

Product Environmental Profile

Maquet Meera Mobile Operating Table

Overview

Getinge sustainability ambitions

At Getinge we take steps to empower our customers to reach their sustainability goals. One way to do this is by looking at how we can make our products and solutions as resource efficient as possible. We are committed to reduce our carbon footprint by setting ambitious targets to become net-zero by 2050 in line with the Science Based Targets initiative (SBTi).

All manufacturing sites work with environmental management systems in compliance with ISO 14001.

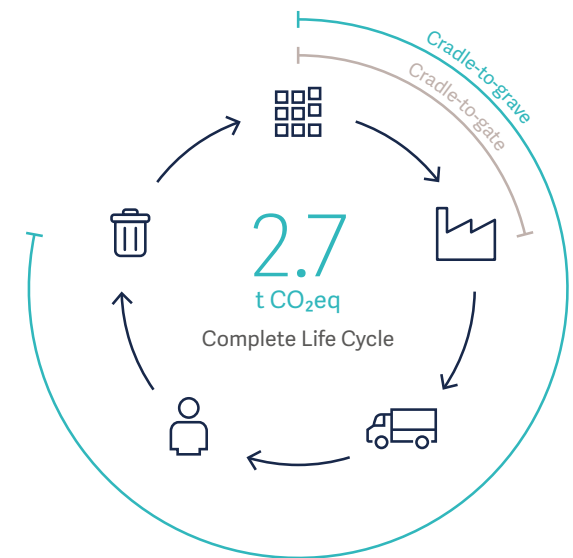
Read more about Getinge sustainability ambitions on our [website](#).

EcoDesign efforts

EcoDesign is standard practice at Getinge, focusing on using safer and fewer materials, incorporating circular solutions, and reducing media, energy, and water consumption.

The product was designed with a focus on minimizing both its mass and the number of components.

Product climate impact



The main cradle-to-grave results are representative for the EU market, please refer to page 5 for other regional scenarios.

Product description

Maquet Meera is a universal, mobile OR Table for surgical interventions consisting of a base, a column, and a table top. Mechanical and electrical interfaces are connected as well as additional medical devices such as several accessories:

- Control units
- Connection to main supply
- Leg support, back support, head support
- Side rail connected support systems, e.g. infusion stand

Main assumptions of the Life Cycle Assessment study (LCI parameters)

The operating table supports human patients up to 454 kg in various surgical procedures and disciplines.



Applicable directives and standards compliance for the product

Regulation (EC) n°1907/2006

REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals).

IEC 60601-1-9 (2020)

Medical electrical equipment - Part 1-9: General requirements for basic safety and essential performance - Collateral Standard: Requirements for environmentally conscious design.

Directive 2011/65/UE

RoHS Directive on the restriction of use of certain substances in electrical and electronic equipment.

Directive 2012/19/EU

WEEE Waste Electrical and Electronic Equipment.

Directive 2006/66/EC

Batteries Directive

Directive 1994/62/EC including 2004/12/EC

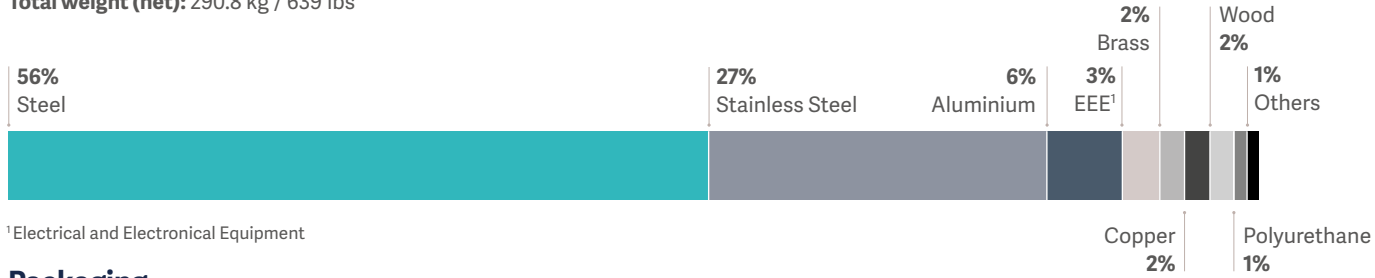
Packaging and Packaging Waste

China RoHS2

Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent Chromium (Cr VI), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP).

Product

Total weight (net): 290.8 kg / 639 lbs



¹Electrical and Electronical Equipment

Packaging

Total weight (gross): 94.6 kg / 207 lbs



Data input

The product was designed with a focus on minimizing both its mass and the number of components.

- Electrical consumption during movement: **260 W**
- Electrical consumption in standby: **2.25 W**

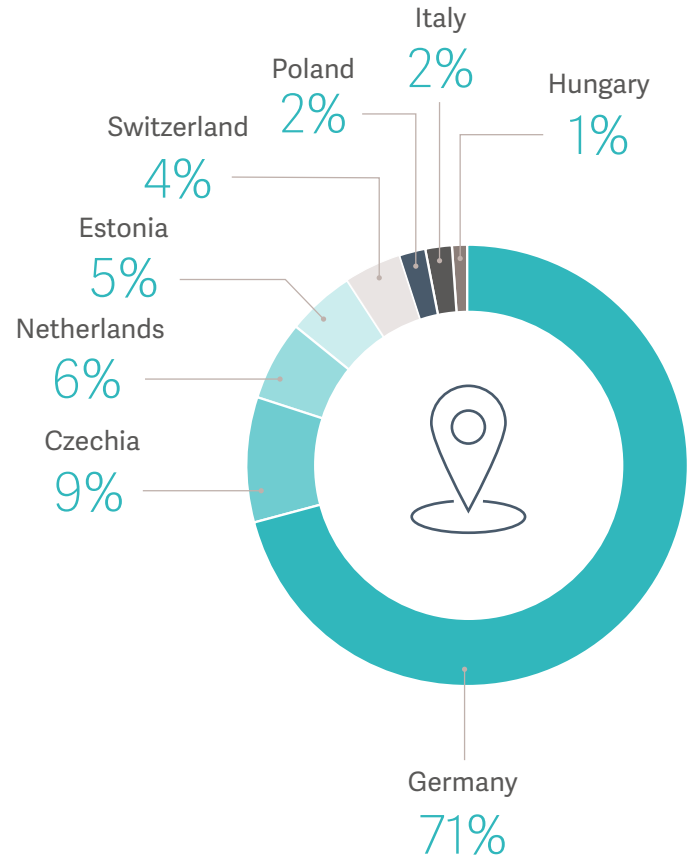
Recyclability



The following materials are considered recyclable: Steel, Alu, Bronze, Brass, Copper (except cables), Cardboard, Paper, Thermoplastics (PMMA, PVC, ABS, PC, PS, PET, PE, PA, PP, POM). Thermosetting plastics, elastomers and other materials not listed are considered non recyclable. Recycled content evaluated in the study but requires documented trail in the value chain.

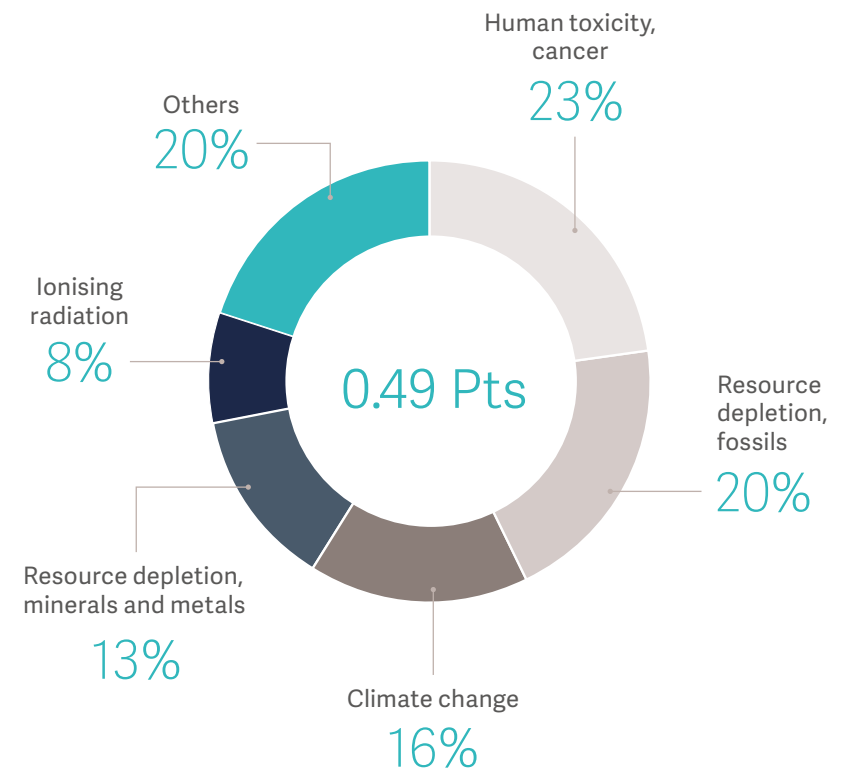
Supplier's location

The locations illustrated on this chart represent the origin of the suppliers utilized in the production of this product.



Environmental impacts

One point corresponds to the environmental impact of one person for one year. The result for this product is calculated over a period of 10 years.



Product environmental impact with focus on climate impact

The main cradle-to-grave results are representative for the EU market and for other markets, please refer to regional scenarios. This as the results are sensitive to key parameters that are within the customer and end-user control and dependent on their geographical location such as choice of transportation mode and distances and waste handling of product and packaging.

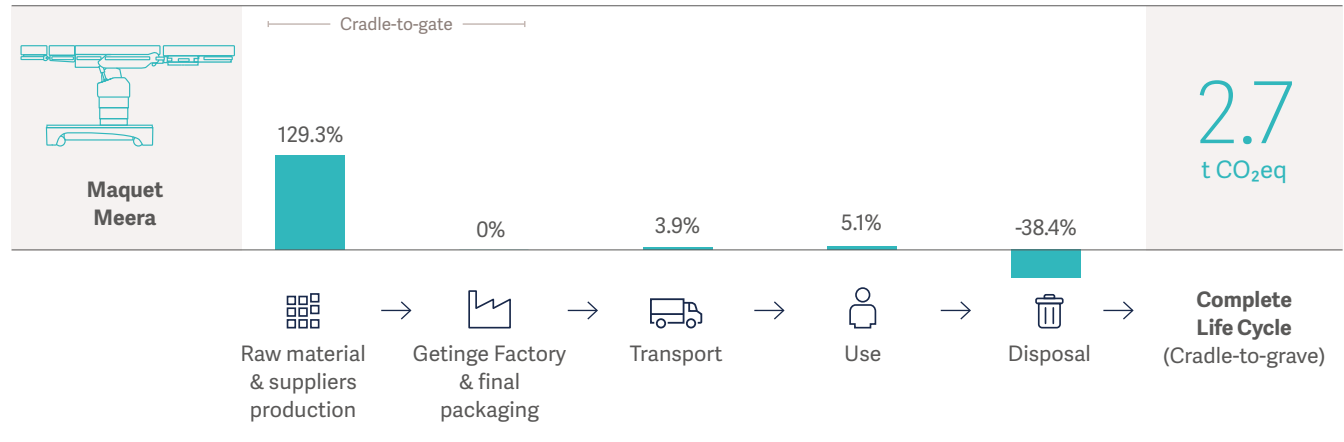
Recommendations to reduce the climate impact

Recommendations to customers and end-users to further reduce the climate impact of their use of the product:

- Recycling of the product
- Follow the usage and maintenance recommendations to extend the product's lifespan

Global Warming Potential

t CO₂eq



Regional scenarios t CO₂eq

Region	Raw material & suppliers production	Getinge Factory & final packaging	Transport	Use	Disposal	Complete Life Cycle (Cradle-to-grave)
Europe	129.3%	0%	3.9%	5.1%	-38.4%	2.7 t CO₂eq
North America*	123.2%	0%	6.8%	6.5%	-36.6%	2.8 t CO₂eq
South America**	121.3%	0%	3.7%	8%	-36%	2.7 t CO₂eq
APAC***	119.9%	0%	3.7%	9%	-35.6%	2.9 t CO₂eq
Middle East	117.3%	0%	3.6%	11%	-34.8%	3 t CO₂eq

*Based on US data

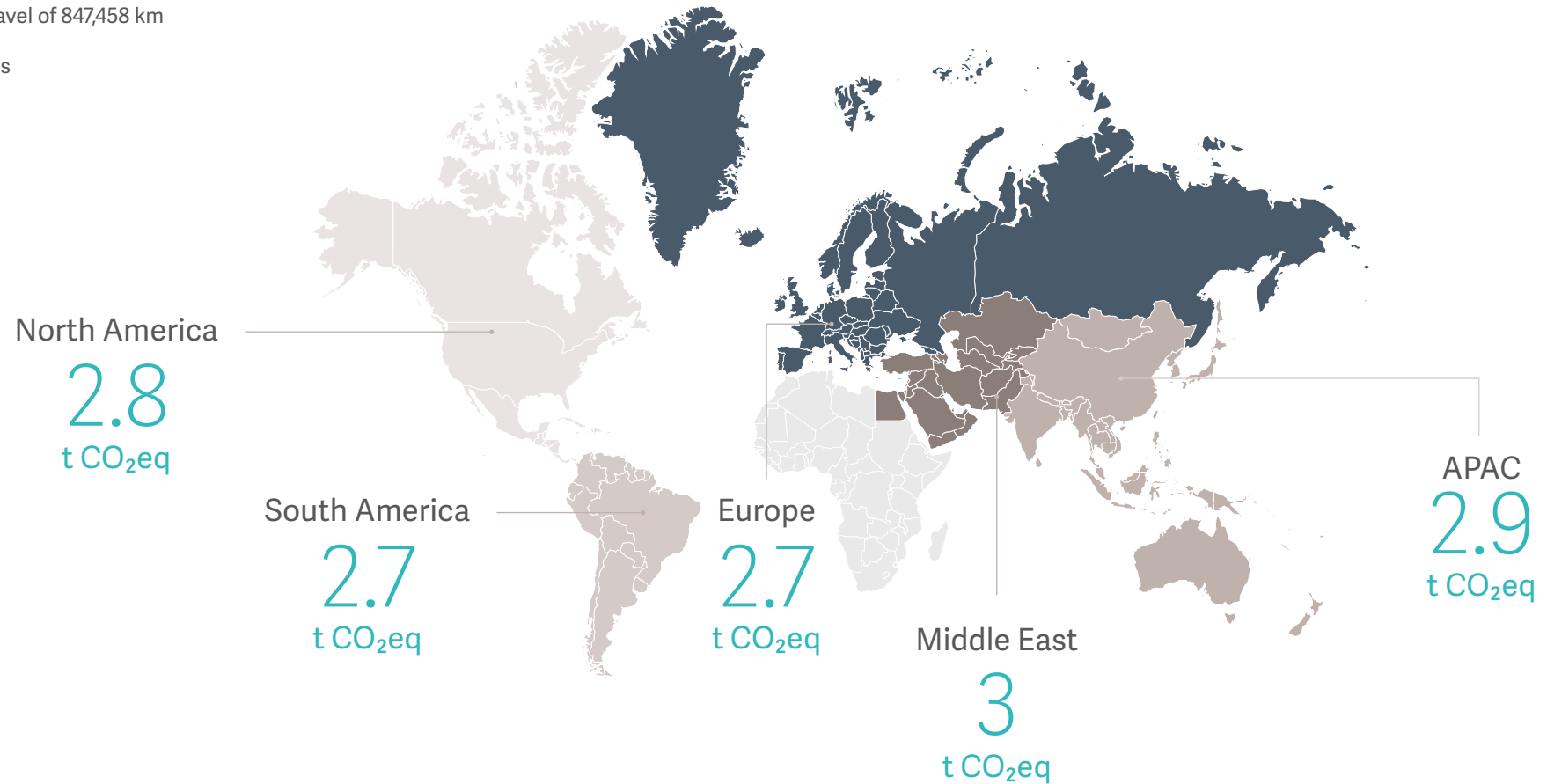
**Based on Brazilian data

***Based on Chinese data

Complete life cycle per region

For indication, the emission of 2 t CO₂eq is equivalent to:

- a car travel of 9,191 km (thermic car)
- a train travel of 847,458 km
- 13 laptops



The LCA and EcoDesign methods

Product Environmental Profile (PEP) communicates the results of a Life Cycle Assessment (LCA). This is a methodology for assessing environmental impacts associated with all the stages of the life cycle of a product, process, or service. I.e. for a product environmental impacts are assessed for the raw material extraction (cradle) followed by the whole value-chain further processing, through the product's manufacturing (gate), distribution and use, to the recycling or final disposal of the materials it is composed of.

The EIME (Environmental Impact and Management Explorer) software, version 6.0.5, and its database (version CODDE-2023-02) were used for the Life Cycle Assessment (LCA). Indicators from the PEP Ecopassport PCR3 – 2015 were applied. All LCA studies include holistic analysis of all relevant environmental impacts used for EcoDesign input. Further details can be available upon request, contact responsible PLM/R&D team.




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