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Transforming Waste into Clean, Green Energy with AGS Energy

Innovative Recovery for a Sustainable Future
“Taking the Solution to the Problem”

Introduction

- Overview of AGS Energy
 - Mission: Providing innovative, small to medium scalable solutions to repurpose waste into clean, green renewable energy, while producing Biochar or Ash Fertiliser as an output.
 - Vision: Empowering a sustainable and circular economy, taking the Solution to the Problem, treating waste where it is produced
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The Problem

Tackling Challenging Organic Waste Streams

- Global waste management challenges
- Rising pollution and CO2 emissions
- Increasing demand for sustainable waste solutions
- More than 4.5 Billion Tonnes annually 'wasted'



The Solution

Treating Challenging Organic Waste Streams

- AGS Energy's advanced thermal treatment technology, driven by Gasification technology
- Self sustaining “auto-thermic” continuity.
- No fossil fuel required for start up – uses HVO as fuel
- Transforming organic waste into clean green renewable energy and biochar
- Delivering energy, where required as heat, power or chilling.
- Circular economy benefits: Waste reduction, energy generation, and soil enrichment

Key Facts of AGS Energy's Technology

Why AGS Energy's Patented Gasifier is Superior

- Small-to-medium scale patented systems tailored for diverse applications
- Highly efficient, reliable, proven technology
- Modular design, ease of integration within client sites and operations
- Continuous operation of up to 8000 hrs per annum
- Scalable and adaptable to local needs
- Minimal environmental impact
- Ease of maintenance, set-up, operation and control

Market Sectors

- **Hospital waste:** clinical, non-clinical and offensive with constant hot water delivered directly to the hospital boilers system
- **Poultry farming:** Energy produced from processing poultry litter is used to heat poultry houses. Output material is a quality Biochar
- **Water Authorities:** Effluent sludges and screening waste in treatment plants. Hot water or electricity provided for the treatment facility
- **Mobile Biomass heating\Waste removal units:** Large events, festivals, emergency disaster zones, environmental challenges such as Sargassum and Hyacinth weeds
- **Hospitality\Large Institutions:** Organic waste reduction, heat, chilling or electricity production
- **Industrial:** Filter cakes, organic sludges and slurries, high moisture content materials
- **Municipalities – Local Authorities:** Waste-to-energy initiatives, RDF, SRF and MSW
- **Food Processing:** By-product management
- **Agriculture:** Animal by Product, crop residues

Benefits

- Environmental: Reduced landfill waste and emissions
- Economic: Cost savings and revenue from energy and biochar
- Social: Reduced transport, improved community health and quality of life





Global Impact

- Contribution to UN Sustainable Development Goals (SDGs)
- Partnerships with governments, funding institutions and private entities worldwide
- Expanding reach across Europe, Africa, and beyond

Ideally suited for remote locations, difficult to reach area's, refugee camps, remote military operational bases and small communities

Why Choose AGS Energy?

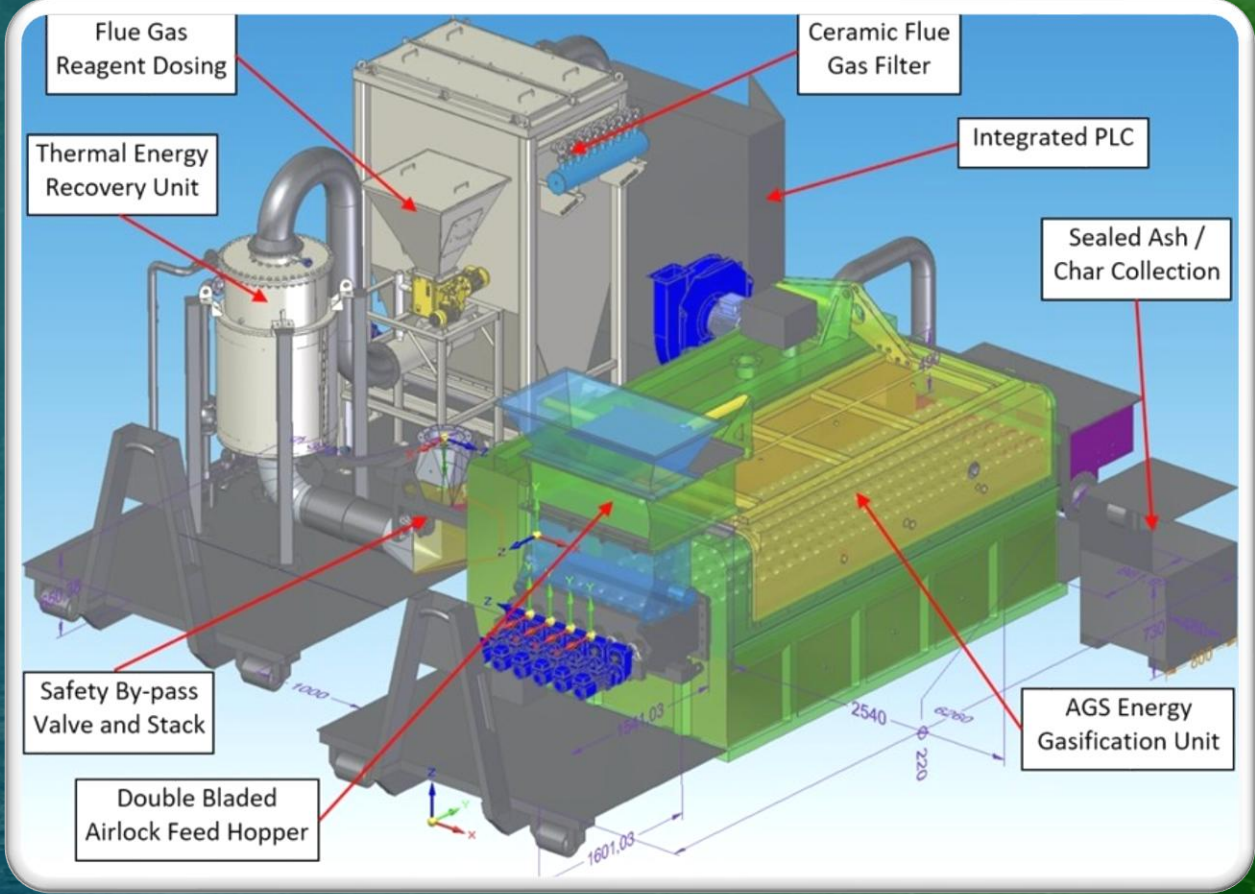
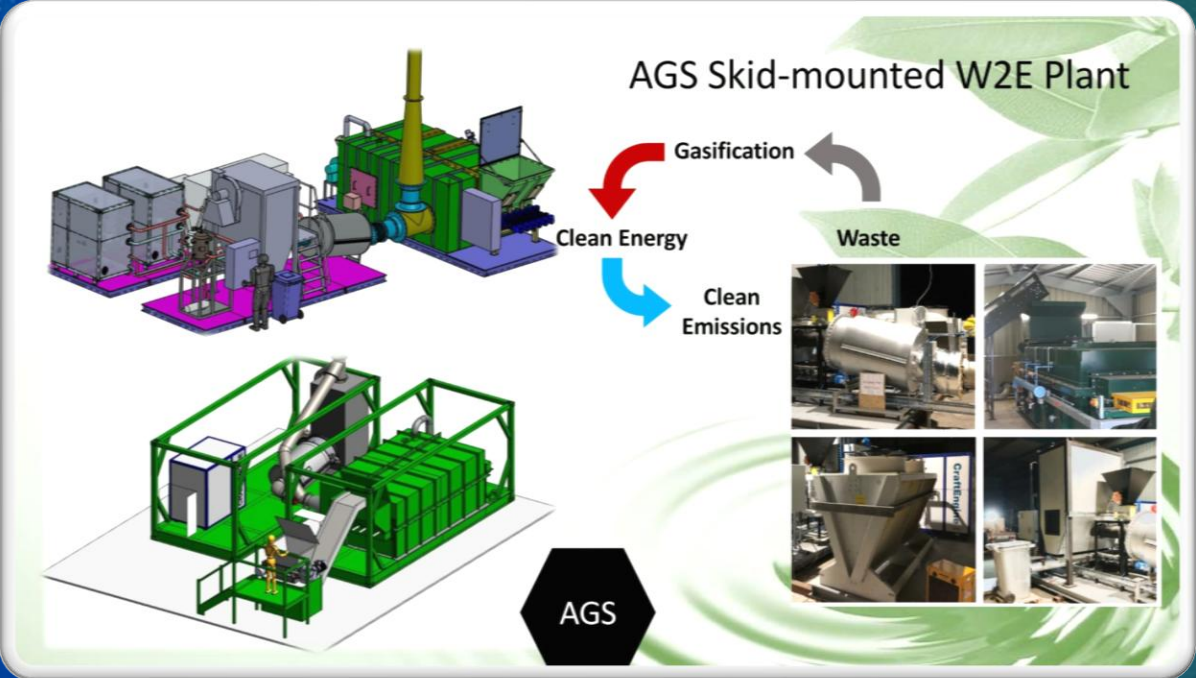
- • Proprietary Patented technology with proven results
- • Comprehensive service offering: Feasibility studies, system design, installation, operation, and maintenance
- • Commitment to sustainability, innovation and continuous improvement

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AGS Energy – Small to Medium Scale Waste Recovery Solution



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Future Vision

- Upcoming projects and goals include installations on UK Hospital grounds, Chicken Farms in EU and Africa and Water Treatment Authorities around the Globe
- Expanding technology applications with innovative industry equipment collaborators and partners
- Building a global network of distributors and manufacturers for sustainable energy solutions

Call To Action!

Join Us in Transforming Waste into Clean, Green Energy!

Website

www.agsenergy.eu

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