



het stille verzet

Silent Seaweed LCA



Whenever we're looking for new designs, products or materials, nature is always our first source of inspiration.

We strive to create acoustical solutions that not only check the boxes of functionality and design, but that also contribute to creating a better tomorrow for our planet.

This Fast Track LCA is a quick assessment tool to determine the environmental impact of our products. We use it to assess the different steps in our production process and material usage. The FT LCA allows us to optimize the sustainability of our products at the start of the design process, resulting in significant environmental gains. The calculations are based on third-party life-cycle inventory databases which are in compliance with ISO 140040, 140044, EN15804, and the LCA handbook of the ILCD.

A carbon footprint is the total amount of greenhouse gasses (including carbon dioxide and methane) that are generated by our actions. The carbon footprint is expressed in kg CO₂e, in which all greenhouse gas emissions (in kilograms) are converted to the CO₂ equivalent. We work primarily with biobased materials that store CO₂ in biomass (biogenic carbon). This stored CO₂ is subtracted from the carbon footprint to calculate the total emission of our product.

According to our calculations Silent Seaweed has a negative carbon footprint of -1,4 kg CO₂e, which means that for every square meter Silent Seaweed we produce, we actually decrease atmospheric CO₂. Silent Seaweed is therefore a very environmentally-friendly product.


GOOD HEALTH
AND WELL-BEING



RESPONSIBLE
CONSUMPTION
AND PRODUCTION



INDUSTRY
INNOVATION
AND INFRASTRUCTURE



SUSTAINABLE LIVING

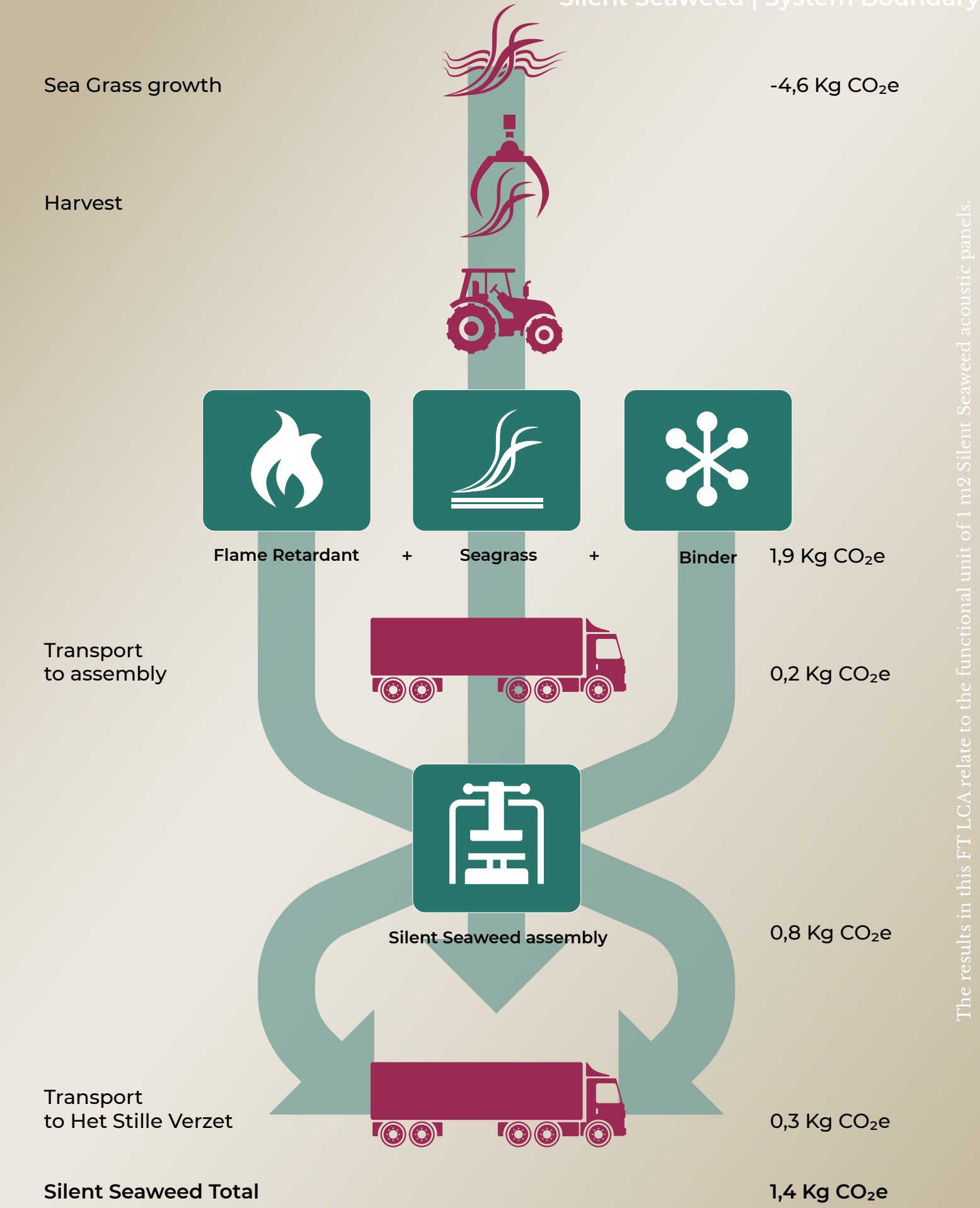


LIFE IN WATER



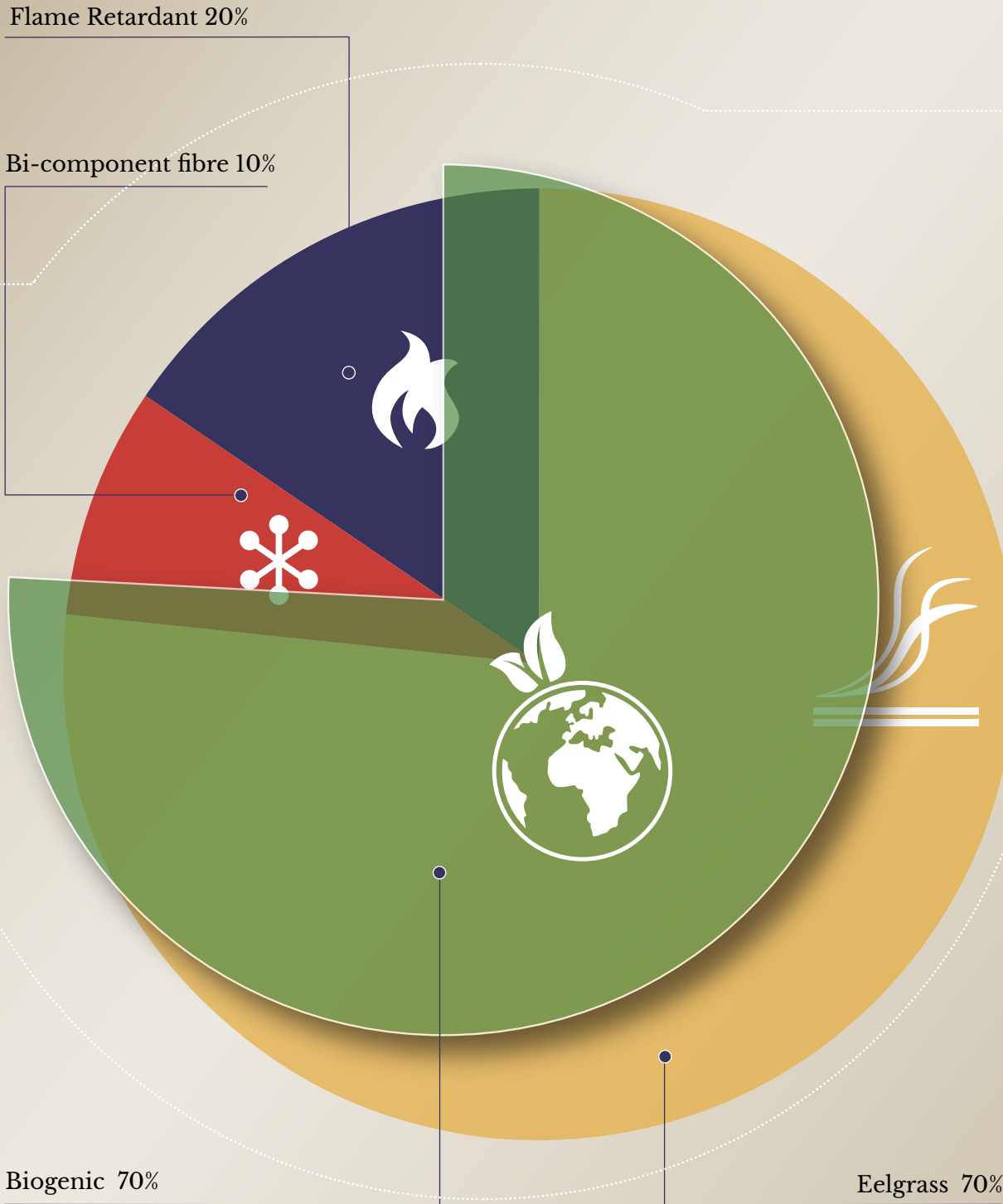
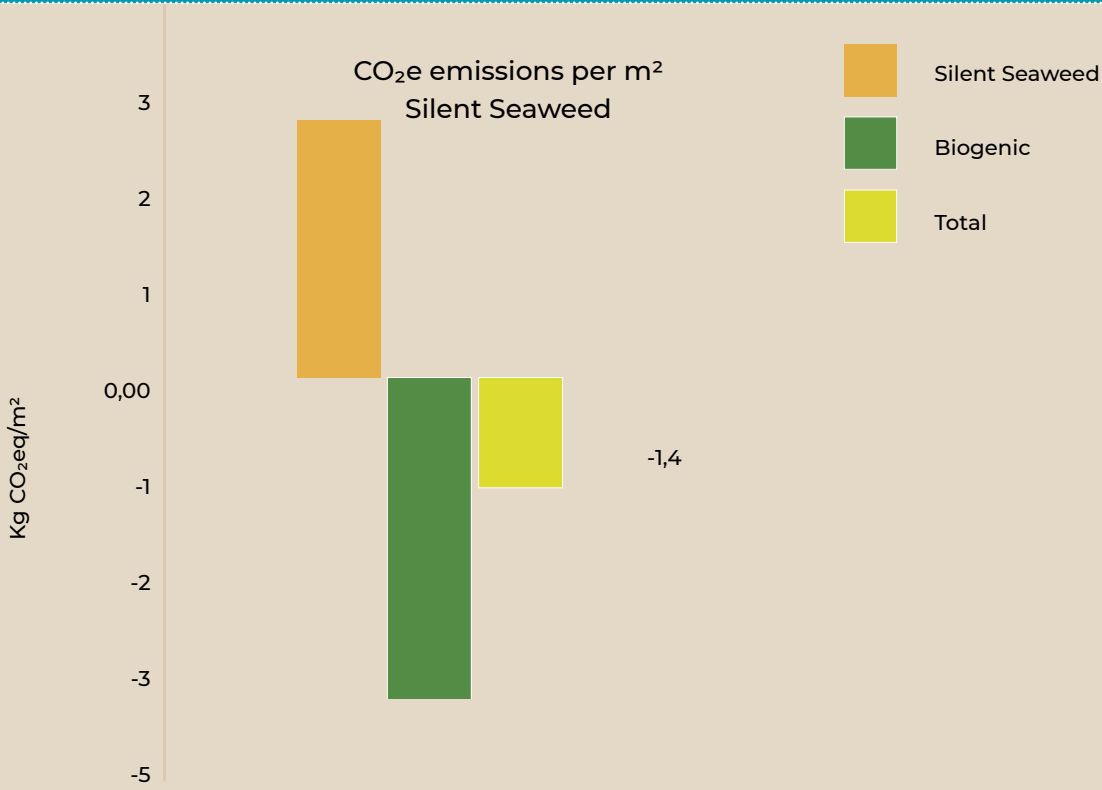
PARTNERSHIP TO
ACHIEVE GOALS





The results in this FT LCA relate to the functional unit of 1 m2 Silent Seaweed acoustic panels.

Table 5 Total carbon footprint	Unit	Raw material	Transport	Manufacturing	Sum
Silent Seaweed	Kg CO2-eq/m2	1,9	0,5	0,7	3,1
Biogenic	Kg CO2-eq/m2	-4,5	0,0	0,1	-4,5
TOTAAL	Kg CO2-eq/m2	-2,7	0,5	0,8	-1,4





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