SiGREEN

Siemens 4IR Lighthouse Factories as test bed for decarbonization of products and supply chains

Dr. Florian Albrecht, Siemens AG
AIOTI Signature Event 2023, Brussels, 10.10.2023
Demand for transparency on product level is increasing
Why companies need to understand emissions related to their products

Responsibility
Public pressure
CO₂ Tax
Comp. Advantage

Over 90% of emissions originate in complex and distributed supply chains.¹

¹ Carbon Disclosure Project 2021
Moving from carbon footprint reporting to active PCF management
How dynamic PCFs turn carbon footprints into a management tool

**From static PCF reporting...**
Conventional database approach

- With up to 90% supply chain emissions, most of the PCF is based on **static database averages**
- (Sub-) supplier **improvements are disconnected** from a manufacturers PCF
- The same (sub-) supplier **material is calculated multiple times** by different manufacturers

**...to dynamic PCF management**
SiGREEN PCF chaining approach

- Efficient communication allows for **frequent and pro-active updates** that create dynamic PCF
- (Sub-) suppliers’ improvements quantify in PCFs, making them a **management tool**
- Dynamic PCF enable **precise target setting** and **efficient reduction measures** with quantifiable impact
SiGREEN works with established data ecosystems and standards
How SiGREEN connects you to partners as well as IT and OT infrastructure

SiGREEN

• Full-featured Software as a Service application that works standalone as well as integrated with your system landscape (option)
• Requesting, aggregating and sharing of trustworthy PCF data as basic features free of charge
• Support of all relevant data formats and ecosystems
• Made for scaling along your supply chains: Lean supplier self onboarding without installation

Multi-standard compliant | cross-industrial

1) Interface development in progress
SiGREEN Connect is developed in our factories in Fürth and Amberg leveraging the OT and IT connectivity.
Your SiGREEN contact

Dr. Florian Albrecht
Siemens SiGREEN
Strategy
Mobile: +49 173 142 1592
Mail: albrecht.florian@siemens.com
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