

# Sustainability report

2023

**MARENIUS**  
ELEKTRONIKUTVECKLING AB

# About us

## Our Business idéa

Marenius offers products and design services in electronics for vehicles, industry, audio / video and telecom. We work closely with our customers and together we develop long life, high-quality products.

## Our customer promise

The customer will always have a great influence of the product's design throughout the development phase. Together with the customer, we have the opportunity to create products that are both sustainable, contribute to less environmental impact in the user phase and with a high quality that lasts a long time. The customer will receive the best possible support during the entire life cycle of the product



# Focus on the customer

We are driven by innovation and to constantly, together with our customers, develop and improve our products. Our customers and their satisfaction are our main focus and it is our ambition to always deliver the highest quality

# Sustainability at Marenius

In 2003, our focus on quality and the environment led us to undergo our first ISO certification, which has been an important tool for our business ever since.

Our focus on quality and environmental is based on a desire to develop products that save resources for the end user and the components and products should maintain high quality with a long service life.

In 2021, we decided to take the next step and review the entirety of our sustainability work. This document is the start of our work and describes our view of sustainability, our most important areas of improvement, where we stand today and the measures we plan to implement in the coming years.

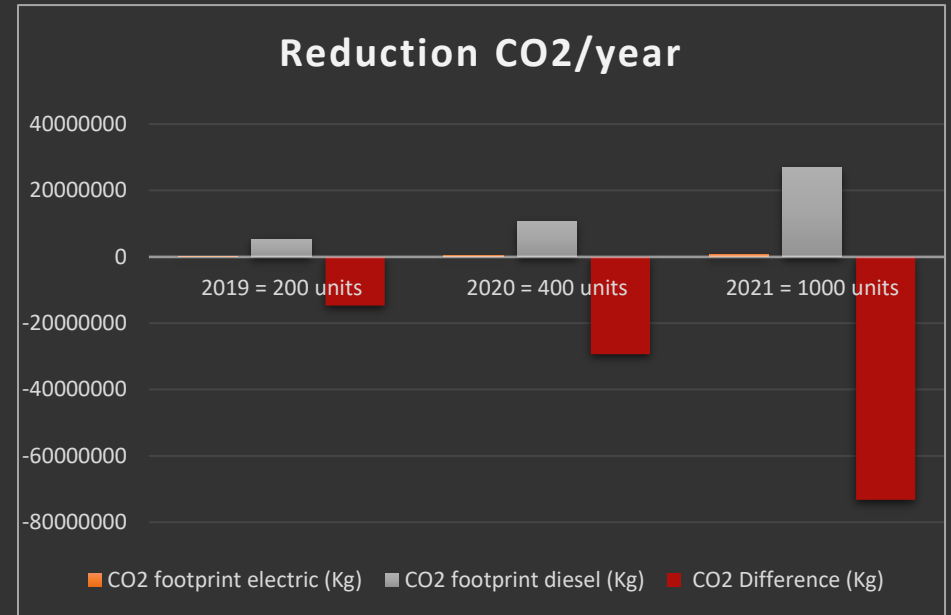
In our sustainability work, we also have the support of our owners Calectro AB to find development, improvement and measurability together.

# Innovation and development

Innovation and development are also important for our sustainability work. Our main opportunity to contribute positively is by developing for energy saving. We at Marenius have a major impact on design and component selection. In this way, there is a great opportunity for us to improve the environmental performance of the end products and thus save energy in the user phase. Our products also contribute to good air quality in buildings, which can affect people's health and well-being in a positive direction.

Our products are constantly improving to offer increasingly energy efficient and optimized solutions. We have high demands on quality and longevity and we take responsibility for ensuring that our products can be serviced for a long time. This contributes to resource efficiency and a more sustainable product.

In 2019, units were delivered to 200 heavy vehicles. In 2021, the corresponding amount was 1000 units. In the user phase, each electrified truck or bus that replaces a diesel-powered one means a reduction of CO<sub>2</sub> from fuel by 655 grams of CO<sub>2</sub>/km\*. If each vehicle drives 40,000 km per year\*\* it provides a reduction of 29,280 kilos of CO<sub>2</sub> per truck. Below image is an attempt to illustrate the possible reduction in emissions.



\* Calculated on the Swedish Energy Agency's report fuel 2019 and average emissions of 0.25 liters/kilometer and that the energy comes from the same energy supplier that we ourselves use.

\*\* Based on Statistics Sweden's statistics, <https://www.scb.se/hitta-statistik/statistik-efter-amne/transporter-och-kommunikationer/vagtrafik/korstrackor-med-svenskregistrerade-fordon>.

# Our Sustainability Work

Sustainability is about our ability to positively influence and our desire to minimize our negative impact. When we review our sustainability work, we are inspired by ESG as a system and look at three different parts:

- How we influence the environment - Climate and environment issues with us and with our suppliers.
- How we influence socially – Our work environment and how our purchases affect people.
- How we manage our work to ensure that we work in the right way and in the right direction



## Environmental

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Climate and energy use  
Responsible use of (nature) resources and chemicals  
Minimize waste  
Suppliers' environmental work



## Social

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Working conditions and working environment  
Suppliers' social conditions



## Governance

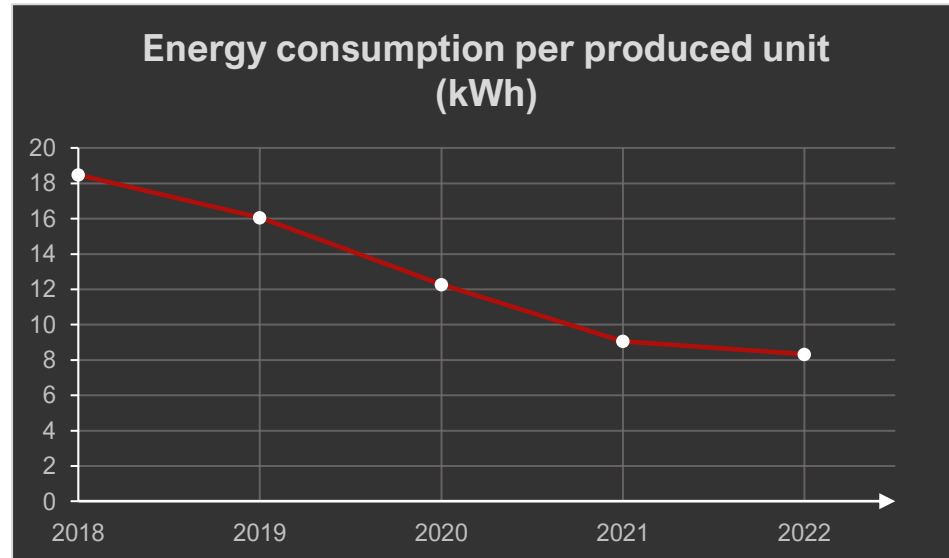
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Management system  
ISO 14001 + 9001  
Systematic environment management

# Climate action and energy use

The climate crisis is a reality, and we want to be a part of the solution and reduce our emissions to prevent global warming and fight climate change.

We have for many years measured our annual energy consumption and strived to reduce our energy consumption per unit produced.



In 2022, our goal is to, together with our owner Calectro, start measuring our total carbon footprint according to the GHG protocol. It will enable us to set measurable goals for our business and set clearer requirements towards our suppliers.



## Chemicals

We use a few chemicals/chemical products. These are handled in accordance with applicable legislation. Our goal is to minimize use and replace with less harmful substances whenever possible.



## Materials

We strive for using environmentally friendly materials in our products. The wood raw material in our Noisebox comes from responsibly produced and certified forest raw material (FSC).



# Responsible use of natural resources

We are aware that one of our biggest challenges is that the raw materials needed in our products have a negative impact on the climate and the environment. We have analyzed our work today as a first step to increase the resource efficiently in the future. We use the waste hierarchy for the efficient use of resources.

**Minimize:** Our focus is always to minimize. By designing for less material consumption, reducing our waste and reducing the number of complaints, we can reduce material use per unit produced.

**Reuse:** We also strive to increase the service life of our products and, whenever possible, to offer service and repair. We aim to increase the proportion of recycled materials in our packaging. At present, many parts of the product require virgin raw material for functional reasons. There is a lot going on on the material side and we are following the development and aiming to be able to use more recycled materials in our products in the long term.



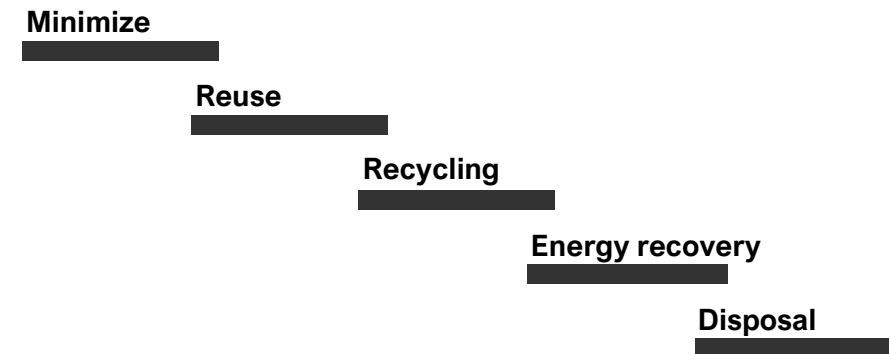
# Minimize waste

**Recycling:** We want to reduce the amount of waste and recycle all our waste. We strive to ensure that all components of our products can be recycled.

Our goal is that all materials in our products can be recycled, but at the same time we realize that our ability to control how the product is taken care of when it is worn out is limited.

**Energy recovery:** We strive to minimize the volume we send to incineration.

**Disposal:** We strive for 0% disposal.



# Our employees and our work environment

Our employees and their skills are our most important resource. We want to be an attractive employer and thereby ensure that we find the right employees and can maintain their skills for a long time.

Basically, those who work with us feel good, do not get hurt and that they thrive and can develop both professionally and as individuals. Our working environment should be characterised by transparency and all individuals should be treated equally and with respect. We do not accept any form of bullying or harassment.

Good leadership means showing respect and care for each employee and creating an atmosphere of trust and openness. We have ongoing development discussions to follow up on well-being, work performance and the need for development and further education.

Our targets are linked to attractive workplace plus health and safety. In 2020, we achieved them all.

- ✓ Low staff turnover
- ✓ No workplace-related accidents
- ✓ No incidents





# Our suppliers

To prevent human rights violations and minimize negative environmental impact in our supply chain, we use our Code of Conduct in the dialogue with our suppliers.



However, as we are a small player, our ability to influence our suppliers' sustainability work is limited. We therefore focus on the choice of suppliers and review their sustainability work in connection with the purchasing process. In 2022, we will introduce a ranking from 1-5 on the suppliers we work with.

The rankings are based on their work with both climate and environmental and social parts of sustainability work. This is done in order to maintain documentation for our selection of suppliers and to make it possible to target and improve. Our goal will be to increase the proportion of highly rated suppliers and replace those with the lowest grades.



Whenever possible, we choose Swedish and European suppliers. We do this to contribute to jobs locally and reduce our transport.

# Management and governance

We manage our sustainability work through our management systems. In order to develop and drive our sustainability work forward, it will be important for us to find more concrete and measurable goals, and continuously follow up on them.



We work with products and components that require 3TG minerals and handle this through CMRT.

We work with a small amount of chemicals, and these must be approved according to REACH.

We have IMDS declarations on all our components for the automotive industry.

Regarding electronics, we comply with the legal requirements according to RoHS.