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ANZ Biochar Industry Group (ANZBIG)

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Biochar: A Sustainable Solution for Decarbonizing the Built Environment in Perth

PERTH, Western Australia – March 21

In a landmark event for sustainable urban development, the benefits of biochar in decarbonizing the built environment take center stage at the Biochar for Urban Sustainability Symposium in Perth. Held at [Venue], this gathering brings together architects, builders, environmentalists, and policymakers to explore the transformative potential of biochar in mitigating carbon emissions and fostering eco-friendly building practices.

Biochar, a carbon-rich material produced through the pyrolysis of organic waste, is gaining recognition as a game-changer in the quest for sustainable urban development. Key benefits of incorporating biochar in construction and building practices include:

1. **Carbon Sequestration in Building Materials:** Biochar-infused building materials, such as concrete and insulation, act as carbon sinks, helping to sequester carbon dioxide and reduce the carbon footprint of construction projects.
2. **Improved Energy Efficiency:** Biochar's unique thermal properties enhance the insulation capacity of building materials, contributing to improved energy efficiency. This can lead to reduced reliance on heating and cooling systems, resulting in lower energy consumption and operational costs for buildings.
3. **Waste Reduction and Circular Economy:** Biochar production often utilizes organic waste materials, providing an innovative approach to waste management. By converting waste into a valuable

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resource, biochar contributes to a circular economy model, reducing the environmental impact of waste disposal.

4. **Enhanced Soil Quality in Green Spaces:** Biochar-amended soils in urban green spaces contribute to healthier plant growth, increased water retention, and improved soil structure. This fosters sustainable landscaping practices and enhances the overall environmental quality of urban areas.
5. **Air Quality Improvement:** Biochar's adsorption properties make it an effective material for capturing pollutants and improving air quality. Incorporating biochar into building materials can contribute to creating healthier indoor environments by reducing airborne pollutants.

The Biochar for Urban Sustainability Symposium aims to showcase successful case studies, research findings, and practical applications of biochar in construction projects. Experts will lead discussions on the integration of biochar into architectural designs, building materials, and urban planning strategies to create greener and more sustainable cities.

As Perth strives to address the challenges of climate change and build a resilient and sustainable future, the incorporation of biochar into the built environment emerges as a promising solution. The Biochar for Urban Sustainability Symposium is a pivotal event for fostering collaboration, knowledge exchange, and innovation in the pursuit of a carbon-neutral built environment.

About the W.A. Biochar Forum

The Biochar for Urban Sustainability Symposium is an annual event dedicated to exploring the role of biochar in creating sustainable and eco-friendly urban environments. Bringing together professionals from the fields of architecture, construction, environmental science, and policy, the symposium aims to promote the adoption of biochar as a key element in decarbonizing the built environment.

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