



**A very, very, very good image. And a very, very, very good carbon footprint.**

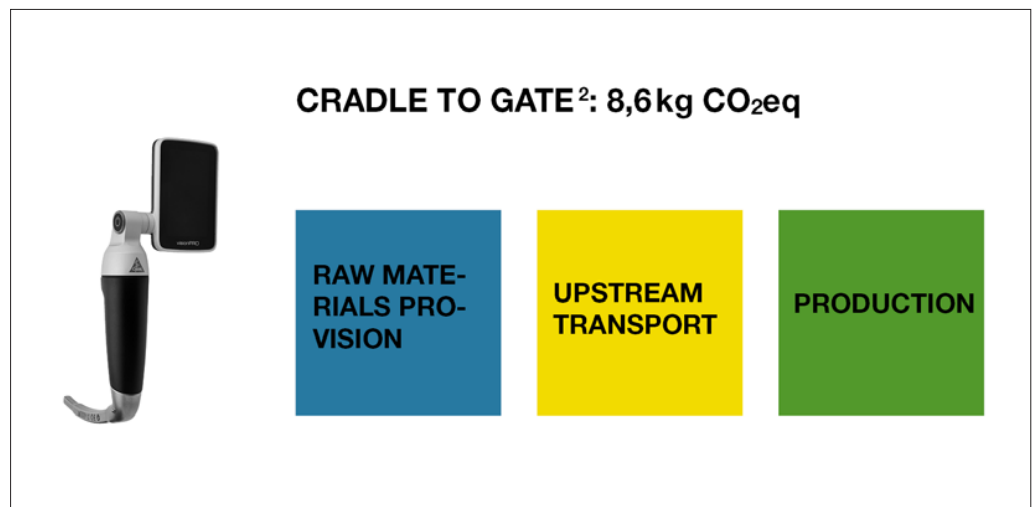
# Sustainability in the healthcare sector.

‘If we as clinics want to become more sustainable in an efficient manner, we need to know where the biggest levers are and then tackle them in a targeted manner. Over 80% of all sustainability impacts can be found in the supply chain at clinics.’

Dr Clemens Jüttner, Sustainability Officer, Sana Kliniken AG, Deloitte 2023 survey, Sustainability in German hospitals.

Digitalisation and decarbonisation are the big issues now and in the near future, including in medical facilities. Hospitals and clinics can do their bit to help reduce greenhouse gas emissions, which is where the HEINE video laryngoscope comes in handy:

**HEINE HAS CALCULATED THE CARBON FOOTPRINT OF THE visionPRO VIDEO LARYNGOSCOPE.<sup>1</sup>**



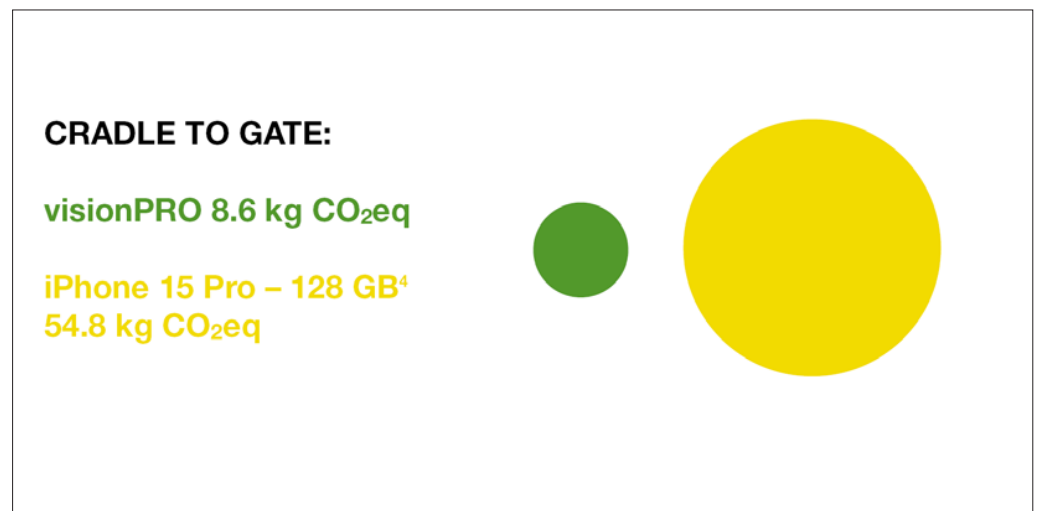
<sup>1</sup> The calculation is performed in accordance with the requirements set out in the standards DIN EN ISO 14040, DIN EN ISO 14044 and DIN EN ISO 14067.

The calculation is based on directly measured data for the internal manufacturing processes. Industry-standard average values from certified environmental databases were used for raw material provision processes.

The cradle-to-gate approach was used for the HEINE visionPRO video laryngoscope. This means that we have taken into account all of the emissions that are generated during raw materials manufacturing up to the moment the finished instrument leaves the HEINE premises.<sup>2</sup> The fact that we exclusively use green electricity from hydropower at our site reduces manufacturing emissions by 34% compared to manufacturing using a conventional electricity mix. That is how the significantly reduced carbon footprint of 8.6 kg of CO<sub>2</sub>eq<sup>3</sup> is achieved.

### IS 8.6 kg OF CO<sub>2</sub>eq A LOT OR A LITTLE?

Here is a simple example to help with understanding. Our evaluation refers exclusively to the visionPRO – not including the packaging and the charging station:



<sup>2</sup> Product evaluation is performed based on a cradle-to-gate approach, which means that all of the greenhouse gas emissions generated during product manufacturing are taken into account. Product manufacturing includes all of the material extraction processes, upstream transport from the direct supplier to HEINE and on-site processing through to dispatch.

<sup>3</sup> The term 'CO<sub>2</sub> equivalent' is a unit of measurement that is used to measure the impact that various greenhouse gases have on the climate. For a detailed explanation, please refer to our 2022 CSR report.

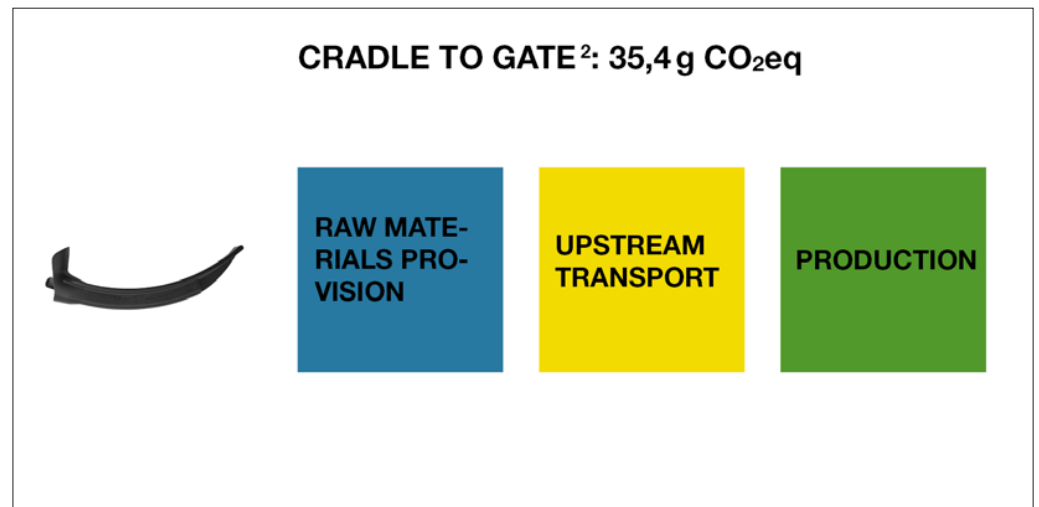
<sup>4</sup> [https://www.apple.com/environment/pdf/products/iphone/iPhone\\_15\\_Pro\\_and\\_iPhone\\_15\\_Pro\\_Max\\_Sept2023.pdf](https://www.apple.com/environment/pdf/products/iphone/iPhone_15_Pro_and_iPhone_15_Pro_Max_Sept2023.pdf)  
Evaluation incl. all in-box items and packaging.

## **THAT'S ALL WELL AND GOOD – BUT WHAT ABOUT THE SINGLE-USE BLADES?**

This question is a justified one, since consumables in particular are naturally a significant component in a medical facility's emissions balance due to the frequency with which they are used.

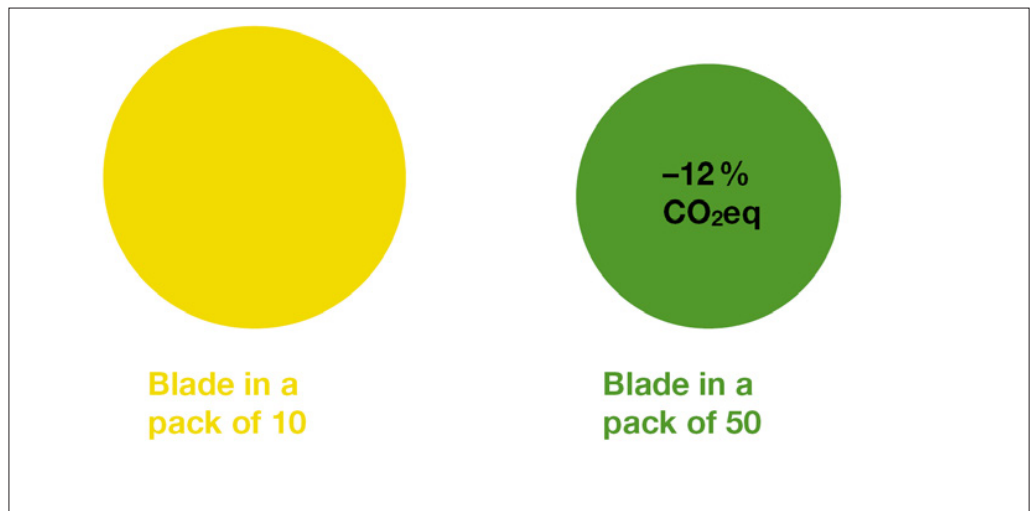
### **WE ARE TALKING ABOUT 35.4g CO<sub>2</sub>eq PER BLADE, INCLUDING PACKAGING.**

The use of green electricity and recycled plastic reduces manufacturing emissions by 79% (cradle to gate) compared to conventional manufacturing with an electricity mix and primary plastic.



## **MORE IS LESS.**

And, by the way, if you order a box of 50 instead of 10, you save another around 12% of CO<sub>2</sub>eq from a cradle to gate standpoint.



## **HOW TO SAVE TONNES OF CO<sub>2</sub> WITH FEATHERLIGHT BLADES.**

We also use recycled plastic from discarded refrigerators. We deliberately chose this type of plastic because HFCs and CFCs, which are extremely harmful to the climate, are captured when the refrigerators are recycled. These gases are hundreds, even thousands of times more harmful to the climate than CO<sub>2</sub>.

And by recycling these refrigerators in a controlled manner, we save the environment 124 tonnes of CO<sub>2</sub>eq per tonne of recycled plastic used. So this is clearly recycling!

## **GOOD FOR PRACTITIONERS. GOOD FOR PATIENTS. GOOD FOR THE ENVIRONMENT. A CLASSIC WIN-WIN-WIN SITUATION.**

You can find all the details on our website at [heine.com](http://heine.com)

# Quality made in Germany.

We live and breathe quality. In everything we do. Every product we make. Every lens we polish. Every screw we tighten. Every optic fiber we bundle. Always. Every day.

The durability of our primary diagnostic instruments is legendary. Every single instrument is the result of decades of product development, continuous improvements, production and a 100 % quality control in our own facilities. We make certain that our high expectations of quality are maintained.

It is how we ensure that our high-end products meet our claim of providing the most accurate and earliest possible diagnosis.

No more, no less.

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