TOGETHER FOR SUSTAINABILITY

TfS PCF Data Sharing Solution

Share your PCF data

Become a frontrunner in the global fight against climate change

Version 1.0 - TfS October 2023

TOGETHER FOR SUSTAINABILITY

Together for Sustainability (TfS) is a member-driven initiative, raising CSR standards throughout the chemical industry. Our members are chemical companies committed to making sustainability improvements within their own – and their suppliers' – operations.

The TfS Scope 3 GHG emissions programme is an industry-wide approach to monitor, manage, share, and reduce emissions throughout the chemical supply chain.

More info

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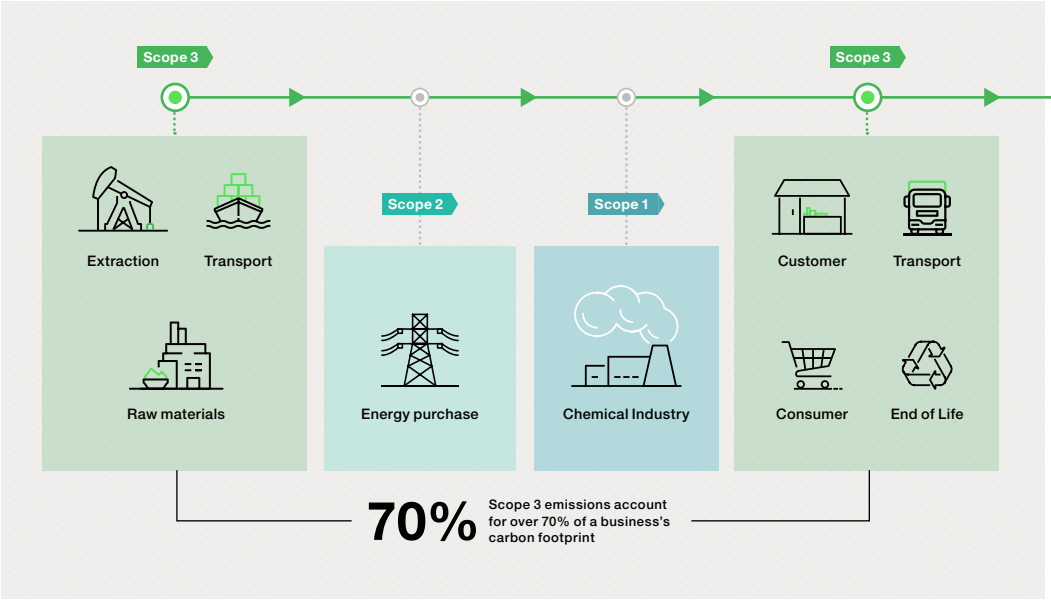
The Scope 3 challenge

45% is the reduction in GHG emissions required to meet the 2030 target of the Paris Agreement.

The Scope 3 Challenge

The chemical industry forms the backbone of the global economy, with many other industries dependent on its processes and products. Decarbonisation across the sector is crucial if we are to meet the Paris Agreement's 2030 milestone to reduce GHG emissions by 45% by 2030.

Companies tackling their overall emissions have direct control over Scope 1 and 2, but **not** over the emissions from their supply chains. As these "Scope 3" emissions account for over 70 % of a business's carbon footprint, it is imperative that a standardised method of measurement is available if we are to tackle and reduce them.



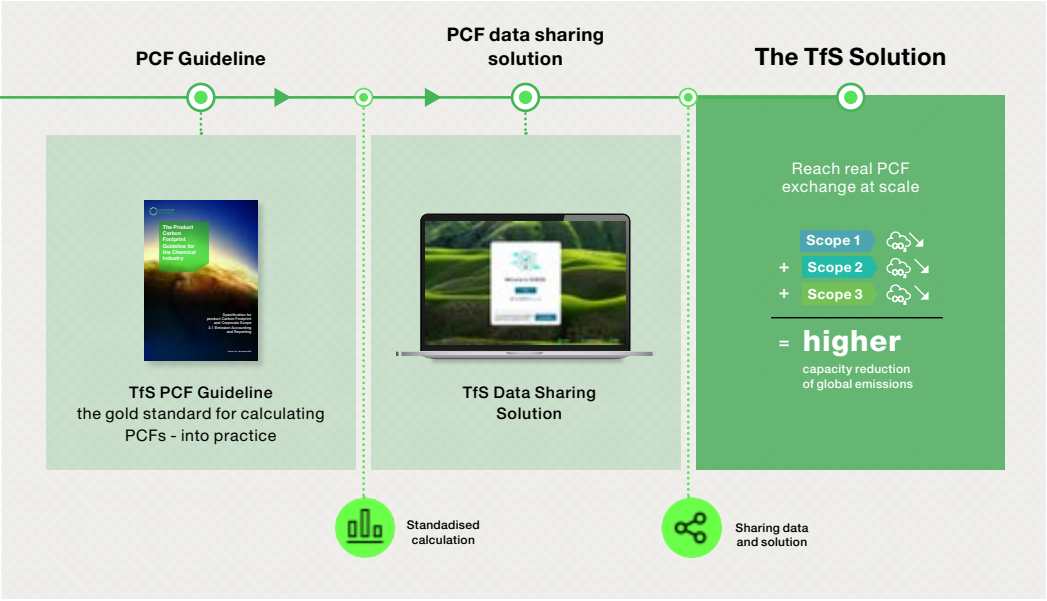
02
TfS Scope 3 programme

A standardised method is imperative to tackle and reduce Scope 3 emissions.

The TfS Solution

To address the Scope 3 challenge and alter the course of the chemical sector's climate trajectory, Together for Sustainability (TfS) developed the Scope 3 GHG emissions programme, an industry-wide approach to monitor, manage, share, and reduce emissions throughout the chemical supply chain.

The TfS Scope 3 GHG emissions programme comprises two tools: The TfS PCF Guideline and the TfS PCF Data Sharing Solution.



03
TfS Product Carbon Footprint Guideline

a step-by-step guide for chemical suppliers and adjacent industries

The gold standard for calculating PCFs

In September 2022, TfS launched the **Product Carbon Footprint (PCF) Guideline**. Quickly becoming the global standard for transparency and simplicity when calculating emissions in chemical supply chains, it is helping chemical companies understand their impact and find ways to decarbonise.

The first of its kind, the TfS PCF Guideline provides a step-by-step guide for chemical suppliers and adjacent industries to calculate the carbon footprint of their products. This provides chemical producers with the data they need to set tangible emissions reduction targets and drive decarbonisation across the sector. Open-source, and available in multiple languages, the TfS PCF Guideline is a truly global solution to a global challenge.

How does TfS help chemical supply chains?

PCF Guideline
Developed a global standard for calculating emissions in chemical supply chains.

The guide helps chemical companies understand their impact and find ways to decarbonise their activities.

Standardised calculation

TfS PCF provides a step-by-step guide to calculate the carbon footprint of their products with a standardised method.

Reach emissions-reduction targets

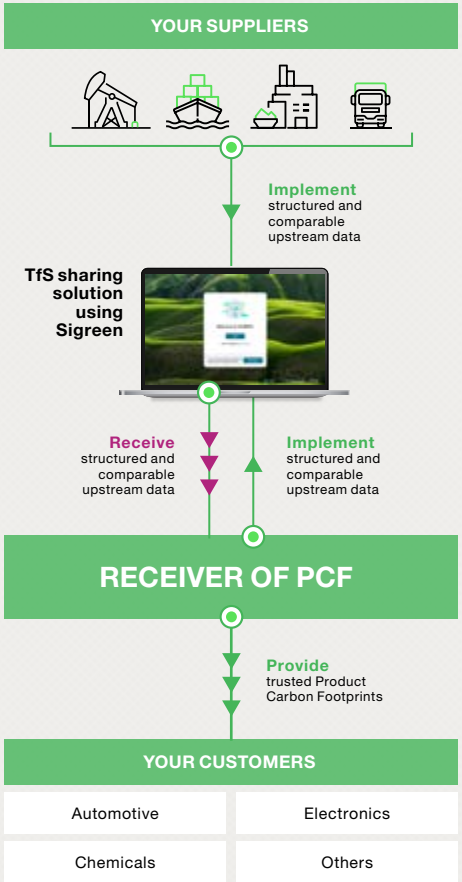
The guide helps to set tangible targets for emissions reduction and decarbonisation across the entire sector.

04
TfS PCF Data sharing solution

TfS has launched a PCF data-sharing solution using Siemens' 'Sigreen' software

This solution drives transparency in the chemical sector, facilitates a large-scale PCF data exchange, and contributes to decarbonisation goals. Sigreen is an advanced PCF management platform, offering a trusted environment to safely share PCFs.

By using the PCF Guideline as the method to calculate PCF – and the PCF Data sharing solution to share the information at scale – TfS members are equipped with the tools required to reach their GHG reduction goals and make their contribution to the Paris Agreement.



The TfS PCF Data Sharing Solution allows companies to:

- **Request and receive structured data from their suppliers** using the TfS format (data will be compliant with the TfS PCF Guideline)
- **Compare supplier data** process it further into the calculation of PCFs, and **share the results with customers in downstream sectors** (automotive, chemicals, electronics, etc.)

05
Advantages of the solution

Enabling cross-company PCF data exchange

The TfS PCF Data Sharing Solution is:

- **Easy to use**
  Harnessing Sigreen's Software as a Service (SaaS) that is easily scalable according to a company's requirements without lengthy implementation. As a web-based Software as a Service, it does not require download or software installation
- **Structured supply chain data**
  Request and receive structured data from your suppliers using the TfS PCF format (data will be compliant with the TfS PCF Guideline)
- **Multi Standards-compliant**
  Full compliance with the **TfS PCF Guideline** as well as other PCF standards (i.e. CATENA-X for the automotive industry, WBCSD)
- **Free of charge**
  A basic version is provided free of charge to provide an easy-to-start-with solution, also for your suppliers
- **Feature-rich**
  Continuously enhanced further based on customer feedback and close collaboration with TfS as well as other relevant industry associations
- **A Cross-industry solution**
  Users benefit from Sigreen's knowledge gained beyond the chemical industry with results applicable across sectors

06
Cross-functional collaboration

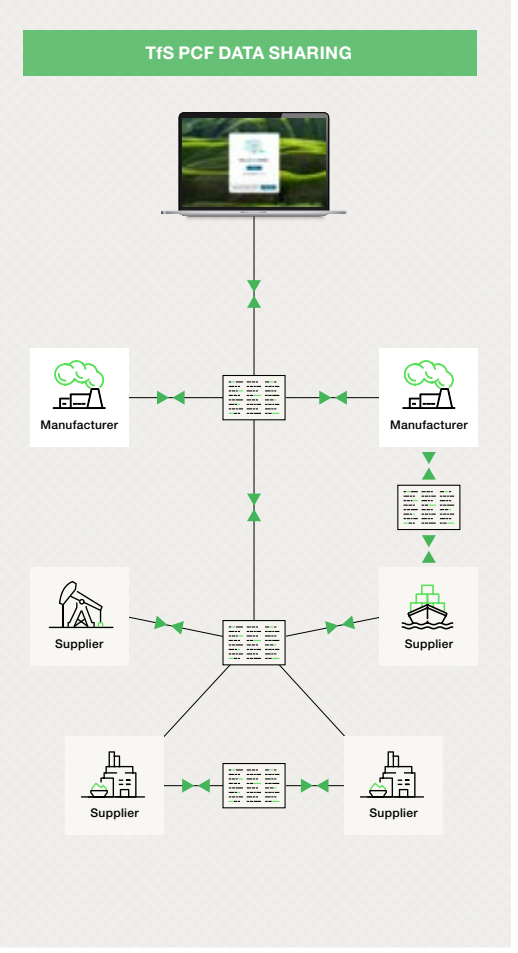
Increases efficiency within each of the companies and their suppliers

The TfS PCF Data sharing solution allows companies to create a product carbon footprint in a cross-functional collaboration.

The TfS PCF Data sharing solution not only increases efficiency in communicating with other companies and intra-companies exchange of PCF data, but also within each of the companies and their suppliers.

Roles include:

- **Product Manager:** Enters and maintains the products for which PCFs will be shared
- **Carbon Assessment/sustainability experts:** Analyses the data from different suppliers, identifies and fills the gaps where supplier data is currently unavailable
- **Procurement Department:** Liaises with suppliers, works on maintaining and requesting the data of the products and components from suppliers
- **Plant Manager:** An optional role for companies that want to connect Sigreen to their operations for gate-to-gate emission metering. Your own gate-to-gate emissions also contribute to the PCF. These can be handled either within or apart from the TfS PCF Data sharing solution



07
Get started

01

Sign-up to Sigreen

If you receive an invitation email from one of your customer, kindly follow the steps explained in that email.

Alternatively, visit: **https://app.sigreen.siemens.com** to sign up for the TfS PCF Exchange Solution.

02

Leverage the Knowledge Base

Sigreen provides online guides on how to get started and use the tool. A keyword search makes it easy to find the help you need.

You may start here:
https://siemens-help.stonly.com/kb/guide/en/registration-and-initial-login-MJ4Bx7wdSo/Steps/1358857

08
Testimonials from TfS Members

"From a procurement perspective, it is great to have one single tool to perform all the different requests… it increases the transparency in our organisation, and streamlines the internal processes. We can really scale the internal PCF requests we have."

Julia Martius – Evonik

"The TfS PCF data sharing solution offers distinct benefits for suppliers. In accordance with the TfS principle, suppliers will only have to develop one PCF and can decide to reshare the PCF data multiple times. That is a big win for suppliers and customers."

Petra Lehmann – AkzoNobel

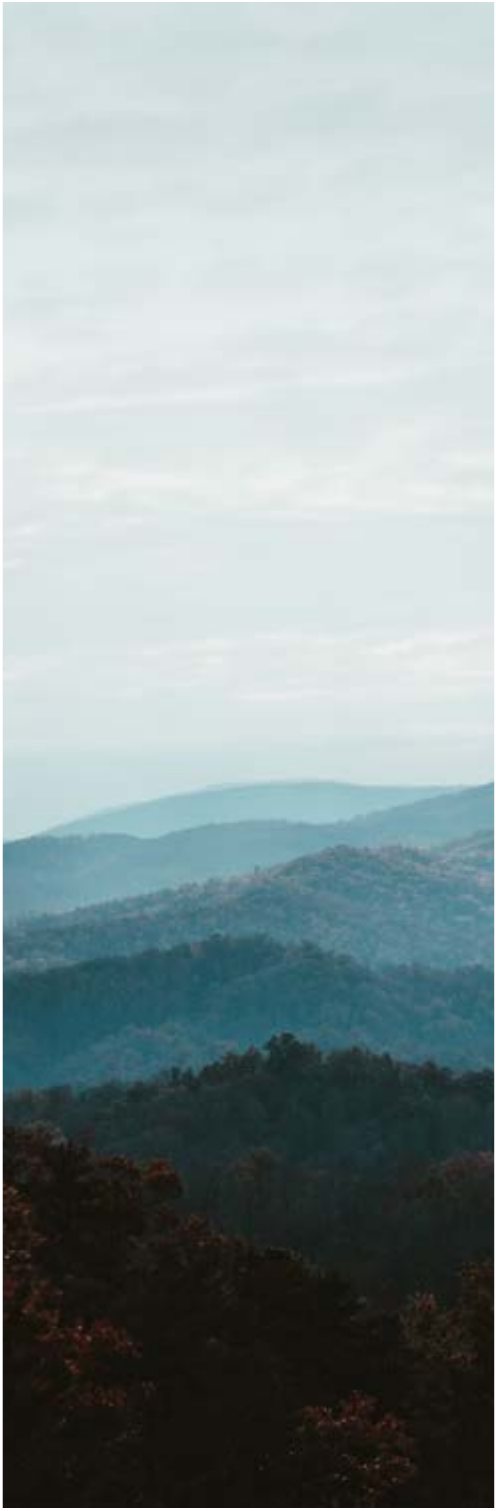
TOGETHER FOR SUSTAINABILITY

About together for sustainability (TfS)

Together for Sustainability (TFS) is a non-profit initiative driven by chemical procurement specialists. Our members are chemical companies representing a global annual turnover of over €800 billion, and €500 billion in global spend.

We help our members work together to better measure and improve the sustainability of chemical supply chains. The **TfS PCF Guideline** (the global standard to help both corporations and suppliers calculate Scope 3 emissions), and the **TfS Academy** (a tailored learning and development platform designed to help upskill TfS member companies' procurement teams and their suppliers on sustainability) are just two of the tools we have developed for our members.

Together we are building the global standard for the environmental, social and governance performance of chemical supply chains.



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