

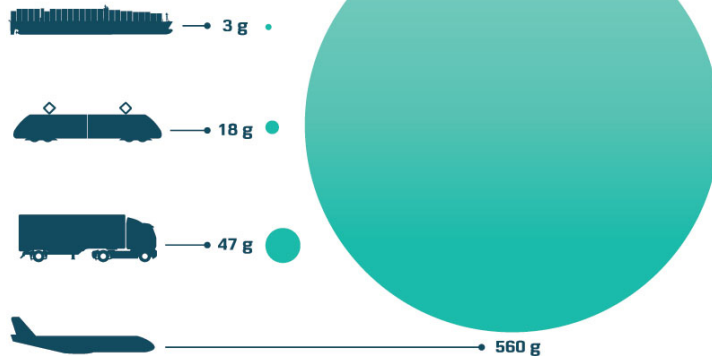
Triple-E for Maersk

Smart transport

Different modes of transport have different climate impact. Carbon distance reflects the difference in climate impact among different modes of transport between two locations.

Maersk StarFlower™ makes it possible to transport cut flowers by sea rather than by air, cutting the relevant CO₂ emissions by 98%.

Grams of CO₂ emitted by transporting 1 ton of goods 1 km



Triple-E stands for efficiency, economy of scale, and environment. The illustration above shows how, for marine shipping, the first two lead to greater protection for the third. The Triple-E ship is now being built for the [Maersk Line](#), one of the most prominent shippers in the world with 25,000 people and 600 ships. The first of 20 vessels, 400 meters long with a capacity for 18,000 containers, is being completed in a shipyard in South Korea and will be delivered this summer.

The [efficiency](#) of the ship is enhanced by its larger propellers, super long-stroke engine and unique hull shape, all designed for optimum operation at lower speeds than conventional ocean-going vessels. Being a larger ship than any other of its type gives the Triple-E an [economy of scale](#) that further drives energy savings. The result of all this is a much [lower "carbon distance"](#) - and therefore climate impact - not only compared to air, truck and rail transport, but to other ships as well. Triple-E class vessels will reduce CO₂ emissions by 50% per container moved. Beyond the efficiencies mentioned above, the ship also captures waste heat and is designed for [safe recycling](#) at the end of its useful life.

This is such a good story that the Discovery Channel is devoting [a six-part series](#) to it. In the meantime, you can look at this video.