TERRA HUMANA LTD.





3R Recycle - Reduce - Reuse Converting Trash into Cash

https://www.3Ragrocarbon.com

Specialized for carbon refinery and ABC-BioPhosphate recovery

Terra Humana Ltd. core profile



Terra Humana Ltd. (since 1989) is a technology intensive company, playing international leading role in the RTD, engineering

and full industrialization of the zero emission pyrolysis technology and it's bio-product developments.

The main specialization is the ABC-BioPhosphate recovery and high quality biochar processing. Originally the company has been an joint venture with ALSTOM subsidy (Lang Machine Works, since 1870) and became independent organization in 2001. The profile core is the ecological recycling and added value reuse of unexploited biomass bv specific and high 3R advanced tech pyrolysis (carbon refinery) and integrated biotech means.

Since 2002 Terra Humana is the only one **vendor in the EU who is specialized on high nutrient dense ABC-Bio-Phosphate recovery** from food grade animal bones.

Terra Humana is the original source and inventor of the"3R" Recycle-Reduce-Reuse zero emission advanced pyrolysis technology with revolutionary smart solutions. The "3R" technology and the ABC-BioPhosphate concept is an unique original solution that has been invented and designed by Edward Someus. Since 2002 the company is successful coordinator and key S&T designer for several large scale EU applied RTD programmes, all in the field of 3R biochar and Phosphorus recovery developments including industrial scale ups in European dimension. **By 2019 the "3R" reached proven demonstrated industrial and commercial scale level.**

The 3R pyrolysis process and nutrient recovery technology opening new technical, economical, environmental, climate protection and business opportunities. Moreover the "3R" provides high value financial and non-financial benefits for all stakeholders.

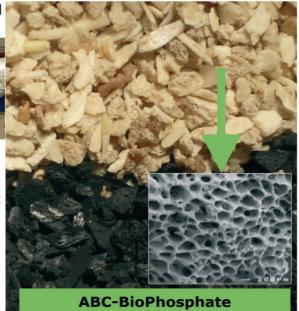


ABC-BioPhosphate (ABC Animal Bone Char made of food grade animal bones) is a safe organic fertilizer and adsorbent product with as high as >30% P2O5 content.

Input: food grade animal bone byproducts.

Zero emisssion pyrolysis reductive thermal processing at <850 °C

Major aspects: high nutrient density; high product safety; full legal compliance; economical applications.



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"3R" zero emission carbon refinery technology application map for flexible reductive thermal processing in any range up to <850°C material core temperature.

> High temperature reductive thermal processing 450°C -850°C. Pyrolysis - Carbonization



The "3R" Recycle-Reduce-Reuse zero emission pyrolysis technology and carbon refinery providing high added value recovery of ABC-BioPhosphate, nutrients and new materials with different earbon structures for ease and cast officient

with different carbon structures for safe and cost efficient applications in the agriculture & adsorbent sectors.



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BIOFARM Agri Research Station