



NewCarbon is a proudly South African company based on the Garden Route, developing innovative technology solutions for South African and global markets. The company transforms biomass from a variety of organic sources into BioCarbon, activated BioCarbon, wood vinegar, heat energy and other market-related products.



Our Vision is to create sustainable, green and profitable entrepreneurial environments for community upliftment around biochar.

Our mission is to provide sustainable solutions by leveraging NewCarbon's innovative technology and integrated approach to process uncontaminated biomass, producing active BioCarbon and wood vinegar for a variety of markets, including water filtration and rehabilitation, agriculture, food, and health.

We focus on renewable energy, food security and the rehabilitation sectors centring on:

- transforming biomass waste into carbon and related value-added products,
- applying them to improve soil, livestock health and fertility in farming, soil rehabilitation, and in water and effluent purification scenarios,
- cost-effective natural reclamation and restoration of former industrial land in the mining and timber sectors,
- producing energy from biomass to operate our technologies and meet the growing energy demands in communities, and
- supply the mining industry with specialized activated carbons, for the refining of gold and other products.

NewCarbon's solutions consist of integrating the various elements of the biomass value chain into economic, social and environmentally viable business models. Biomass sources are harvested, collected, densified, and processed through our propriety technology for products beneficial for absorption into organic and green existing and developing markets.





We offer technology solutions and organic products that are natural and carbon-negative by nature, working towards the creation of a low-carbon economy. Innovative technology allows up to 50% of the CO₂ captured by plants to be sequestered, enabling a cascading benefit when applied to water purification, wastewater treatment, animal husbandry, and soil amendment/remediation scenarios before ultimately putting it back into the soil.

NewCarbon has developed propriety technology and processes to locally produce premium quality Powder Activated Carbon (PAC) and Granular Activated Carbon (GAC) from alien invasive plants. This technology will provide a complete circular economic solution to the water security issues faced by numerous federal and governmental agencies to improve water catchment management and purify potable drinking water while creating new sustainable green jobs around families and communities.

Our proprietary technology allows us to configure and influence production processes and utilise different feedstock types to produce products that are on par with, and in some cases, superior to known brands and products on the world market.

NewCarbon conducted numerous field trials with sheep to validate the supposition that BioCarbon, as a supplement along with other feed components, will result in increased muscle mass and remediate against a variety of harmful bacterial components in the rumen. Similarly, numerous trials with chickens have been conducted to determine the efficacy of BioCarbon incorporated into feed and as a remediation measure for the adsorption of ammonia in litter. In addition, much work has been done to understand the potential of utilising charged BioCarbon as a component within substrates to quantify and validate the many potential benefits reported in literature to date.



NewCarbon has also actively engaged and is currently engaging target markets with product for market and product development. NewCarbon is committed to providing a wholistic value proposition to its customers based on sound product and market validation.

Our products are of the highest standards and scientifically engineered to impact our customers' needs ensuring a profitable value proposition. In addition, our locally produced products ensure a reduction in foreign exchange risks, shorter logistics timelines, product consistency and security of supply when compared to imported products. The impacts of these benefits are directly experienced in improved cash flow management for customers and a reduced need for stockpiling of products due to extensive logistics timelines from receipt of orders to final delivery.



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