



Kaltja Global Holdings

F. Lee Simmons

Managing Partner

KALTJA GLOBAL HOLDING LTD (HK)

<https://www.kaltja360.world>

KALTJA (pronounced Culture) embodies an innovative technology driven group of Sustainable Parametric Ecosystem companies, inspired by sustainably nano tech, waste-to-energy systems, agricultural supply chains, and markets—resulting in near-zero CO₂ emissions and positively advancing social, economic, and environmental impacts, underpinned with IoT/blockchain.

Mr. Simmons is also the founder/CTO of GENUS BIOENERGY LLC. <https://www.genusbioenergy.com>, a majority-owned African-American nanotechnology company that developed novel Stoichiometric Decomposition & Recombination (SDR) processes that provide sustainable energy and water, and produces organic plant-based bacillus nutrients for enhanced plant growth and soil regeneration that significantly reduce greenhouse gas emissions.

Our SDR System provides an All-In-One, On-Site Modular Sustainable Waste Conversion system, which allows us to convert both liquid and solid waste streams simultaneously, including plastics, tires, waste water sludge, agricultural waste, etc. into usable products such as hydrogen, molecularly-structured-fuels (including diesel fuel, jet fuel, CH₄, propane, butane, etc.), solvents, saccharides, potable water; efficient desalination without RO, organic plant-based bacillus nutrients for enhanced plant growth & soil regeneration, and produces a minimum of 2 MW of sustainable reliable uninterrupted power, operational within 48 hours and can be scaled to over 100 MW, without Greenhouse Gas Emissions.

Environment Deposition Techniques: Ion Assisted Deposition (IAD), Reactive Ion Plating (RIP), Magnetron Sputtering (MS), Cathodic Arc Deposition (Cath.Arc), Physical Vapor Deposition (PVD), Electro-Chemical Deposition (Electro-Chem), Chemical Vapor Deposition (CVD) including Plasma Activated, Electron Beam Physical Vapor Deposition (EBPVD) including Directional Vapor Deposition (DVD), and Evaporative Deposition technologies

White Papers: co-authored 5 publications dedicated to Reactive Semi-Conducting Nano Layers for Remediation of Contaminates

Patents: Have been granted 4 patents and have several applications pending for Nano Technology applications in areas Self-Regenerative Power Generation, Stoichiometric Decomposition Recombination of waste streams Technology

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Kaltja Global Holdings

Kaltja Global Holdings EU:

- Kaltja 360 EU
- Genus BioEnergy
- Digital Kaltja

Kaltja International, Inc., Global

- Kaltja Coffee & Roasting, Americas
- Genus BioEnergy, USA
- Digital Kaltja

Kaltja Global Holdings LTD, HK:

- Kaltja Trading Company Ltd (Kaltja 360, Mainland China)
- Kaltja Consulting Company Ltd (Import/Export Logistics, e-commerce)
- Kaltja Nanatechnologies (Genus BioEnergy Asia)
- Kaltja Coffee & Roasting and Cafes