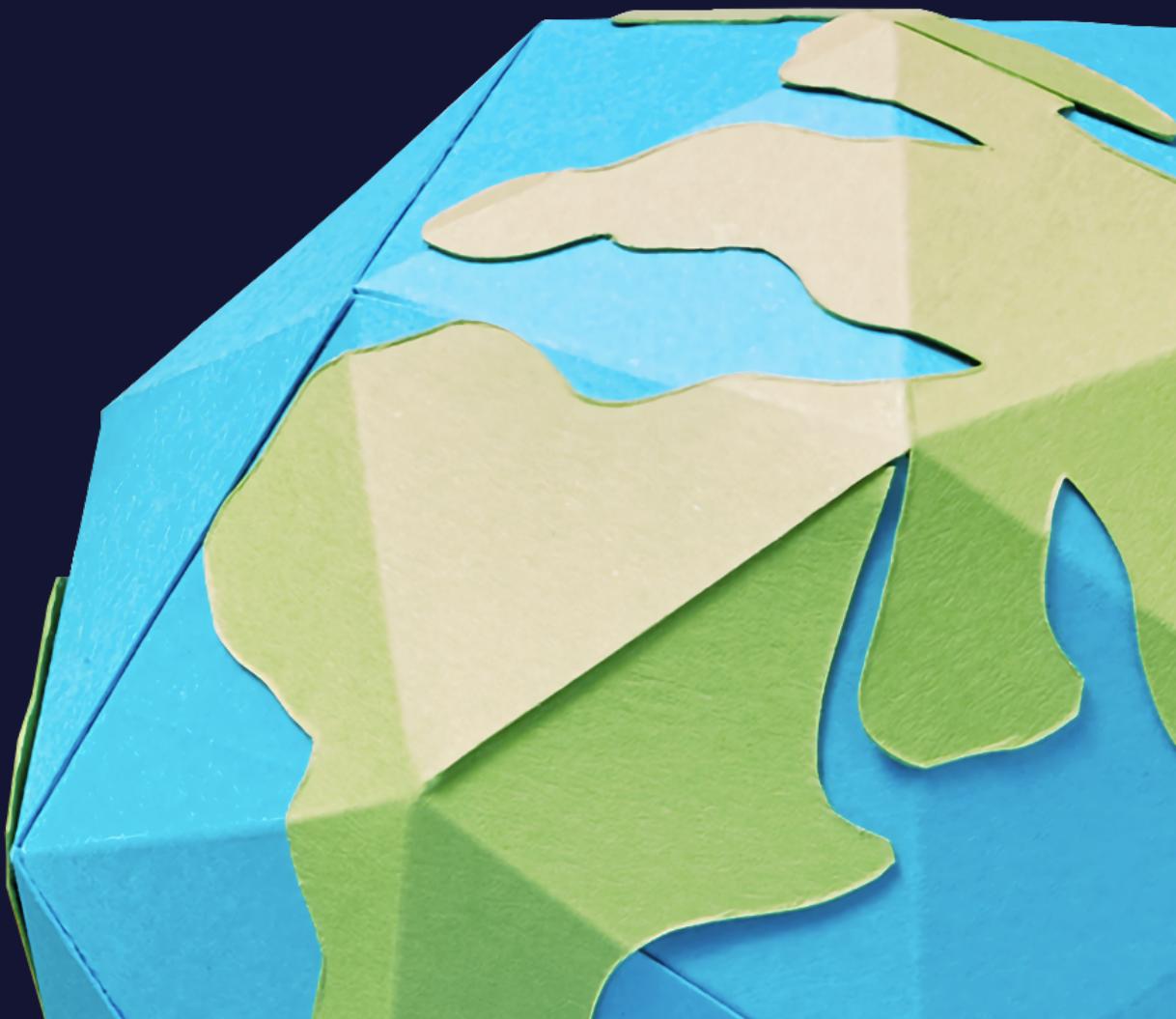


# Towards net zero carbon, and beyond!

Enfuce report for 2021



# Table of contents

03	About Enfuce
04	Our Values
06	Our Approach to Climate Action
09	Background of the Climate Pledge
10	Our Emissions
11	Definitions of Categories / Calculating Principles
12	Emissions by Category & Analysis
15	Analysis
16	Action Plan
18	Offsetting

**Enfuce is proud to be a signatory of the  
Climate Pledge. This report provides:**

- general information about Enfuce's values and sustainability actions;
- emissions calculations and analysis from the year 2021;
- information on how Enfuce avoids, reduces, and offsets emissions.

# About Enfuce

Enfuce's vision is to be the world's number-one payments company for our customers, and the best workplace for our employees.

Sustainability has been one of the company's core values since the foundation in 2016. We drive environmental awareness and corporate responsibility in our products, our partnerships, and the way we conduct everyday business. Sustainability is also a key value and driver for many of our customers and their customers.

We are a trusted card issuing and payment processing partner for many European financial institutions, fintechs, and growth companies. Enfuce has become one of Europe's leading payment processors delivering cutting edge debit, prepaid, and credit card solutions across Europe and scaling globally.

Enfuce signed the Climate Pledge to carry responsibility over the future of our planet and the generations to come. We realised we needed to reduce emissions faster than our previous rate and achieve net zero annual carbon emissions by 2040. We have already made choices and applied procedures that have set us on a good track towards becoming net zero.



**Monika Liikamaa,**  
Co-Founder and Co-CEO

**"The time to talk has passed and we need actions. Humankind is at stake, and we all have a responsibility to leave the world behind us better than we found it.**

**The only companies that will survive are the ones that take actions and systematically work to achieve net zero in their own business and empower their customers, partners, employees, and communities to do the same.**

”

# Our Values



## THINK BIG

We set bold goals and work towards them with daring thinking, curious minds, and forward-looking innovation. We look for new, better ways of doing things to excel with our customers, partners, and colleagues.



## COLLABORATION

We wreck silos by sharing knowledge and carrying responsibility over team borders. We value collaboration with customers and partners, and constantly have our ear to the ground to learn with them, grow together, and support them over the finish line.



## EXCELLENCE

We proudly claim our place as top experts in the payments value chain. We set the bar high with everything we do and take the driver's seat with customers to exceed their expectations. We respect the delicate nature of dealing with data and money and carry out security and compliance with excellence.

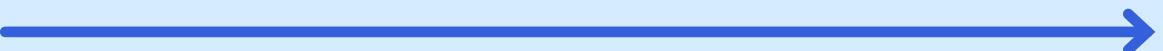


## SUSTAINABILITY

We drive environmental awareness and corporate responsibility in our products, our partnerships, and the way we conduct everyday business. We commit to fair play, transparency, and high ethics towards our customers, employees, and all other stakeholders.



**Towards net zero carbon**



# Our Approach to Climate Action

At Enfuce, sustainability is integrated into business operations.

- We assess our climate change impacts through understanding, measuring, and reporting our Greenhouse Gas (GHG) emissions.
- We identify areas where we can avoid, reduce, and compensate our carbon emissions.
- We engage our employees, customers, and other stakeholders to take part in our sustainability work.

## Nudging customers towards low-carbon card choices

Enfuce encourages its customers to use digital products (tokenisation) instead of plastic cards, even though plastic cards are also included in Enfuce's offering.

During 2021, Enfuce developed the [MyCard](#) product for customers who wish to have physical cards. MyCard was launched in early 2022. Customers can choose from a wide selection of sustainable card materials, including recycled PVC, recycled PETG, and sea plastics (collected from ocean and coastal regions), and fully renewable materials like corn starch or wood.

The partner manufacturing the plastic cards has been chosen after thorough due diligence done by an external third party considering the possibilities for lower emission materials. We will continue to look for ways to minimise the emissions related to our MyCard product.



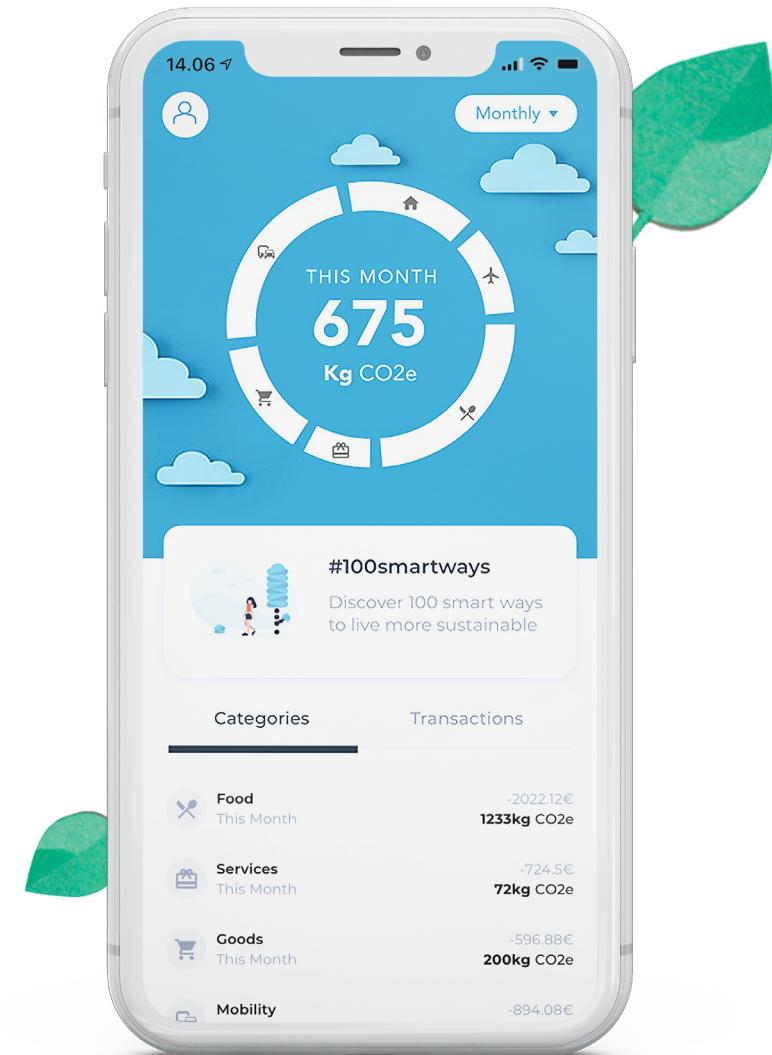
## We turn payments data into sustainability insight

Enfuce launched its sustainability service My Carbon Action in 2019. With this transaction-based carbon footprint calculator, companies can report their own emissions and encourage their customers towards more sustainable consumption habits.

Enfuce's core business is processing money. We enable processing of value in different formats, and we process and store sensitive data. We wanted to turn that data into impactful insights that help consumers consume and companies run more sustainably. That is how My Carbon Action was born.

### My Carbon Action as a sustainability reporting tool for banks

My Carbon Action helps banks to do reliable sustainability reporting, take effective measures to cut their CO<sub>2</sub> emissions, and communicate their commitment to sustainability across their stakeholders. The tool automatically calculates carbon footprint on banks' costs and transactions.



## **My Carbon Action as a sustainability service for bank and fintech customers**

The transaction-based model automatically calculates the CO<sub>2</sub> emissions of every purchase a company or consumer makes. It provides users with individual insights on the environmental effects of their consumption, nudging them towards greener choices.



### **This is how My Carbon Action works:**

- We use country-specific data sets and individual lifestyle information instead of generic global data sets to provide more accurate calculations.
- We provide over a hundred personalised tips to consumers on making more sustainable choices.
- We collaborate with the best carbon offset providers to enable transaction-based carbon offsetting.

### **Donation to preserve emission-reducing rainforests**

In 2021, we at Enfuce celebrated our five-year anniversary by donating to the Coalition for Rainforest Nations. The coalition brings emissions reductions from tropical rainforests at a multi-gigaton level by ensuring that the conditions to stop deforestation are present in all coalition nations.

# Background of the Climate Pledge

## What is the Climate Pledge?

The Climate Pledge is a commitment to be net zero carbon by 2040 that forms a cross-sector community of companies and organisations, working together to crack the climate crisis and solve the challenges of decarbonising our economy. The Climate Pledge was co-founded by Amazon and Global Optimism in 2019.



## What does it mean to join the Climate Pledge?

The Climate Pledge calls on signatories to be net zero carbon across their operations by 2040. Companies and organisations that sign the Pledge commit to three areas of action:

- Measure and report greenhouse gas emissions on a regular basis;
- Implement decarbonisation strategies in line with the Paris Agreement through real business changes and innovations, including efficiency improvements, renewable energy, materials reductions, and other carbon emission elimination strategies;
- Neutralise any remaining emissions with additional, quantifiable, real, permanent, and socially-beneficial offsets to achieve net zero annual carbon emissions by 2040.

→ <https://www.theclimatepledge.com/>

# Our Emissions

**With our carbon emission calculator, My Carbon Action, we have categorised our emissions in domains that help us to effectively target the hotspots of our operations which will help us to meet our net zero target and develop reduction strategies.**

The underlying data model for My Carbon Action has been developed by Enfuce together with the environmental consultancy D-mat Ltd. D-mat consults businesses and organisations in the fields of sustainable resource use, sustainable lifestyles, and footprint calculation. D-mat has a large network of partners, universities, and colleagues in numerous countries that we can utilise in developing the country-specific calculation models of My Carbon Action.

The carbon footprint of a purchase is estimated by using carbon intensity data from environmentally extended input-output models. Those carbon intensity figures (unit kg CO<sub>2</sub>e/€) are multiplied by the amount of money spent by the consumer based on the Merchant Category Code (MCC) or other more detailed data, where available.



# Definitions of Categories

This report includes scope 1-3 emissions following the guidance of the Greenhouse Gas Protocol.

**Scope 1:** Direct emissions as a result of the operations or industrial processes.

- For Enfuce, scope 1 is not applicable, as all our emissions are indirect.

**Scope 2:** Indirect emissions associated with the purchase of electricity, heating or cooling that power the buildings we rent.

- For Enfuce, scope 2 emissions are from our two offices.

**Scope 3:** Indirect emissions from all the other activities we engage in, up and down the entire value chain, our employees' business travel, our employees' commuting, and the energy used to run the services we obtain, for example cloud and marketing services.

- For Enfuce, data for scope 3 emissions was collected via company cards, invoices, a survey, and suppliers.

# Calculating Principles

To begin our reporting process, Enfuce did a materiality assessment using the GhG Protocol as guidance, particularly regarding scope 3 emissions. Listed right are the scope 3 categories that were relevant and significant to our operations.

- Purchased goods & services
- Business travel
- Employee commuting



# Emissions by Category & Analysis

## Scope 2

Location	Category	Emissions (metric tonnes / CO <sub>2</sub> e)	Description
Espoo	Purchased Electricity & District heating / cooling	8.2	We pay a fixed monthly fee to the property owner, which is based on m <sup>2</sup> and not on electricity usage or heating specifically. We made this calculation based on spend data. <b>The electricity is Green / Wind power.</b>
Mariehamn	Purchased Electricity	2.2	6,692 kWh consumed in 2021. We used the average price per kWh for green electric to calculate. <b>The electricity is Hydropower.</b>
<b>Scope 2 total</b>		<b>10.4</b>	

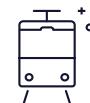
## Scope 3

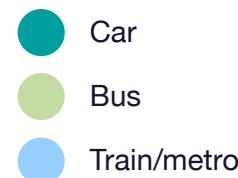
Category	Total (metric tonnes / CO <sub>2</sub> e)	Description
<b>Category 1: Purchased goods &amp; services</b>	395.4	
Software tools	112.7	
AWS	17.1	Estimated AWS emissions provided by AWS.
Equinix	8.1	
Electronics	47.7	
Marketing	169.1	
Services	11.5	
Office	13.5	
Restaurants	11.1	
Retail	3.5	
Apparel	1.1	
<b>Category 6: Business travel</b>	49.5	
Transportation	37.2	
Accommodation and other travel expenses	12.3	
<b>Category 7: Employee commuting</b>	5.7	
<b>Scope 3 total</b>	<b>450.6</b>	

## Employee commuting in 2021

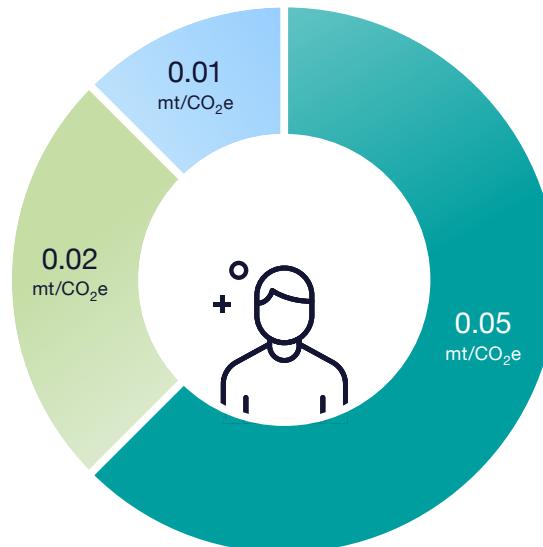
The annual average number of Enfuce employees was 74. Due to the COVID19 pandemic, our employees worked remotely more than usual, and the number of trips to and from offices was exceptionally small compared to a normal year.

Total trips (includes to office and back home) per person: **84**  
Average distance travelled (to office and back): **22 km**

	Car	<b>3.6 metric tonnes / CO<sub>2</sub>e</b>
	Bus	<b>1.2 metric tonnes / CO<sub>2</sub>e</b>
	Train/metro	<b>0.9 metric tonnes / CO<sub>2</sub>e</b>



Total commuting emissions per employee  
**0.08 metric tonnes / CO<sub>2</sub>e**



Scopes	Total (metric tonnes / CO <sub>2</sub> e)
Scope 1	N/A
Scope 2	10.4
Scope 3	450.6
<b>Emissions total</b>	<b>461.0</b>
<b>Offsetting total</b>	<b>461 metric tonnes</b>
	<a href="#">Read about our offsetting on page 18.</a>

# Analysis

**In our calculation, we were able to distinguish much of our emissions based on the activities they originated from. This ability makes understanding our emissions and how to act much easier. It enables us to know where to focus our attention and to produce effective reduction strategies.**

The most emissions were from the Scope 3 category 1 (purchased goods & services). The highest impact subcategories within purchased goods and services, which we developed for our purposes, are associated with software and marketing. Software is related primarily to licenses and subscriptions. Marketing relates primarily to advertising agency work.

Business travel was the third largest contributor to our emissions. This includes transit by car, bus, train & flight as well as emission related to accommodation, i.e., hotels. By including accommodation, which is optional according to the GhG Protocol, we have a very holistic picture of business travel emissions.

The next largest contributor is the subcategory of electronics in purchased goods & services, which relates to electronic hardware. However, the possibility of getting information from some of our suppliers is still limited.

The information regarding employee commuting has been obtained through a survey and then through subsequent calculations. 31% of trips to and from the office were by car, but 42% of trips were by public transport and 27% by walking or cycling. This means 69% of trips to and from the offices were made using low carbon options.

The pandemic was surely reflected in the employee commuting as many of the employees were working from home during the year 2021, resulting in reduced emissions for employee commuting. Further, car transit might have been higher than normal as a percentage due to concerns about safety on public modes of transit.

This sustainability report has not been assured by a third party. However, as stated, the emission factors and the underlying spend-based data model were developed together with the environmental consultancy D-Mat Ltd.

# Action Plan

**Scope 3 is our main source of emissions so the strategy for reducing emissions is through lowering the emissions related to procurement. We are developing new policies to support sustainable procurement.**

Enfuce works closely with the suppliers to reduce carbon emissions. Enfuce has historically chosen suppliers who use renewable energy. Enfuce is now mapping the suppliers to require that the suppliers value and focus on sustainability. This means that Enfuce is ranking the suppliers evaluating the sustainability related risks at the same time as other risks, for example country risks, are being evaluated. Enfuce's information regarding the supply chain will constantly increase.

Software should be chosen not only based on commercial terms but also based on sustainability. We will only choose suppliers who share our views on sustainability. When buying furniture for new offices, sustainability standards will be considered.

For business travel, Enfuce is adjusting the companies' policies to ensure that the flights are booked with airline companies focusing on sustainability issues or those which have a higher percentage of lower carbon fuel stock.

We will book hotels embracing recycling and using green energy. Enfuce is encouraging its employees to walk or bike or use public transport or a carpool when coming to the office.

Following the publication of this report, Enfuce will have educational forums to increase the knowledge around our emissions and share new policies and practical steps employees can take to reduce emissions.

In the years to come, there will be a growth in both our geographic footprint and commercial operations with customers.

As we grow, we will need to develop short-term and intermediate targets to guide the reductions across the business with ongoing monitoring to meet the commitment to net zero carbon by 2040.

Both processes for monitoring and reducing emissions as well as governance related to sustainability are being developed.



**Denise Johansson,**  
Co-Founder and Co-CEO

**“With the insight from My Carbon Action, we can now focus our action on the areas that will have the biggest impact, such as sustainable procurement.**

**As Enfuce expands geographically and grows commercially, we will need to develop short-term and intermediate targets and do continuous monitoring to guide the reductions across the business and meet the commitment to net zero carbon by 2040.”**

”

# Offsetting

Enfuce chose Compensate Operations Ltd for offsetting after thorough background checks. Compensate was chosen as a partner because they use a dynamic and diverse portfolio approach for offsetting, and they also overcompensate.

Their product is called Compensate Credit and it is a high-quality carbon credit that builds upon international standards such as Gold Standard and Verra but goes even beyond them. The Compensate Credit has an in-built overcompensation that mitigates the risks related to carbon projects and provides a more robust compensation claim compared to standard carbon credits.

After calculating the emissions for the year 2021, Enfuce has bought carbon credits corresponding to an amount of 461 metric tonnes of CO<sub>2</sub> emissions.



## Compensation Impact Report

Carbon offset  
**461,000 kgCO<sub>2</sub>**

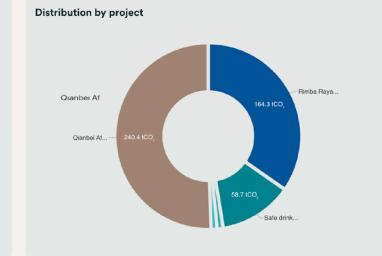
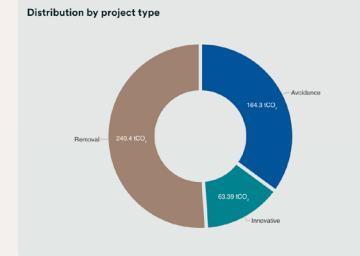
461,000 kgCO<sub>2</sub> is equal to the carbon footprint of

Protecting  
**8,382**  
square meters of rainforest

Driving  
**2,095,455**  
kilometers in a petrol car

Brewing  
**3,841,667**  
cups of coffee

### Carbon project distribution



# Our Experts

## Maria Gartz

Compliance Specialist  
[maria.gartz@enfuce.com](mailto:maria.gartz@enfuce.com)  
+358 50 337 6049

## Monika Liikamaa

Co-Founder & Co-CEO  
[monika@enfuce.com](mailto:monika@enfuce.com)  
+358 50 306 5213

## Denise Johansson

Co-Founder & Co-CEO  
[denise@enfuce.com](mailto:denise@enfuce.com)  
+358 40 079 4121

## Niklas Apellund

Co-Founder & CTO  
[niklas@enfuce.com](mailto:niklas@enfuce.com)  
+358 40 163 7720

→ [www.enfuce.com/sustainability](http://www.enfuce.com/sustainability)

