



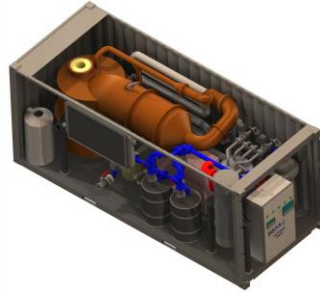
ACME Company, Inc
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Flexible Feedstock Waste-to-Energy Conversion System

Technology / Capability Overview:

This technology assists in minimizing the waste stream while simultaneously offsetting the cost by producing a combustible gas that can be utilized to generate electricity and heat.

- 100% Feedstock flexible
- No Waste sorting necessary
- Non-hazardous by-products
- Produces clean syngas in volumes dependent upon waste stream
- Net producer of energy
- Kills pathogens and renders hazardous material inert, including hospital waste



Relevance to Combatant Command or other Need:

Category: Space Resilience

- Deployable, self-contained, self-operated waste processing
- Net Producer of energy in form of syngas, electricity, or heat
- Eliminates hazardous materials, food/medical waste, and sewage
- 20 ft ISO container configuration for portability
- Significant reduction in waste stream logistics and cost
- Reduction in base operation planning and cost
- Reduced footprint size
- Environmentally friendly

Past Performance of Technology and Company:

- 20 ft ISO container configuration
- Each container removes 3.3 tons of waste per day
- Systems can be bundled to increase capability
- Demonstrated to safely process solid wastes and hazardous wastes including red bag hospital waste
- Demonstrated on a small municipal scale at Carver, Alabama with 3rd party validation of performance by Tuskegee University
- Acme has experience developing container systems for other applications including removal of oil and heavy metals from soil.

Maturity / Scalability / Cost / Schedule

TRL: 8

- Demonstrated on a small municipal scale

Scaling Considerations:

- Proven containerized, self-operating system can be scaled for large municipal systems, or operated as multiple stand-alone units
- Electrical outputs of multiple units can be linked for greater capacity
- Individual units ~\$500k, with a 10 year service life

Timeline to Market WITHOUT Financial Assistance:

- Small quantities currently in production and currently available

Timeline WITH financial assistance:

- Ability to ramp production quickly with additional funding of \$1M

Logo
helpful

Contact information, Calibri (body), at least 10pt font

Technology / Product Name
Calibri (body), approximately 18pt font

Technology / Capability Overview:

- Description of the technology and its technical operation and capabilities. Be careful with proprietary information
- Add a picture or artist's conception if possible
- Focused on what it can do, not so much on how it works or on the way it is packaged
- Calibri (body), at least 12pt font

Relevance to Combatant Command or other Need:

Category: Category from Needs Chart

- Specific capabilities, packaging, characteristics that target the needs mentioned within the square on the chart above
- Answer the question, "Why should they care?" relative to that square
- Calibri (body), at least 12pt font

Past Performance of Technology and Company:

- Status of the technology, demonstrations, special features
- Some info about the company's background to help communicate its capabilities and that it is stable
- Calibri (body), at least 12pt font

Maturity / Scalability / Cost / Schedule

TRL: A number based on your assessment when applying

- Comments that show why the TRL level is valid
- Other comments if room is available

Scaling Considerations:

- Important scaling features if possible
 - bigger, smaller, lighter, cheaper, faster
- Cost projections if available, estimates if possible but be realistic

Timeline to Market WITHOUT Financial Assistance:

- Estimated timeline for ramping up into a product, if possible

Timeline WITH financial assistance:

- How would your timeline change with additional funding, and how much?

