




TOGETHER FOR  
SUSTAINABILITY

# The TfS PCF Exchange solution

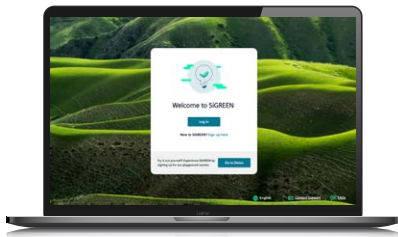
The chemical industry  
standard for the digital  
exchange of PCF data of  
your chemical products



Together for Sustainability (TfS) – a joint sustainability initiative of global chemical companies – has launched the **Product Carbon Footprint (PCF) Exchange solution**. Using Siemens' **SiGREEN** technology, the TfS PCF Exchange solution is the preferred platform for exchanging PCF data in the chemical industry. This pioneering solution is the first of its kind in the chemical industry and is provided free of charge. It facilitates the exchange of PCF data in compliance with various standards, such as TfS, PACT and Catena-X. The tool is user-friendly and enables the secure and efficient exchange of PCF data in standardised formats within a secure environment.

### What is the TfS PCF Exchange solution?

The TfS PCF Exchange solution, using Siemens' SiGREEN technology, facilitates the secure and trustworthy exchange of PCF data across the chemical supply chain. It allows chemical companies to request PCF information from their suppliers for purchased raw materials. This data helps determine carbon footprints and enables targeted reduction measures.



The PCF Exchange solution addresses three main challenges in PCF calculation: it enables companies and suppliers to request and exchange product information at scale, ensures the comparability of information for effective reduction efforts, and provides a trusted environment for exchanging PCF data. The solution has been tested by several TfS companies and will ensure widespread adoption by TfS members and their suppliers. Its goal is to enhance transparency in the chemical sector, support large-scale PCF data exchange, and contribute to achieving greenhouse gas emissions (GHG) reduction targets.

### How the solution can benefit you

Participating in decarbonisation efforts can offer benefits such as improved reputation and brand value, access to new markets and customers that prioritise sustainability, potential cost savings through efficiency improvements and resource optimisation and innovation. The solution is designed to reduce the number of different channels and tools used for the transfer of PCF data in a standardised format. Moreover, it is built to support companies in establishing a fully digital data chain and to perform general data compliance checks automatically. Companies will benefit from the solution compared to direct, partial, or fully manual data transfer in terms of cost savings, especially when a large amount of data is exchanged. PCF data exchange in compliance with the PACT or Catena-X standard will be possible as well (starting Q4/24).

### How to use the TfS PCF Exchange platform

To access the platform, you must first receive an invitation from your customer. All the necessary steps are outlined in the invitation email. You can use any internet browser to access the platform. There is free training material available that provides comprehensive explanations. The tool itself is free to use when you input or retrieve data manually via the web browser or through file uploads and downloads. However, if you plan to extensively transmit your PCF data through the SiGREEN platform using an automated API, there will be a monthly fee.

1 Source: CDP, "Running Hot - Accelerating Europe's path to Paris" (page 31).



### Why is this important right now?

Climate change poses a well-known threat to our planet and the future of businesses. Companies worldwide are taking action to reduce GHG emissions in support of the Paris Agreement's goal to limit global warming to well below 2°C. The chemical industry is accountable for a high level of global GHG emissions, 77% of which fall under Scope 3<sup>1</sup>. As corporations set stronger sustainability targets, they are increasingly looking to build more sustainable supply chains and reduce their associated emissions. As a chemical supplier, determining the carbon footprint of your products provides the best product-level information for identifying, tracking, and reducing these Scope 3 emissions. By providing accurate PCFs in the chemical industry to your corporate customers, you can help them accurately report their emissions and advance sustainability in the chemical industry.



To discover valuable training resources, visit the **TfS Academy**:

- **How to use the platform?**  
Explore the learning plan "The TfS PCF Data Exchange solution – SiGREEN".
- **Why is this important right now?**  
Take the course "Understanding Product Carbon Footprints; A Key to Environmental Responsibility".

The TfS Academy provides hundreds of multilingual training modules to TfS members and their suppliers.

To get to know the TfS PCF Exchange solution and to learn more about how you can play your part in creating a sustainable chemical supply chain, visit:

[tfs-initiative.com/how-we-do-it/scope-3-ghg-emissions](https://tfs-initiative.com/how-we-do-it/scope-3-ghg-emissions)

[tfs-initiative.com/how-we-do-it/scope-3-ghg-emissions/pcf-exchange-solution](https://tfs-initiative.com/how-we-do-it/scope-3-ghg-emissions/pcf-exchange-solution)