3D printing could reduce global CO_2 emissions by 130.5 million tonnes by 2025

As 3D printing centralizes production and reduces the shipment of goods, CO_2 emissions could be reduced by 130.5 to 525.5 million tonnes by 2025, including a 5% reduction in manufacturing emission intensities.

That's the equivalent amount of CO_2 as...

302 million
barrels of oil consumed

14 million
homes' energy use in one year

712,000 railway trucks of coal burned

32
coal-fired power stations running for a year

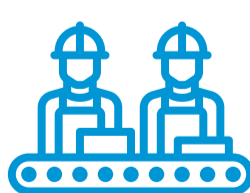CO2 equivalents source: United States Environment Protection Agency

3D printing lowers CO_2 emissions by:

1
Reducing tooling in pre-production

2
Lowering sub-assemblies required in mass production

3
Moving manufacturing closer to end users, significantly saving on freight