



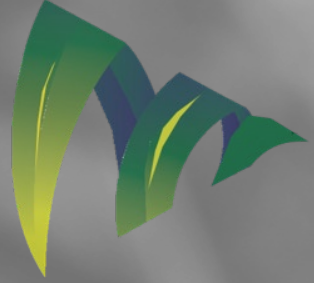
SuperChar

Plant-Based Charcoal

Mission Statement

Saving the World's Rainforests and Mangroves

"Meeting the demands of the rapidly expanding Global Market for Green Energy"



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DISCLAIMER



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Our mission is to accelerate the global transition to sustainable Plant-Based Energy Commodities.

SuperChar Limited. (SCL) is committed to the preservation of the world's precious mangrove and rainforest habitats through the production of its Plant-based charcoal.

SCL provides Plant-based alternatives to the global plundering of rainforests, mangroves and all timber species which currently provide household and cooking energy needs globally.

SCL plans to build a successful company with unique and sustainable benefits to support the planet's health. Each invested stakeholder can benefit from this global investment trend.

SCL provides plant-based energy alternatives on a global scale, to benefit both developed and developing countries and communities.

SCL aims to promote and ensure the **"Verification"** of all charcoal, bringing total transparency to the supply chain. Thus, ensuring there are no links to deforestation / degradation and exploitation of workers as outlined by the Forestry Stewardship Council (FSC) and the Earthworm Foundation (formerly The Forest Trust)



"Rainforest, mangrove and all other sources of natural timber-based Charcoals are Climate Killers"

The global community is demanding a halt to the plundering of protected rainforests, mangroves and various timber species throughout the world. Forests provide habitats for **80 percent** of amphibian species, **75 percent** of bird species and **68 percent** of mammal species. Over **60 percent** of all vascular plants are found in tropical forests.

Mangroves provide breeding grounds and nurseries for numerous species of fish and shellfish and help trap sediments that might otherwise adversely affect seagrass beds and coral reefs, which are habitats for many more marine species.

Since 1990, it is estimated that some **420 million** hectares of forest has been lost through forest degradation (**approximately 42 billion trees**). Between 2015 and 2020, the rate of deforestation was estimated at **10 million** hectares per year. (FAO 2020)

The destruction of rainforests, mangroves and natural timbers has created insatiable global appetite to replace **Wood-based charcoal** with a sustainable **Plant-based Green Charcoal**.

Typically, it takes over **6 tonnes of timber** to make **one tonne of charcoal** and the timber is usually more than **10 years old**, before becoming suitable for harvesting.



"Women and children in developing countries spend up to 20 hours a week gathering fuel for cooking."

Wood fuel is still the predominant cooking fuel used by poor rural households in much of the developing world. For example, **8 million** forest-dependent poor in Latin America represent about 82 percent of the region's rural extreme poor.

Wood fuel consumption continues to increase because of habits, taste, customs and experience, it is often preferred even where alternative energy sources are available.

It is estimated by the FAO that while wood fuel represents only 50 percent of global wood consumption, **2.6 billion** people rely on fuelwood or charcoal as their primary source of energy for cooking and heating.

The SCL Plant-based Charcoal alternative to wood fuels / wood charcoal will assist with:

- providing a sustainable renewable source within reach of all developed nations and poor countries.
- Cleaner cooking fuel to the millions of people dying every year from illnesses associated from deregulated wood fuels and toxic smoke inhalation from cooking.
- Eliminating the release of approximately 1 gigaton of carbon dioxide, produced every year from burning wood fuels, equating to approximately 2% of global CO2 emissions.
- The reduction to the severity and duration of respiratory diseases in children.



“Rarely does the Global Community have the opportunity to address a problem where the societal benefits from concerted action are so far reaching.”

The 2018 global production of wood & timber-based Charcoal was **54 million** tonnes annually.

Globally, wood & timber-based charcoal annually requires the destruction of **351 million** tonnes of wood & timber.

At the Global level, wood fuel removals accounted for **49 percent** of all roundwood produced in 2018. Wood fuel production is by far the most significant in Africa, where it accounted for **90 percent** of all roundwood removals in 2018. It is also important in the Asia-Pacific region, where it accounted for **58 percent** of roundwood removals. Wood fuel use in Latin America and the Caribbean was close to the global average at **51 percent** of all roundwood production, whereas in Europe and Northern America it accounted for only **21 percent** and **12 percent** of all roundwood production, respectively.

Since 1990 some **420 million** hectares of forest has been lost (inclusive of mangroves)

The roll out of the Superchar alternative of a plant-based charcoal will reduce the plundering of rainforests and mangroves by approximately 1,000,000 tonnes of fuel wood annually.



Together we can make a difference

www.SuperChar.com.au