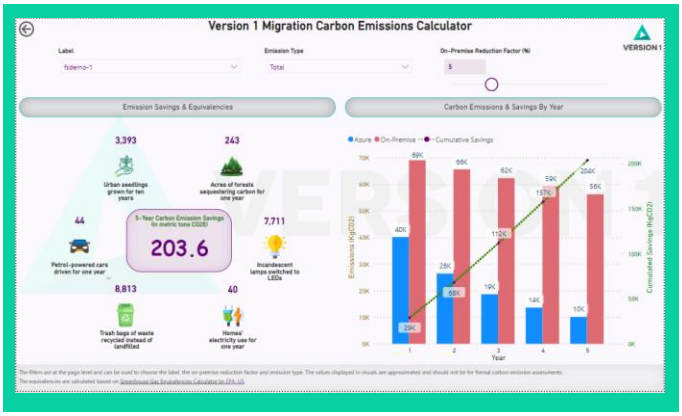
Cloud Migration Carbon Emission Savings Calculator

Calculate the carbon footprint saving of your planned migration

How can we set organisational goals and align key strategies to ensure that we achieve carbon neutrality by 2025? How can organisations become *greener?*

There is no doubt that cloud data centres are greener than their on-prem counterparts. Economies of scale, better infrastructure and improved efficiencies have made this possible. But exactly *how* much greener are they?

While tools to address this question already exist, they all have limitations. Some limitations are - ignoring the actual physical server emissions, using T-shirt sizing as a benchmark strategy, considering global and geographical variations for PUE and Carbon Intensity, calculating an on-prem emission based on matching.



Backed by academic and industrial sources, our methodology allows us to overcome those limitations. Our calculator returns the carbon emissions for both the on-prem and the planned cloud infrastructure, and projects those values for the next 5 years, also considering potentially infrastructural improvements.

Our calculator works with multiple cloud service providers at multiple locations. Additionally, for those clients not having jurisdictional, or latency-related issues, our calculators will provide suggestions for maximising carbon emission savings.

Objectives

- Calculate on-prem and cloud emissions for future migrations and/or hypothetical scenarios
- Display total or operational emissions only
- Project emissions for the next 5 years, accounting for potential improvements.
- Provide context and emissions saving equivalents such as car journeys saved, household waste recycled, etc.

Highlights

- Easy to use: accept CSV and APIs calls
- Multi platform.
- Multi location.
- Suggestions for maximising carbon emission savings.

Version 1 Innovation Labs develop innovative solutions and proof of value for customers to remain on the forefront of disruptive technology.

www.version1.com