



antec

Creating our renewable future

Impact potential

5/5 | Impact-generating

Net impact ratio

70% | Net impact mapped to SDGs ¹

Antec was founded in 2011 and is headquartered in Oslo, Norway. Antec's effective, circular and modular technology turns biowaste into valuable resources such as biogas, biofertilizer, circular fuels, clean heat, and renewable electricity. The technology is suited for a range of users, including farmers, manufacturers and wastewater plants.

antecbiogas.com

The problem

Global emissions from the energy sector rose by 6 percent in 2021 to the highest level ever. At the same time, we face a waste problem: by 2030, the planet will be generating at least 5bn tons of organic human and animal waste each year. Ineffective disposal of organic waste results in air and water pollution.

The solution

Antec's reactor produces biogas 3-5 times faster. Biogas production prevents emissions with a three-fold emissions mitigation effect. Firstly, biogas prevents the emissions of the decomposition of organic waste. Secondly, the biogas produced displaces fossil fuels as energy sources. Thirdly, the biofertilizer byproduct helps return carbon into the soil.



1. Using data from the Upright Project applying Norselab's custom value mapped to the SDGs. 58% with Upright's default value set.



Affordable & clean energy

Target 7.2

Antec's technology produces green energy from a resource that would otherwise go to waste, and contributes to increasing the renewable energy share in the global energy mix.



Climate action

Target 13.2

Antec's technology contributes to the reduction of emissions by replacing fossil fuels, preventing organic residues decomposition and reducing the production of fertilizers

Impact contribution

71 GWh

66 in 2021

Antec reactors installed have a total capacity of 71 GWh contributing to improving the share of renewable energy.



Responsible consumption & production

Target 12.2

Antec's technology ensures efficient use of resources by offering market-leading gas yield from food waste and by repurposing waste from the biogas production into agricultural fertilizers.

Impact contribution

31 000 mt

70 000 in 2021

An estimated 31 000 metric tons waste was treated in Antec's reactors, helping reduce organic waste decomposition.

Impact contribution

28 000 mt

20 000 in 2021

An estimated 28 000 metric tons of fertilizer was produced in Antec's reactors, reducing the need for mineral fertilizers.