Why

The maritime transport industry is responsible for around 2.89% of anthropogenic greenhouse gases emitted globally, releasing around 1076 million tons of CO_2 into our atmosphere every year[1]. The entire logistics chain has a significant impact on the planet, which is only increasing as our consumption patterns continue to grow.

PortXchange is working as a supplier to this industry, supporting its companies to increase the efficiency of their operations driven by the desire to reduce the footprint per vessel movement. Only in this way, we stand a chance as an industry to accommodate the growing global trade volumes without exponentially increasing the GHG impact.

After being dormant for years, and dodging its responsibilities by not taking part in the Kyoto and Paris Agreements, the industry has woken up and is taking the reduction of its emissions very seriously, across regions, trades, and supply chain segments.

Most of the investments and initiatives towards 'Green Shipping' focus primarily on vessel design and alternative fuels. While these solutions are probably, eventually, the only way to completely reduce shipping related GHG emissions, they are also the most costly, time consuming and hardest technologies to implement, considering the global fleet of over 100.000 vessels that would need to be refitted or renewed.

A far less costly, more scalable and effective solution is available in the form of digitalization. PortXchange has committed itself to building digital solutions that support the shipping industry in reducing its footprint.

We are working throughout our value chain to reduce the environmental footprint of our customers and partners, and measure, monitor and reduce our own environmental footprint. We hope to inspire a movement of businesses looking to do the same.

[1] 4rd IMO GHG study (2020)

Where We Are

We partner with other companies across the globe to increase our impact and translate lessons learned between regions, trades, and value chains. We work closely with our partners to mitigate the environmental harm of shipping and hold our suppliers (and ourselves) to the highest environmental standards. We do this not because it's necessarily demanded of us, but because it's the right thing to do. Our main aim is to reduce emissions through increasing operational efficiency by using digital tools that can be scaled, and we only work with parties that share the same ambition to reduce their carbon footprint.

PortXchange has committed to numerous initiatives aimed at reducing our environmental impact across our business, such as sharing our knowledge on measuring, monitoring, and reducing GHG emission on a port call, and port-wide level with European Commission to have the European ports benefit from our work. We aim to become member of likeminded communities such as Climate Trace and B-corporation.

What's Next

PortXchange was founded with a mission to increase efficiency in the shipping industry. However, priorities are important, so we are focusing on four environmental goals as we move toward 2025:

Mission 0: Reduce PortXchange own emission to 0 by 2025
By 2025, reduce >10 million tons of CO_2 emission of global shipping;
By 2030, reduce >20 million tons of CO_2 emissions of global shipping;
By 2050, reduce >100 million tons of CO_2 emissions of global shipping.

This commitment text has been inspired by Patagonia.