervisory Board: Jim Hagemann Snabe |
| | Managing Board: Roland Busch, Chairman, President and Chief Executive Officer; Cedrik Neike, Matthias Rebellius, Ralf P. Thomas, Judith Wiese |

Registered offices: Berlin and Munich, Germany; Commercial registries: Berlin-Charlottenburg, HRB 12300, Munich, HRB 6684 WEEE-Reg.-No. DE 23691322 / VAT-ID DE129274202

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13 Save the Recovery Code securely

Almost There!

Copy this recovery code and keep it somewhere safe. You'll need it if you ever need to log in without your device.

| Q4N1EUWN19DGXNEUSQR7KTQZ |
|----------------------------------|
| |
| Copy code |
| |
| I have safely recorded this code |
| |
| Continue |
| |
| |
| |
| |
| |

This will be a backup recovery code, for other user to use the same profile. If this code is lost, it would make it harder to recover your account.





User Roles in SiGREEN

In SiGREEN there are 4 main user roles:

Company Admin

- Manages the company users and permissions
- Manages manufacturing locations, business units available
- Adds certifiers to the account
- Will have access to the API access configuration

Product Manager

- Shares PCF of a product with company's customers
- Creates products and associated bill of material (BOM) or recipes
- Manages product carbon footprint for a product
- Has the product portfolio view
- Creates, reports and determines product PCF according to specific standards and methodologies

Procurement Manager

- Owns the relationship and communication with suppliers
- Requests PCF for components
- Manages and sets up components and suppliers
- Has the view on component categories, procured components and adds secondary data
- Decides if supplier shared or secondary data is used for the PCF

Factory Manager

• Maintains the data related to own emissions

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 Provides the data sources for own emissions API

Edit Configure Settings Company Admin Controls

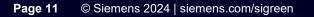


In your Configure Settings, you can do the following:

- 1) Invite Users
- 2) Edit Company Information

Under Company Information the following **mandatory** fields need to be added:

- **1) Product Identifier Types**
- 2) Component Identifier Types
- 3) Supplier Identifier Types





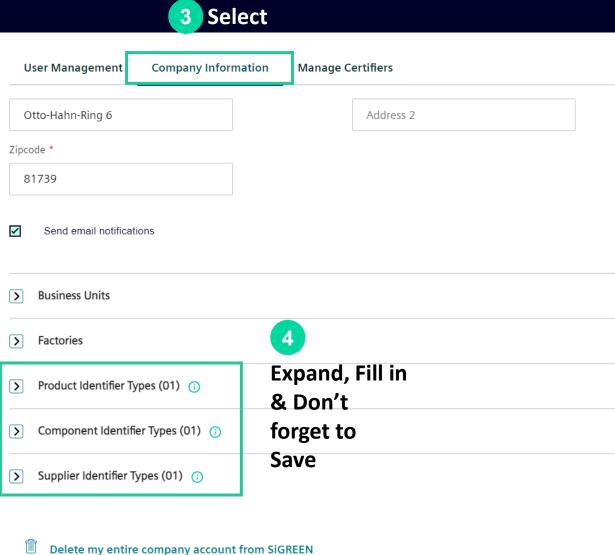
Invite Users Company Admin Controls

| vite Users ompany Adm 3 Select | in Controls | | | 1 | ▲ SiGREEN User Company Admin Product Manager Factory Manager Procurement Manager Procurement Manager Profile Settings ⑦ User Guide & FAQ ☑ Contact Support ☑ Logout | Click | |
|--------------------------------------|----------------------------------|---|---------------|---------|---|-----------------------|---------------|
| User Management | Company Information | Manage Certifiers | | | | | 4 Select |
| (!) As a Company Admin, y | you are responsible for managing | g the user lists according to GDPR requirements | | Filter: | : None 🗸 | ط Download | + Invite User |
| Full Name | Email ID | Role | Business Unit | | Status updated on ↓ _ | Status ↓ , | |
| SiGREEN User | | CA,ProdM,FM,ProcM | | | 09:54 AM 23/Jul/2024 | Active | : |
| | | | | | | | |



Edit Company Information Company Admin Controls

| | | | | User Management | Company Informatic | on Manage C | ertifiers |
|---|--|------------|---|-----------------------|--------------------|--------------------|-----------|
| Ĵ | L + 🄅 | SU 1 Click | | Otto-Hahn-Ring 6 | | | Address 2 |
| | SiGREEN User | | Z | pcode * | | | |
| | Company Admin Product Manager Factory Manager Procurement Manager | | | Send email notificat | tions | | |
| Ę | 🕅 Configure | 2 Select | | Business Units | | | |
| ද | 🔉 Profile Settings | | | Factories | | 4 | |
| 0 | | _ | | Product Identifier T | ypes (01) (| Expand, & Don't | |
| | Contact Support | - | | Component Identif | ier Types (01) (| forget to | |
| | | | | Supplier Identifier 1 | īypes (01) (| Save | |
| | | | | | | | |



Delete my entire company account from SiGREEN



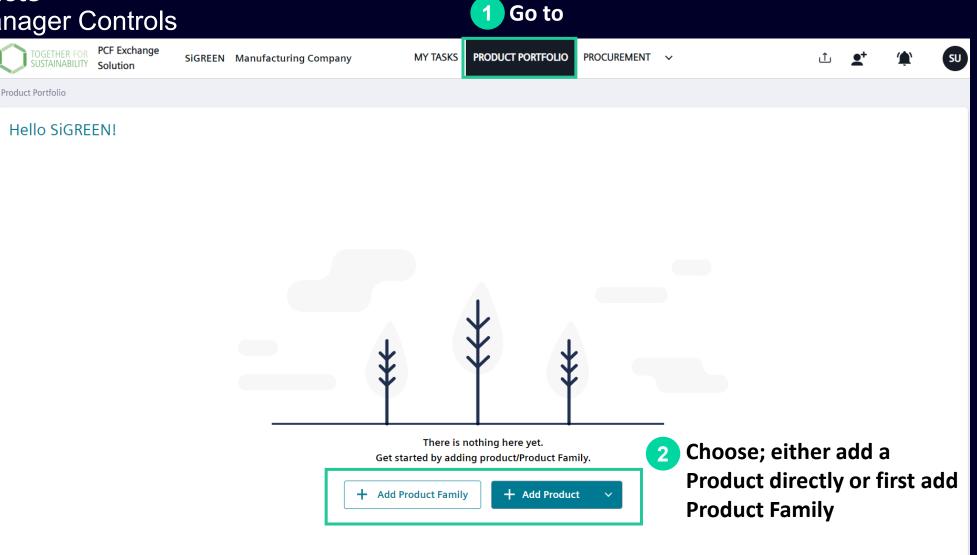
To start the PCF exchange, you first need to add your Products.

Follow the below steps to start adding your products. There are two ways to add your products.

Add a product manually

Add a product in bulk

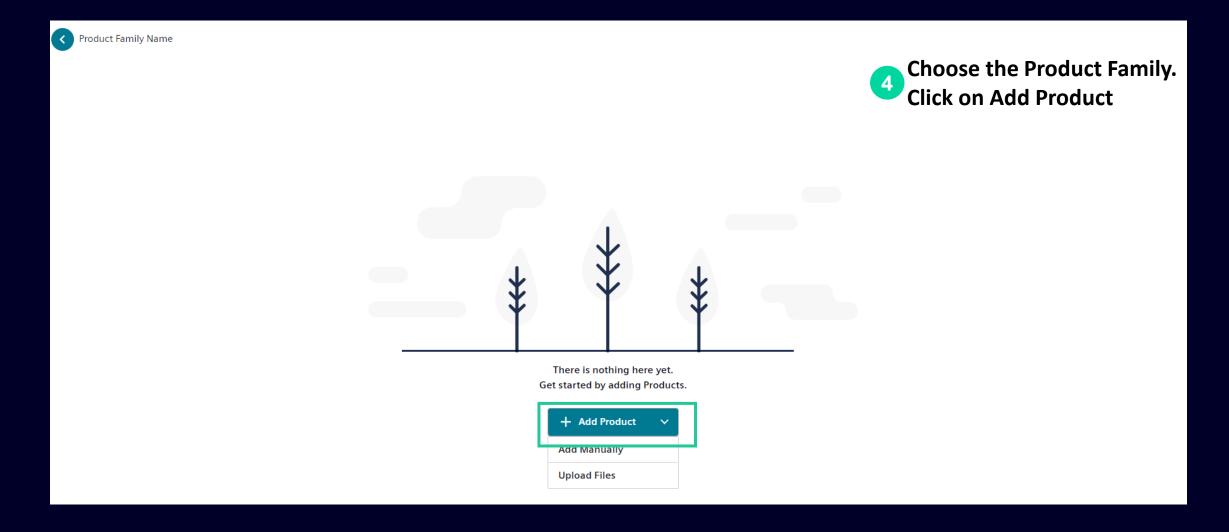






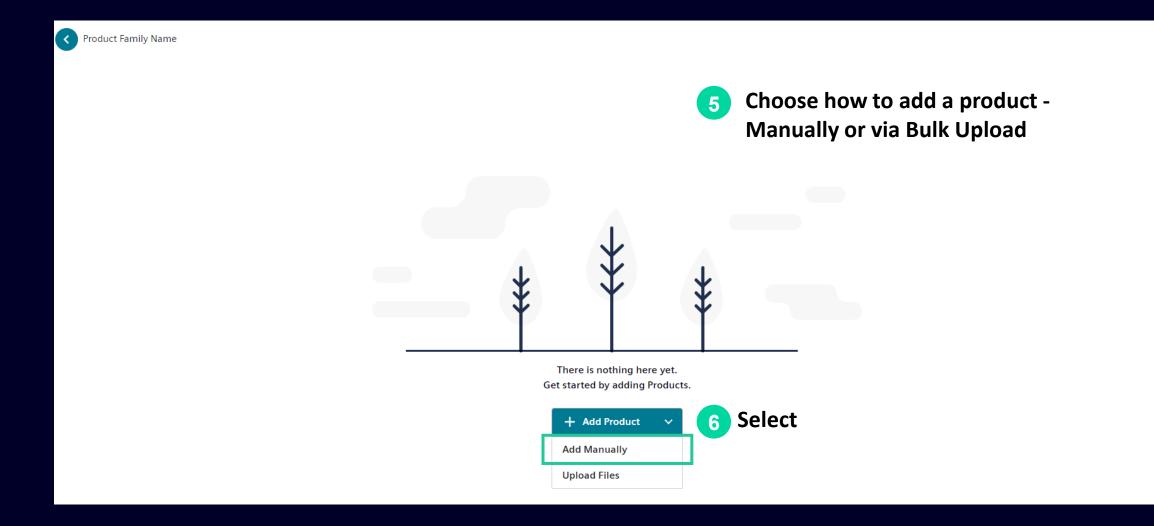
| Add Product Family | × |
|--|--|
| Product Family* | 3 Add a Product Family. Fill in & Save |
| Upload Image | |
| Drop your file here | |
| This product family belongs to the following business units: | |
| Q Search 🗸 | |
| | |
| | |
| | |
| | Cancel Save |
| | |

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Add Products Manually Product Manager Controls

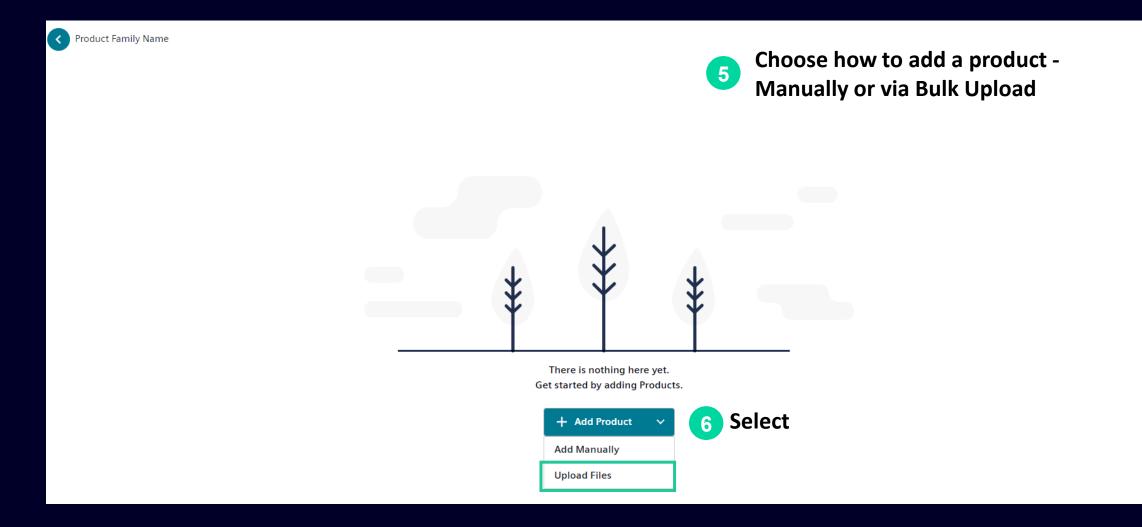




Add Products Manually Product Manager Controls

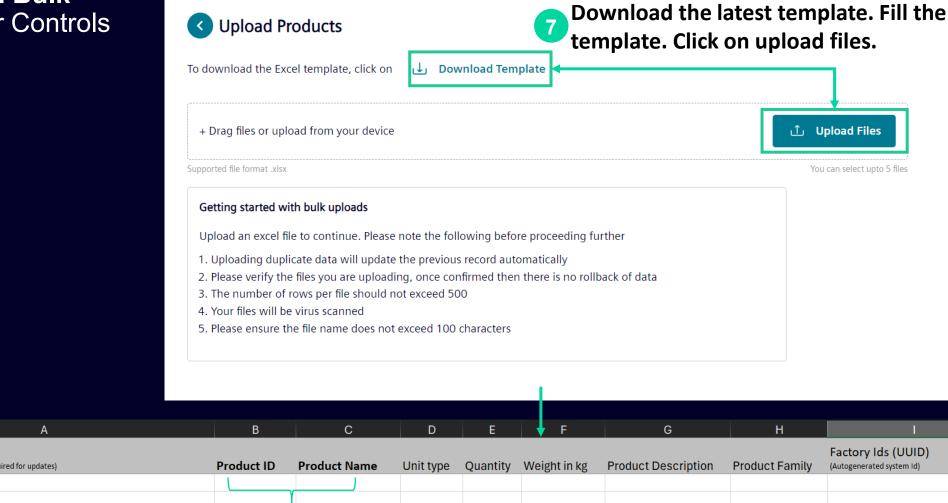
| Add Product | | | | | | | | |
|--|---|---------|-------|-------------|-----------|-----|------|---|
| General Information | | | | | | | | |
| Product Family | Product Name * | Factori | es 🚯 | | Unit Type | | | |
| Select 👻 | Product Name | Q s | earch | ~ | Select | | • | |
| Quantity | Weight | | | | | | | |
| Quantity | Weight | kg | | | | | | |
| Main identifier value can only be defined of Main Identifier* Product ID | once and cannot be changed later. Type value | | | ill in & Sa | | | | |
| Description | | | | | | | | |
| | | | 4 | | | — D | | |
| | | | | | Cano | cel | Save | |
| siemens.com/sigreen | | | | | | | SIE | M |

Add Products in Bulk Product Manager Controls





Add Products in Bulk Product Manager Controls





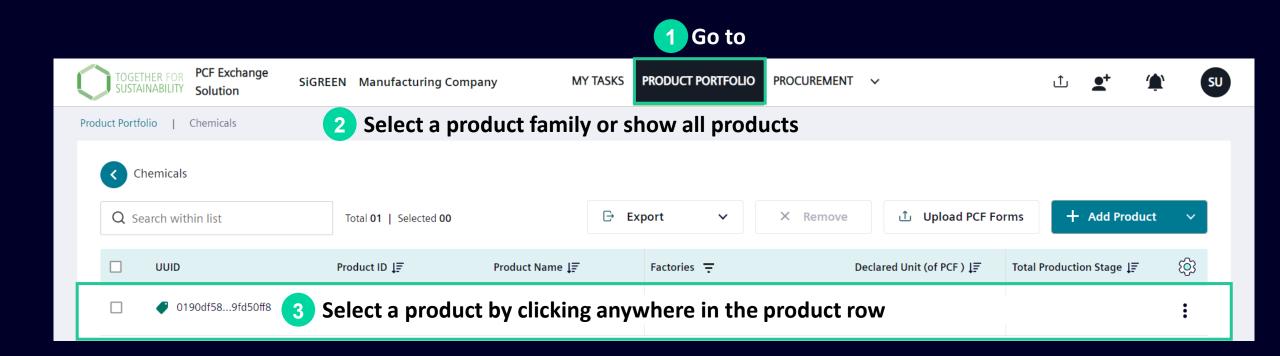
After adding products, you can create a PCF Credential.

Create a PCF Manually

Create a PCF in Excel



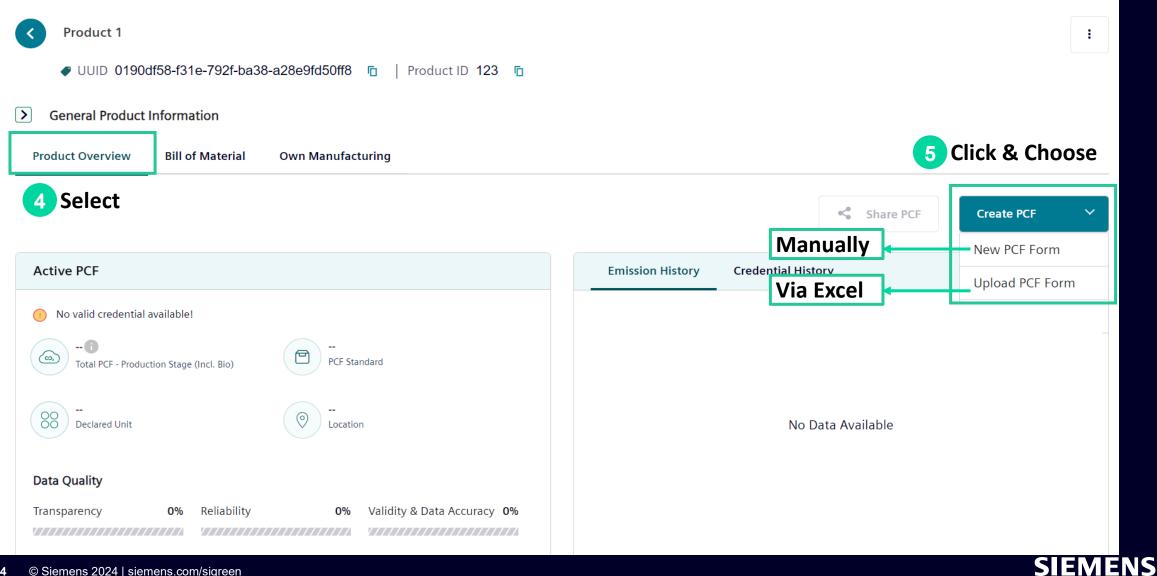








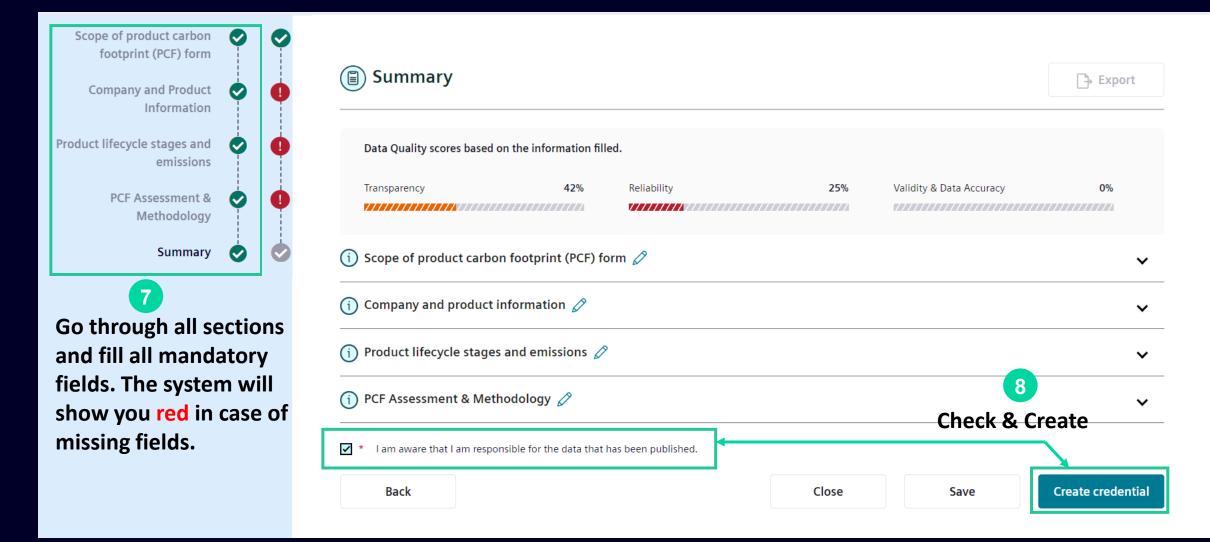
Create a PCF Credential Manually Product Manager Controls



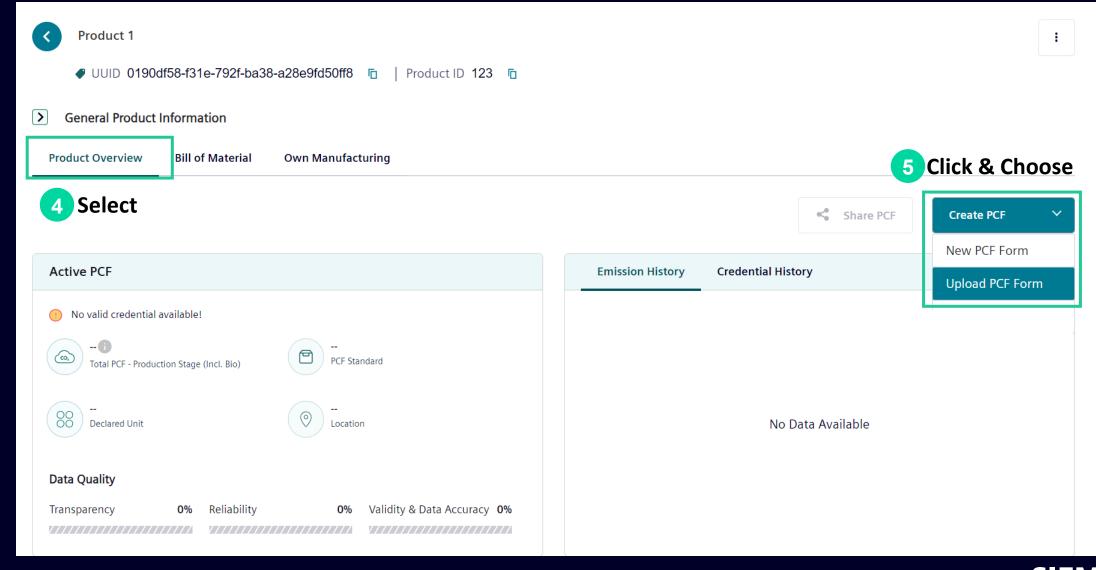
Create a PCF Credential Manually Product Manager Controls

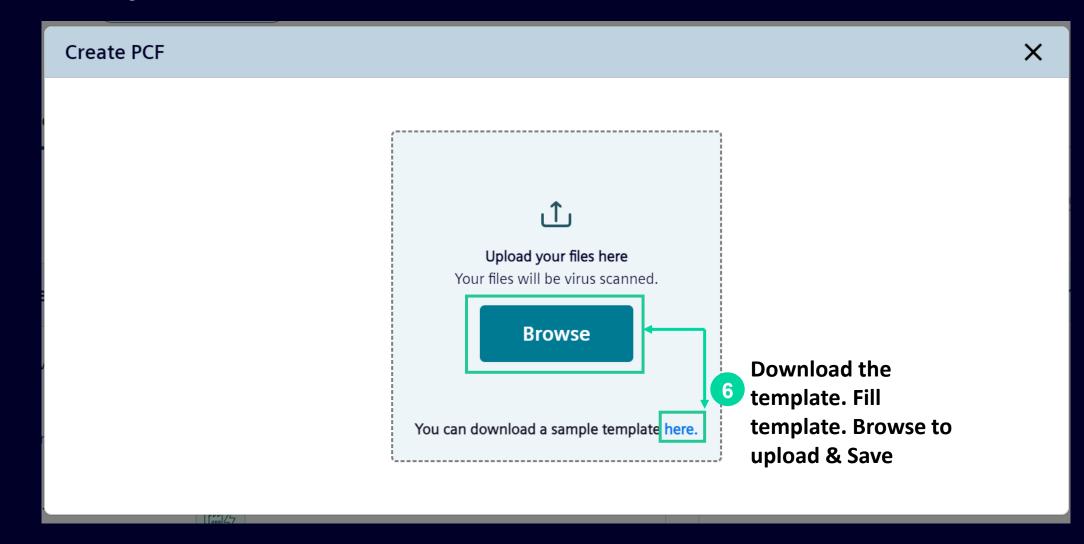
| Scope of product carbon footprint () (PCF) form | Scope of product carbon footpri | nt (PCF) form | Export |
|--|--|-----------------------|------------------------------------|
| Company and Product Information Product lifecycle stages and emissions | Data model and version* | | |
| PCF Assessment & Methodology Summary Data Quality Scores (| PACT V2.0.0 PACT V1.0. | .1 TFS V2 Catena-X V2 | 2 |
| Transparency 0% Reliability 0% Validity & Data Accuracy 0% | Catena-X V1 ISO 14067 | 7 EPD Style | 6 Select the relevant |
| | Limited or full declaration* Mandatory inputs only Mandatory and optional inputs | | standards and click "Next" |
| | Partial or a full PCF* 💿 | | |
| | Cradle-To-Gate | | |
| | | Close | Save Next |
| © Siemens 2024 siemens.com/sigreen | | | SIEMEN |

Create a PCF Credential Manually Product Manager Controls

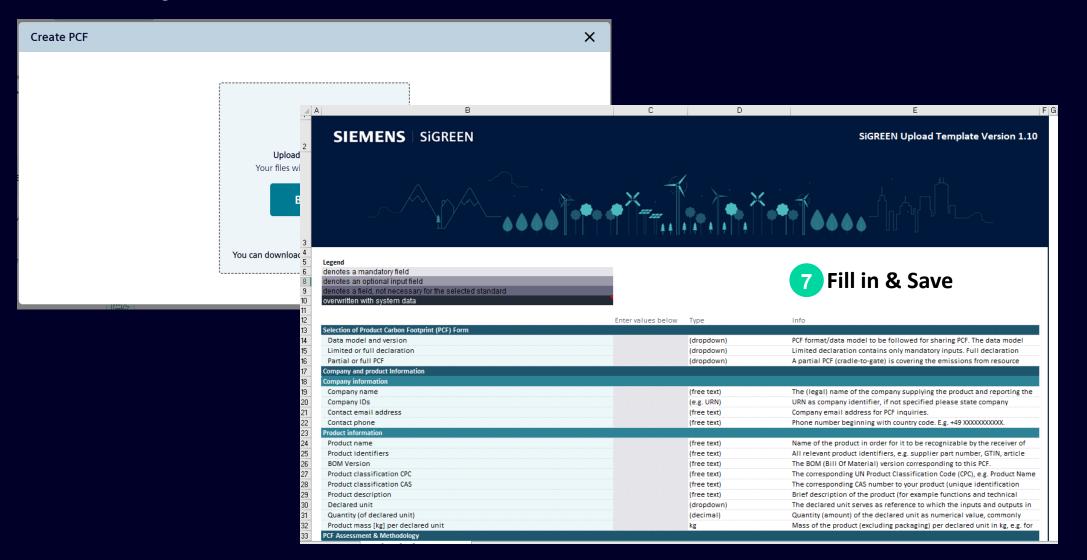


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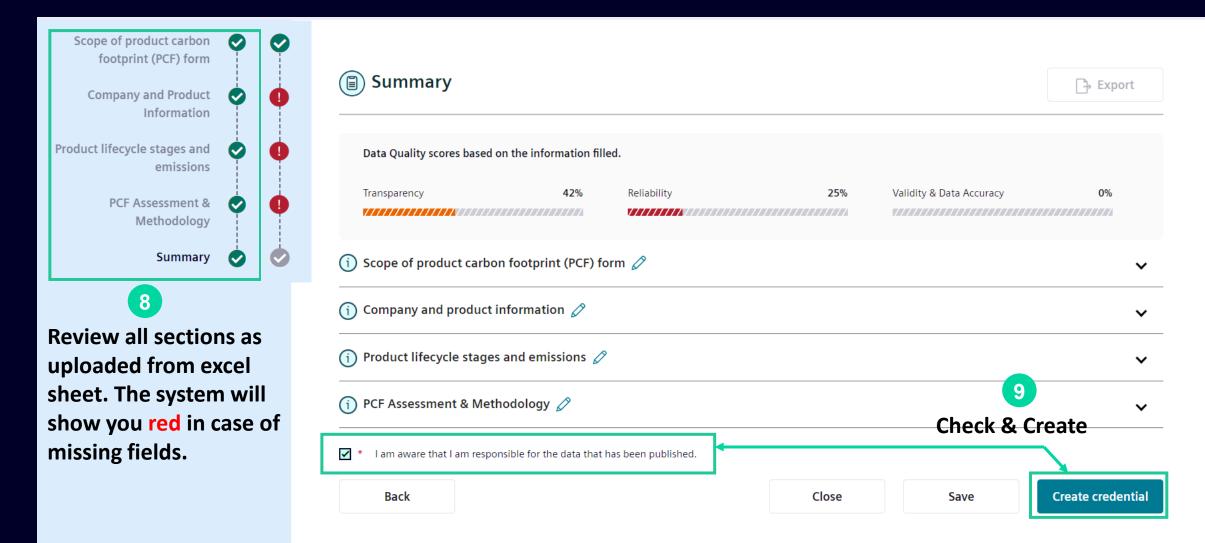










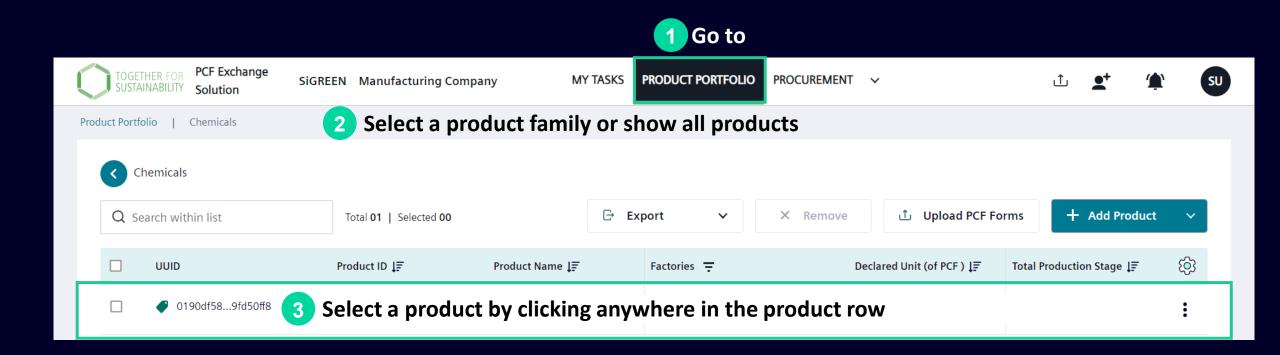






After creating a PCF Credential, if edits are needed or new changes need to be made, a PCF can be exported into a draft with the previously filled data.







| Product 1 Id123 | | | | | | | | |
|--|----------------------------|---|----------------------|-------------|---------------------|-----------------|--------------------|---------------------|
| > General Product Inf | ormation | | | | | | | |
| Product Overview | Bill of Material Own Manuf | acturing | | | | | | |
| 4 Go To | | | | | | | Share PCF | Create PCF 🗸 🗡 |
| Active PCF | | | | Emission Hi | istory Credential H | istory | | |
| PCF info from credent 1 kg CO2e Total PCF - Production 1 kg Declared Unit Data Quality Transparency | 48.48% Reliability | ACT V2.0.0, TFS V2 CF Standard urope ocation 25% Validity & Data Accuracy | 0% | | | No Data Availat | 5 | Choose |
| Credential Wallet | Emission Data | | | | | Automated pr | roof sharing for a | Export Credential |
| | | | | | | () Active | e credential 🛛 🚺 🗕 | O Revoke Credential |
| Date Created ↓ | Own Manufacturing | Upstream | Producti | on Stage | PCF State | Validity | Sha | Delete |
| 07/May/2024 | | | 1 kg CO₂ | e | Self Publishe | d Valid | [<u>]</u> 0 | Ĭ |
| 12/Feb/2024 | | | 1 kg CO ₂ | e | Expired : Self Pub | lished Valid | 0 | : |

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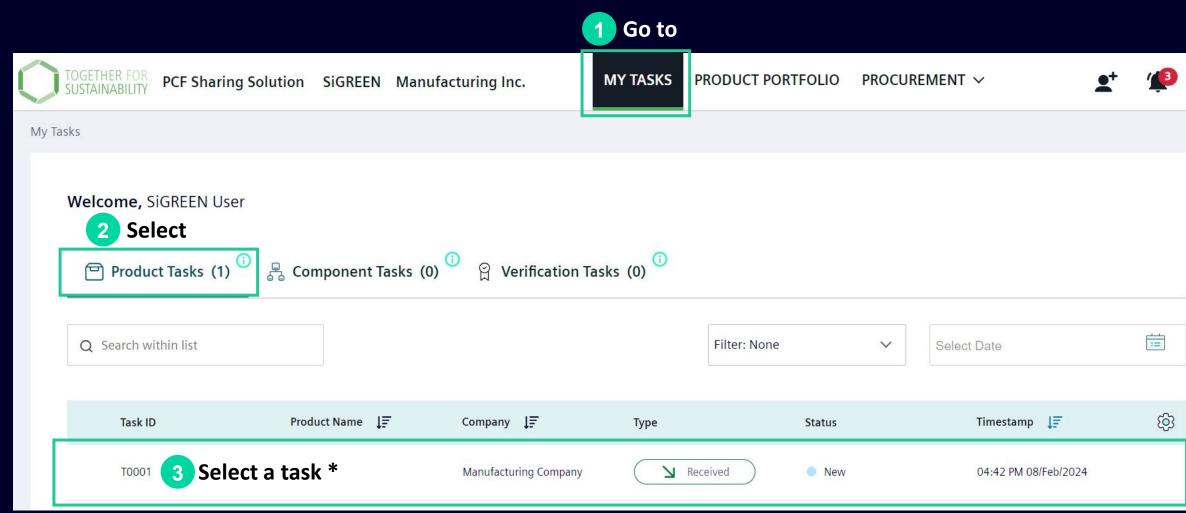
| : | | | | | | | | |
|---|--|--|--|--|--|--|--|--|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Share PCF Create PCF V | | | | | | | | |
| Emission History Credential History | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| No Data Available | | | | | | | | |
| Data Quality | | | | | | | | |
| Transparency 48.48% Reliability 25% Validity & Data Accuracy 0% | | | | | | | | |
| Credential Wallet Emission Data Encoded at Credential Credential Wallet Emission Data | | | | | | | | |
| Active automated aredentia | | | | | | | | |
| oduction Stage PCF State Validity Share | | | | | | | | |
| g CO ₂ e Self Published Valid () O Delete | | | | | | | | |
| g CO ₂ e PCF Draft B 0 | | | | | | | | |
| g CO ₂ e Expired : Self Published Valid | | | | | | | | |
| Q | | | | | | | | |

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Prior to sharing a PCF, your Customer should send you a PCF request at least once. After creating your PCF, you can share it with your customers.





* A product task is a PCF request received from your customer



| Bottle 0.3L CHEMCO009 Product Task T0021 From Manufac Request Overview Link Product Message from Customer | cturing Company Austria Comments Histor | / | | | • New | Creat Creat | People or Manufacturing Company Austria nee Unassigned |
|---|---|----------------------------|-----------------|---------------------------|-----------------|----------------|--|
| Dear Manufacturing Inc., We would like to request the PCF for the PCF Overview | Category | D.3L Customer Request | Your PCF shared | Data Quality Transparency | 0% | <i>k</i> | Check Product Request and Proceed to share PCF |
| Total Production Stage kg CO _z e | Declared Quantity PCF standard Location | Catena-X V2 Chengdu | | Validity & Data Acc | 0% curacy 0% | F | PCF |



| Bottle 0.3L CHEMCO009 | | Ne | w | People |
|--|--------------------------|-----------------|---------|---|
| Product Task T0019 From Manuf | acturing Company Austria | | | Creator |
| Request Overview Link Product | Comments History | | | Manufacturing Company Austria |
| Bottle 0.3L was not found. Link with another | er Product | | * | Assignee 🕕 |
| Suggested Products Other Product | cts (7) | | | 🕐 Unassigned |
| | | | | Assign to me |
| Q Product 1 X | | | | 5 |
| ldentifier | Product Name 🛛 🖵 | Factories | | Select a Product& Link it to the |
| Id123 | Product 1 | Munich, Germany | | respective |
| | | | | request |
| | | | _ | |
| | | | • | |
| | | + Add Product | Product | |



| ¢ | Product 1 | ld123 | View Product | | | | | New | ✓ People |
|--------|-----------------------|-------------------|----------------------|---------------------|------|-----------|-------------------------|------------------------|--|
| | Product Task T002 | 1 From Manu | facturing Compa | ny Austria | | | | | Creator |
| Rec | quest Overview | PCF Info | Comments | History | | | | | Manufacturing Company Austria |
| () Sta | ndard of selected PCF | doesn't match the | e standard requested | d by your customer. | | | | | Assignee 🕕 |
| | PCF Credential ID | Created On | Shared On | Standard | Unit | Total PCF | PCF State | PCF Status | ? Unassigned |
| ۲ | 3ee36af2-653e-4b41 | 07/May/2024 | | PACT V2.0.0, TFS | kg | 1 kg CO₂e | Self Published | - | Assign to me |
| 0 | bf5daf8d-3141-4776-a | a 12/Feb/2024 | | TFS V2, ISO 14067 | kg | 1 kg CO₂e | Expired: Self Published | - | Select a 6 Credential, |
| • | | | | | | | | | add |
| | | | | | | | < | 1 > Page 1 of 1 | comment, assign users if necessary & share proof |
| | | | | | | | 🔀 Unlink Product | < Share Proof | L |



Bulk uploads on SiGREEN

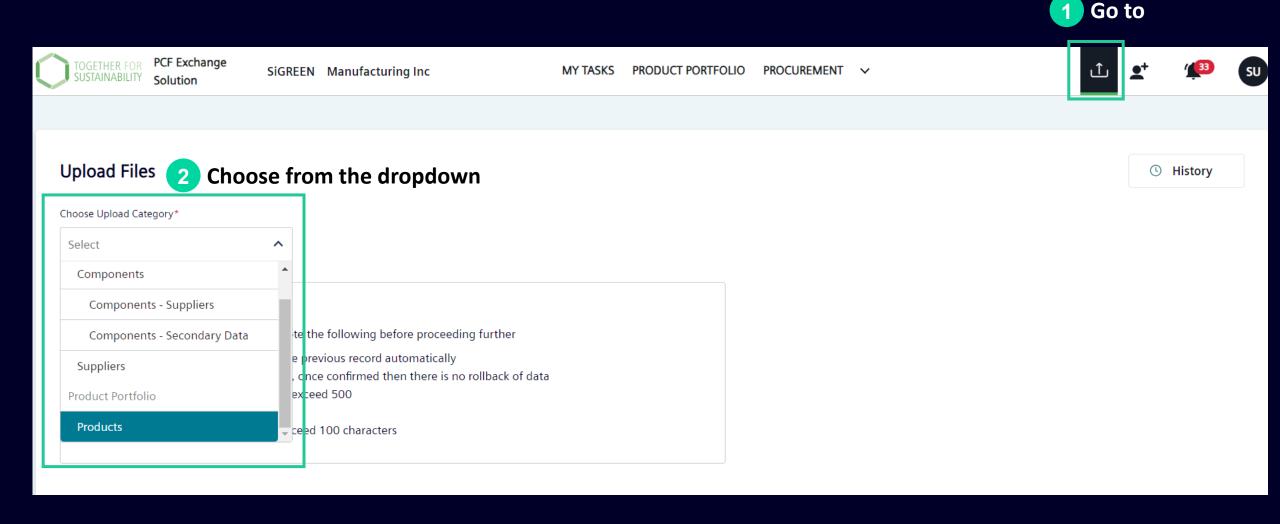


SiGREEN now allows for bulk uploads in one location.

Note: for bulk upload feature to properly work, the Company Admin must add all the Identifier Types for your company under the Company Information. An error message is displayed if the identifiers are not configured.

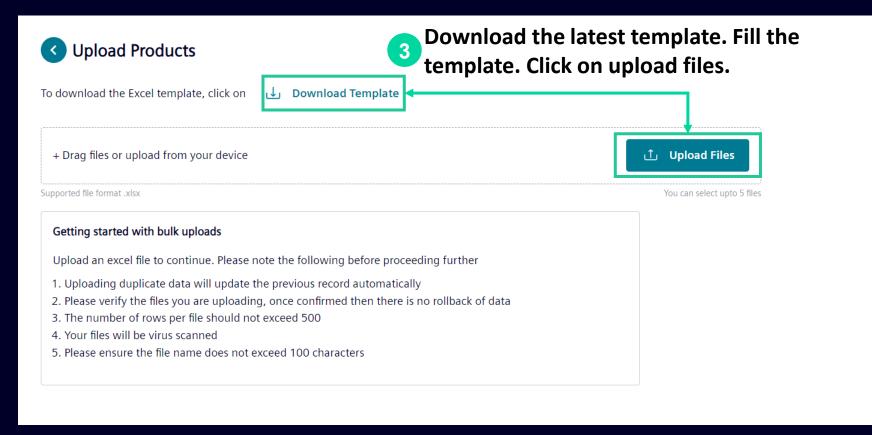


Bulk Uploads on SiGREEN





Bulk Uploads on SiGREEN

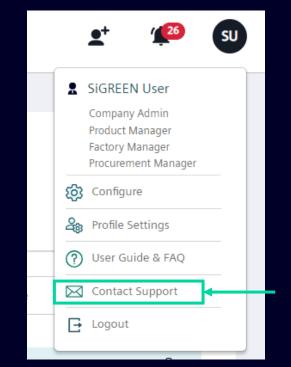


If you would like to edit your products or the data, you have entered in SiGREEN. Follow this guide.



Help Section How to contact support

For general questions, issues or suggestions related to SiGREEN contact our support team:



You can always use our <u>User Guide</u> for more information.



Disclaimer

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