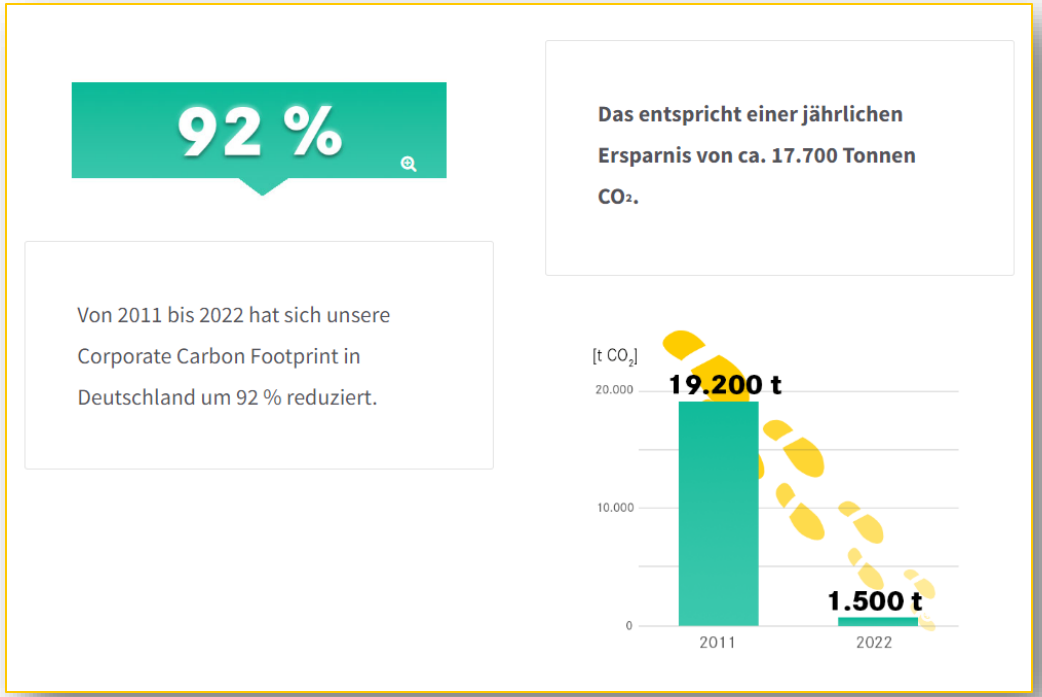
Transparenz: Umweltcontrolling & Status Quo in der HARTING Technologiegruppe

Nadine Frank – Umwelt- und Nachhaltigkeitscontrollerin

HARTING
Pushing Performance
Since 1945

Die HARTING Technologiegruppe – Status Quo

CO_2 Emissionen der deutschen Gesellschaften



- **Zertifizierungen:**
  - **ISO 14001 / EMAS: deutsche Gesellschaften**
  - **ISO 14001: 5 globale Produktionsgesellschaften**
- **> 99 % unserer genutzten Energie in Deutschland ist regenerativ oder klimaneutral.**
- **CCF der globalen HARTING Technologiegruppe wurde berechnet (Scope 1 + 2).**
- **CO_2 Emissionen einzelner Scope 3 Kategorien wurden abgeschätzt.**

CO_2 Emissionen der HARTING Technologiegruppe

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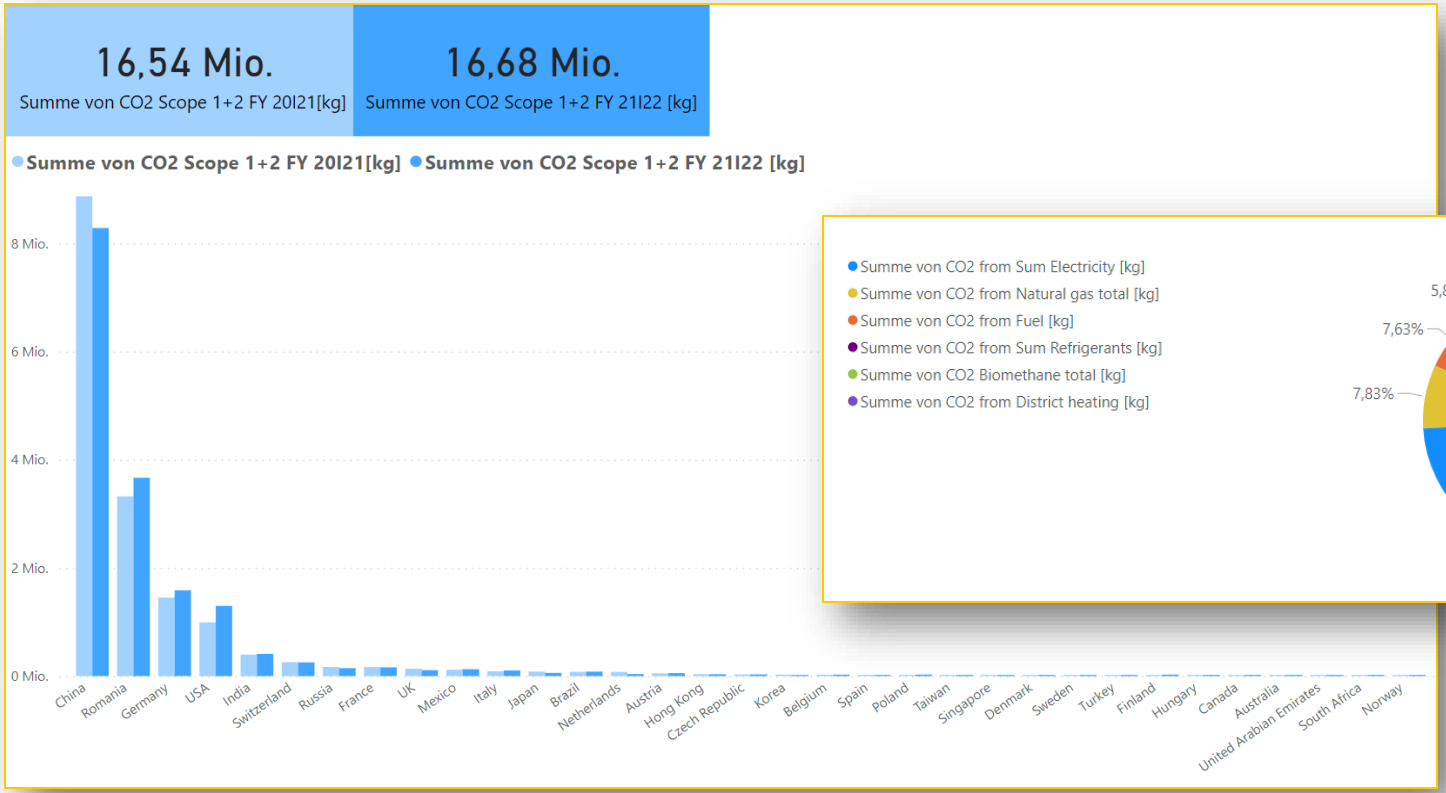
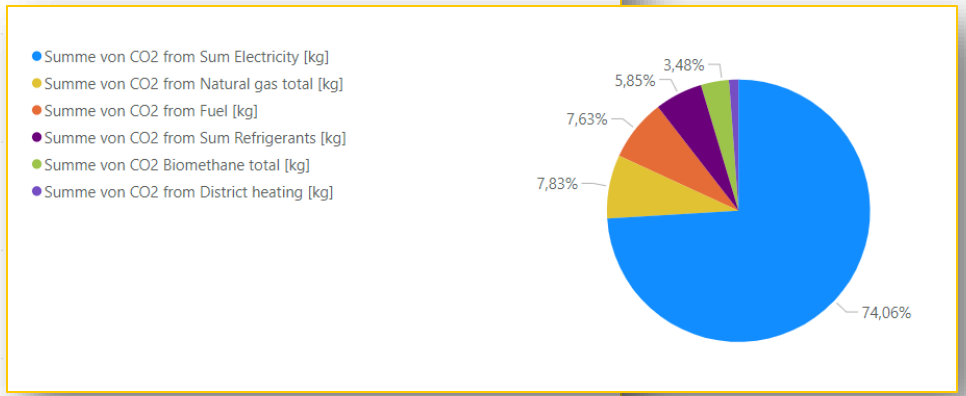
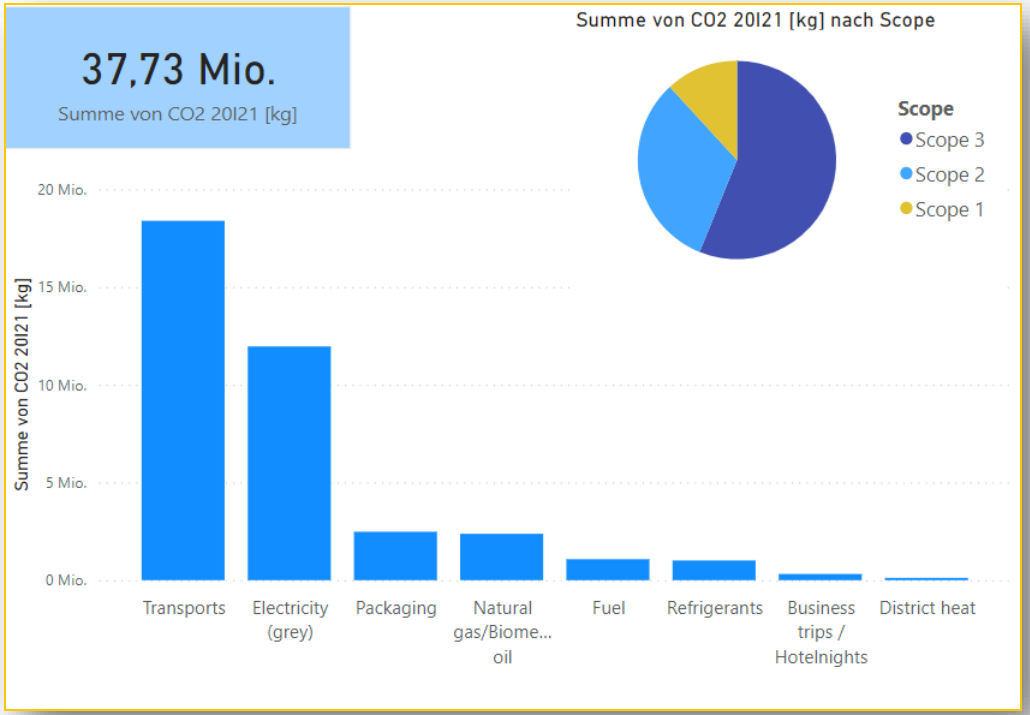
Scope 1 und 2 Emissionen:





CO_2 Emissionen der HARTING Technologiegruppe

Scope 1 - 3:



Fokus bei den Scope 3 Emissionen im ersten Schritt auf:

- **Transporte innerhalb der HARTING Technologiegruppe**
- **Geschäftsreisen**
- **Verpackungen**

Scope 1 = Emissionen aus Verbrennungsprozessen vor Ort

Scope 2 = Emissionen aus eingekauftem Strom und Fernwärme

Scope 3 = Emissionen aus vor- und nachgelagerten Prozessen

Berichtspflichten - CSRD

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2023

CSRD seit Januar 2023 in Kraft

2024

Ende Juni 2023:
Verabschiedung der ESR Standards

2025

Veröffentlichung der Berichte zum GJ 2024 (Unternehmen, die bisher berichtspflichtig waren)

2026

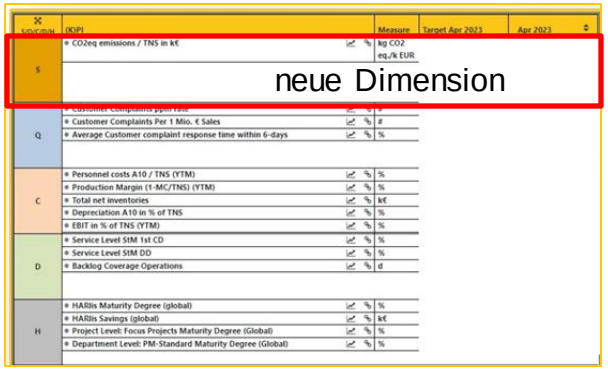
Berichtspflichten gem. CSRD für HARTING

- Bilanzsumme: mind. 20 Mio. €
- Nettoumsatzerlöse: mind. 40 Mio. €
- mind. 250 Beschäftigte

CO_2 Emissionen / TNS [kg CO_2 / k €]

CO_2 Emissionen (Scope 1+2) in kg CO_2eq pro Umsatz

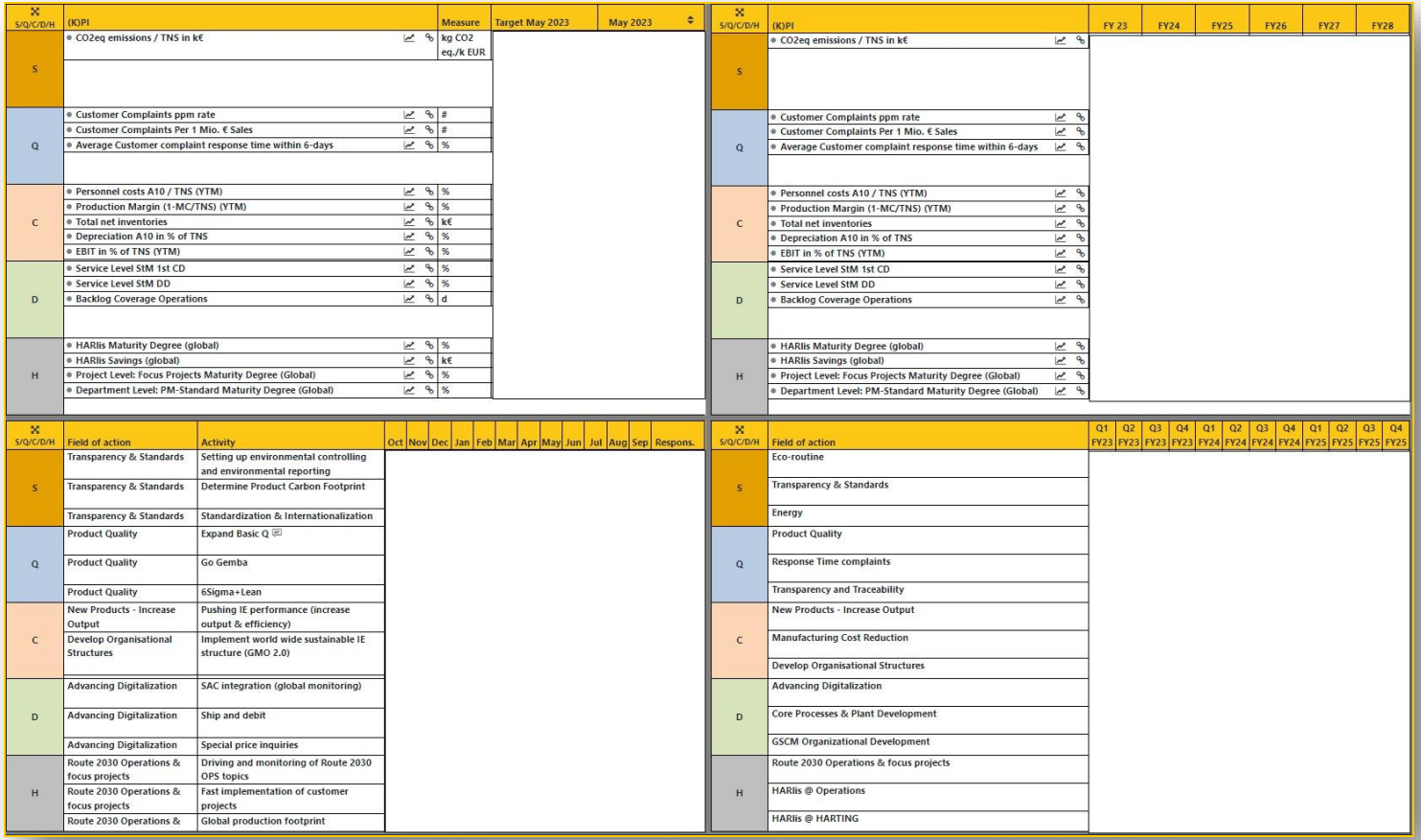
4STH



weitere (K)PI:

Scope 3 Emissionen [kg CO_2 / k €]	Scope 3 Emissionen in kg CO_2eq / k € (Transporte, Geschäftsreisen, Abfall, Rohstoffe…)
Energie [kWh / €]	gesamter **Energiebedarf** in kWh pro Umsatz
Materialien [t und %]	- Einsatzstoffe aus **regenerativen Quellen** - wiederverwendete oder **recycelte Materialien**
Abfall [t]	Gesamte Menge an **Abfall**: - Recycling / Verbrennung / Verwertung / Deponierung
Wasser [m^3]	**Wasserverbrauch**

4 Sector Target House



S/Q/C/D/H	(K)PI	Measure	Target May 2023	May 2023
S	CO2eq emissions / TNS in k€	kg CO2 eq./k EUR		
Q	Customer Complaints ppm rate	#		
	Customer Complaints Per 1 Mio. € Sales	#		
	Average Customer complaint response time within 6-days	%		
C	Personnel costs A10 / TNS (YTM)	%		
	Production Margin (1-MC/TNS) (YTM)	%		
	Total net inventories	k€		
	Depreciation A10 in % of TNS	%		
	EBIT in % of TNS (YTM)	%		
D	Service Level StM 1st CD	%		
	Service Level StM DD	%		
	Backlog Coverage Operations	d		
H	HARIis Maturity Degree (global)	%		
	HARIis Savings (global)	k€		
	Project Level: Focus Projects Maturity Degree (Global)	%		
	Department Level: PM-Standard Maturity Degree (Global)	%		

S/Q/C/D/H	(K)PI	FY 23	FY24	FY25	FY26	FY27	FY28
S	CO2eq emissions / TNS in k€						
Q	Customer Complaints ppm rate						
	Customer Complaints Per 1 Mio. € Sales						
	Average Customer complaint response time within 6-days						
C	Personnel costs A10 / TNS (YTM)						
	Production Margin (1-MC/TNS) (YTM)						
	Total net inventories						
	Depreciation A10 in % of TNS						
	EBIT in % of TNS (YTM)						
D	Service Level StM 1st CD						
	Service Level StM DD						
	Backlog Coverage Operations						
H	HARIis Maturity Degree (global)						
	HARIis Savings (global)						
	Project Level: Focus Projects Maturity Degree (Global)						
	Department Level: PM-Standard Maturity Degree (Global)						

S/Q/C/D/H	Field of action	Activity	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Respons.
S	Transparency & Standards	Setting up environmental controlling and environmental reporting													
	Transparency & Standards	Determine Product Carbon Footprint													
	Transparency & Standards	Standardization & Internationalization													
Q	Product Quality	Expand Basic Q													
	Product Quality	Go Gemba													
	Product Quality	6Sigma+Lean													
C	New Products - Increase Output	Pushing IE performance (increase output & efficiency)													
	Develop Organisational Structures	Implement world wide sustainable IE structure (GMO 2.0)													
D	Advancing Digitalization	SAC integration (global monitoring)													
	Advancing Digitalization	Ship and debit													
	Advancing Digitalization	Special price inquiries													
H	Route 2030 Operations & focus projects	Driving and monitoring of Route 2030 OPS topics													
	Route 2030 Operations & focus projects	Fast implementation of customer projects													
	Route 2030 Operations &	Global production footprint													

S/Q/C/D/H	Field of action	Q1 FY23	Q2 FY23	Q3 FY23	Q4 FY23	Q1 FY24	Q2 FY24	Q3 FY24	Q4 FY24	Q1 FY25	Q2 FY25	Q3 FY25	Q4 FY25
S	Eco-routine												
	Transparency & Standards												
	Energy												
Q	Product Quality												
	Response Time complaints												
	Transparency and Traceability												
C	New Products - Increase Output												
	Manufacturing Cost Reduction												
	Develop Organisational Structures												
D	Advancing Digitalization												
	Core Processes & Plant Development												
	GSCM Organizational Development												
H	Route 2030 Operations & focus projects												
	HARIis @ Operations												
	HARIis @ HARTING												

Berichtstandards / Datenbank

Cross-Cutting Standards		
ESRS 1 General Requirements		
ESRS 2 General Disclosures*		
Environment	**Social**	**Governance**
ESRS E1 Climate Change*	**ESRS S1 Own workforce***	***ESRS G1 Business conduct***
ESRS E2 Pollution	***ESRS S2 Workers in the value chain***	
ESRS E3 Water and marine sources	ESRS S3 Affected communities	
ESRS E4 Biodiversity and ecosystems	ESRS S4 Consumers and end-users	
ESRS E5 Resource use and Circular Economy		

* Pflichtstandards

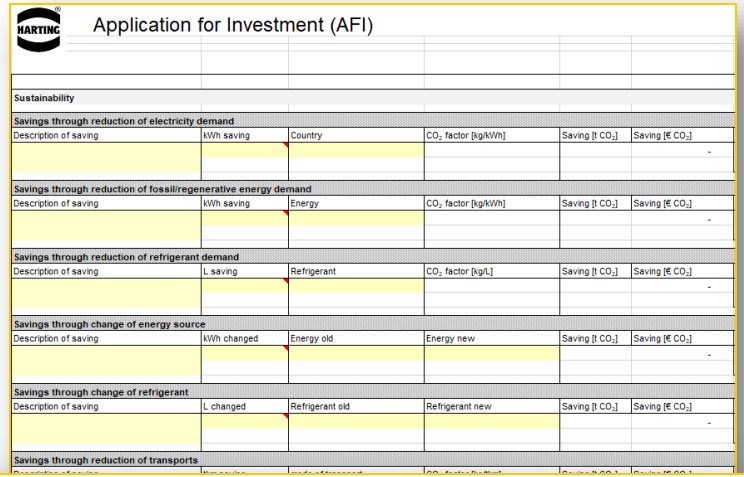
ESRS E1 Climate change

No.	Description	Unit	Stat. Key figure
NODE_EV1000	**Energy consumption [kWh] total**	kWh	KP / Summierungsstufe
NODE_EV1100	**total energy consumption from non-renewable sources**	kWh	Stat. Key figure
EV1110	consumption of **coal** and coal products	kWh	Stat. Key figure
EV1120	consumption of **crude oil** and petroleum products	kWh	Stat. Key figure
NODE_EV1130	consumption of **natural gas**	kWh	KP / Summierungsstufe
EV1131	consumption of **natural gas for heating**	kWh	Stat. Key figure
EV1132	consumption of **natural gas for CHP**	kWh	Stat. Key figure
EV1133	consumption of **natural gas s for production process**	kWh	Stat. Key figure
NODE_EV1140	consumption of **fuel total**	kWh	KP / Summierungsstufe
EV1141	consumption of **diesel**	kWh	Stat. Key figure
EV1142	consumption of **petrol**	kWh	Stat. Key figure
EV1150	consumption of **heating oil**	kWh	Stat. Key figure
EV1160	consumption of **other non-renewable sources**	kWh	Stat. Key figure
EV1170	consumption of **nuclear** products	kWh	Stat. Key figure
EV1180	consumption of **electricity**	kWh	Stat. Key figure
EV1190	consumption of **heat**	kWh	Stat. Key figure
EV1200	consumption of **steam**	kWh	Stat. Key figure
EV1210	consumption of **cooling**	kWh	Stat. Key figure
EV1220	consumption of **non-renewable energy production**	kWh	Stat. Key figure
NODE_EV1200	**total energy consumption from renewable sources**	kWh	KP / Summierungsstufe
NODE_EV1210	consumption of **biogas**	kWh	KP / Summierungsstufe
EV1211	consumption of **biogas for heating**	kWh	Stat. Key figure
EV1212	consumption of **biogas for CHP**	kWh	Stat. Key figure
EV1213	consumption of **biogas for production process**	kWh	Stat. Key figure
EV1220	consumption of **electricity** from renewable sources	kWh	Stat. Key figure
EV1230	consumption of **heat** from renewable sources	kWh	Stat. Key figure
EV1240	consumption of **steam** from renewable sources	kWh	Stat. Key figure
EV1250	consumption of **cooling** from renewable sources	kWh	Stat. Key figure
EV1260	consumption of **self-generated non-fuel renewable energy** (e.g. PV plant)	kWh	Stat. Key figure
EV1270	consumption of **other renewable energy sources**	kWh	Stat. Key figure
EV1300	**renewable energy production**	kWh	Stat. Key figure
EV1400	**non-renewable energy production**	kWh	Stat. Key figure
EV1500	**total energy consumption per net revenue**	kWh/€	calculated key figure
NODE_EV1600	consumption of **refrigerants total**	kg	KP / Summierungsstufe
EV1610	*consumption of refrigerant R404A*	kg	Stat. Key figure
EV1611	*consumption of refrigerant R407A*	kg	Stat. Key figure
EV1612	*consumption of refrigerant R407C*	kg	Stat. Key figure
EV1613	*consumption of refrigerant R410A*	kg	Stat. Key figure
EV1614	*consumption of refrigerant R134A*	kg	Stat. Key figure
EV1615	*consumption of refrigerant R32*	kg	Stat. Key figure
EV1616	*consumption of refrigerant R22*	kg	Stat. Key figure
EV1617	*consumption of refrigerant further*	kg	Stat. Key figure

Standardberichterstattung wird in SAP/SAC erfolgen / ist in Arbeit
(Fertigstellung September 23)

AFI Tool zur Berechnung von Nachhaltigkeit

- Neue Seite im AFI-Tool zur Unterstützung nachhaltiger Investitionen.
- Macht Nachhaltigkeit berechenbarer.
- Die eingesparten, umgerechneten CO_2 Emissionen werden von der Investitionssumme abgezogen.



Jahr	CO_2 Preis [€ / t]
2023	60
2024	70
2025	80
2026	90
2027	100
2028	110
2029	120
2030	130

Sustainability

Savings through reduction of electricity demand

Description of saving	kWh saving	Country	CO_2 factor [kg/kWh]	Saving [t CO_2]	Saving [€ CO_2]
PV Plant	1.429.569	Romania	0,256	**366,0**	**21.958**

1. Eingabe der eingesparten Energie

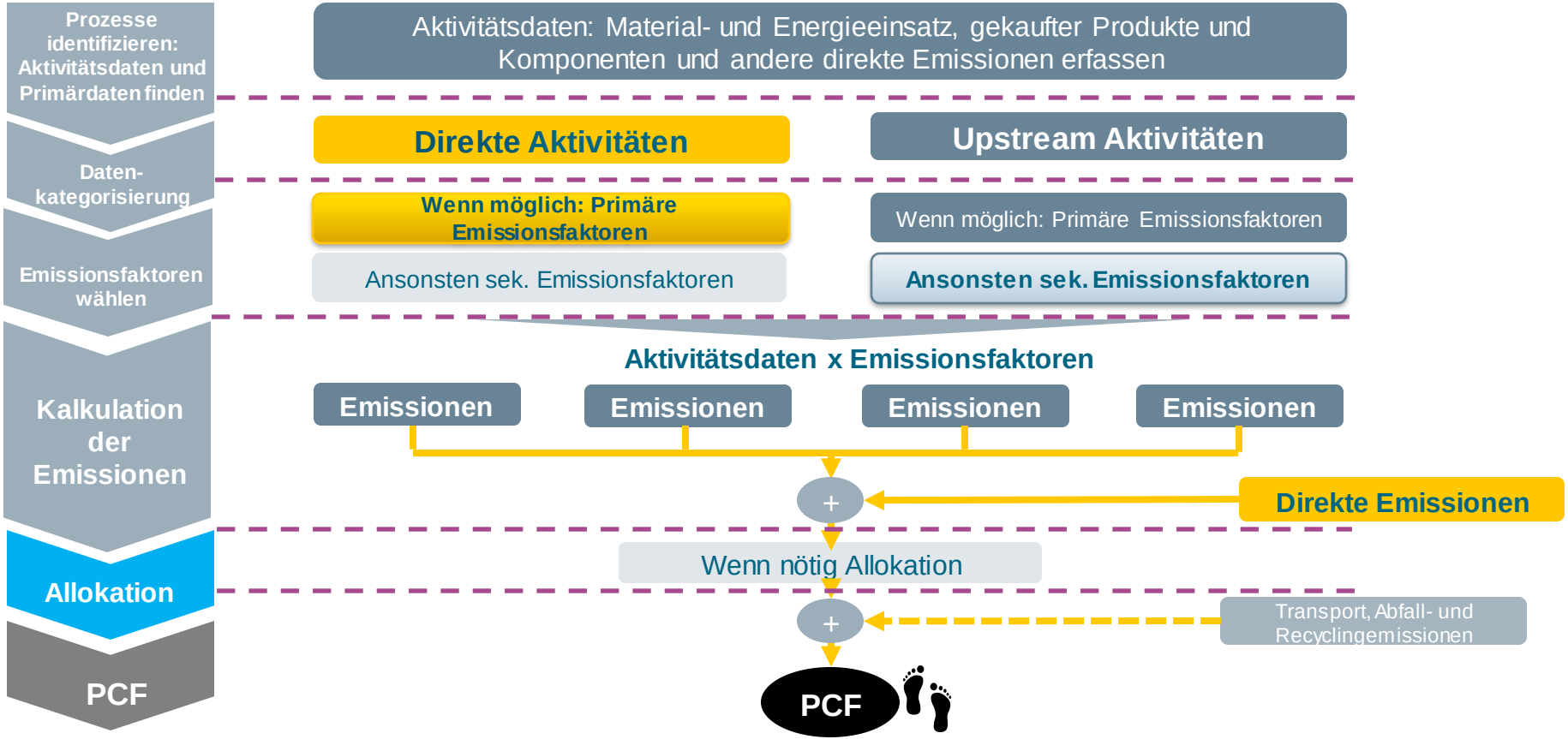
2. Wahl des Landes, in dem das Projekt durchgeführt werden soll

3. Der entsprechende CO_2-Faktor wird automatisch hinzugefügt

4. Die CO_2-Einsparungen werden automatisch berechnet

Schritte der PCF-Berechnung

Pathfinder Framework Guidance for the Accounting and Exchange of Product Life Cycle Emissions



Nadine Frank
Umwelt- und Nachhaltigkeitscontrollerin
Dept.: Beteiligungscontrolling
E-Mail: nadine.frank@HARTING.com
Phone: +49 577247 - 9257

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Vielen Dank

für Ihre Aufmerksamkeit!

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