

POLYGON SUMMARY

The blockchain of choice for SIMBA Chain Products.

June 22, 2022

In Summary:

Through Polygon’s climate sustainable blockchain technology, SIMBA Chain and Brugge are bringing NFTs to the rest of the world. Building on Polygon ensures our community that their digital assets are minted and created with the environment and a low carbon footprint as top priorities. Minting an NFT on Polygon emits significantly less greenhouse emissions (CO2 Kg) than sending an email with a photo attachment or a single hour video call, and is 99.9% more carbon efficient than Ethereum.

Environmental Impact:

99.9% more carbon efficient than Ethereum¹ with approx. \$0 minting costs² and lazy minting.

Action	KgCO2 emission
Ethereum NFT creation	83.000
Paperback book	1.0000
Weekend newspaper	0.3000
Per user FB yearly usage	0.3000
Email with photo	0.0500
One hour video streaming - all platforms average	0.0360
Polygon NFT creation	0.0098
Regular email	0.0040
Spam email	0.0003
Google Search	0.0002

About Polygon

Polygon is the leading platform for Ethereum scaling and infrastructure development. Its growing suite of products offers developers easy access to all major scaling and infrastructure solutions: L2 solutions (ZK Rollups and Optimistic Rollups), sidechains, hybrid solutions, stand-alone and enterprise chains, data availability solutions, and more. Polygon's scaling solutions have seen widespread adoption with 3000+ applications hosted, 1B+ total transactions processed, ~100M+ unique user addresses, and \$5B+ in assets secured.¹

References:

1. <https://www.globenewswire.com/news-release/2021/12/03/2345826/0/en/Bubble-house-partners-with-Polygon-to-become-the-first-carbon-neutral-and-eco-friendly-NFT-marketplace.html>
2. <https://beincrypto.com/learn/how-much-does-it-cost-to-create-an-nft/>