



Photo: PHG Energy - Covington, TN Gasification Facility - 2014

## **Applied Chemical Technology is GROWING!**

Thanks to our customers and their continued commitment to ACT, we are continuing to expand in multiple areas. Here is a glimpse into what has been going on at ACT.

- Additional 10,000 ft<sup>2</sup> Fabrication and Manufacturing Space
- Additional 2,500 ft<sup>2</sup> of Laboratory and Analytical Space
- Added team members - 5 engineers, 3 designers, 5 fabricators
- 2015 International Trade Excellence Award Winner

▶ Check out our newly designed website at [www.appliedchemical.com](http://www.appliedchemical.com)  
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# Featured Project: PHG Energy

## Converting Waste Products into Valuable Sources of Energy

PHG Energy provides energy facilities that allow customers to cleanly convert biomass material to a fuel gas that can be used to produce electricity or for a variety of thermal purposes.

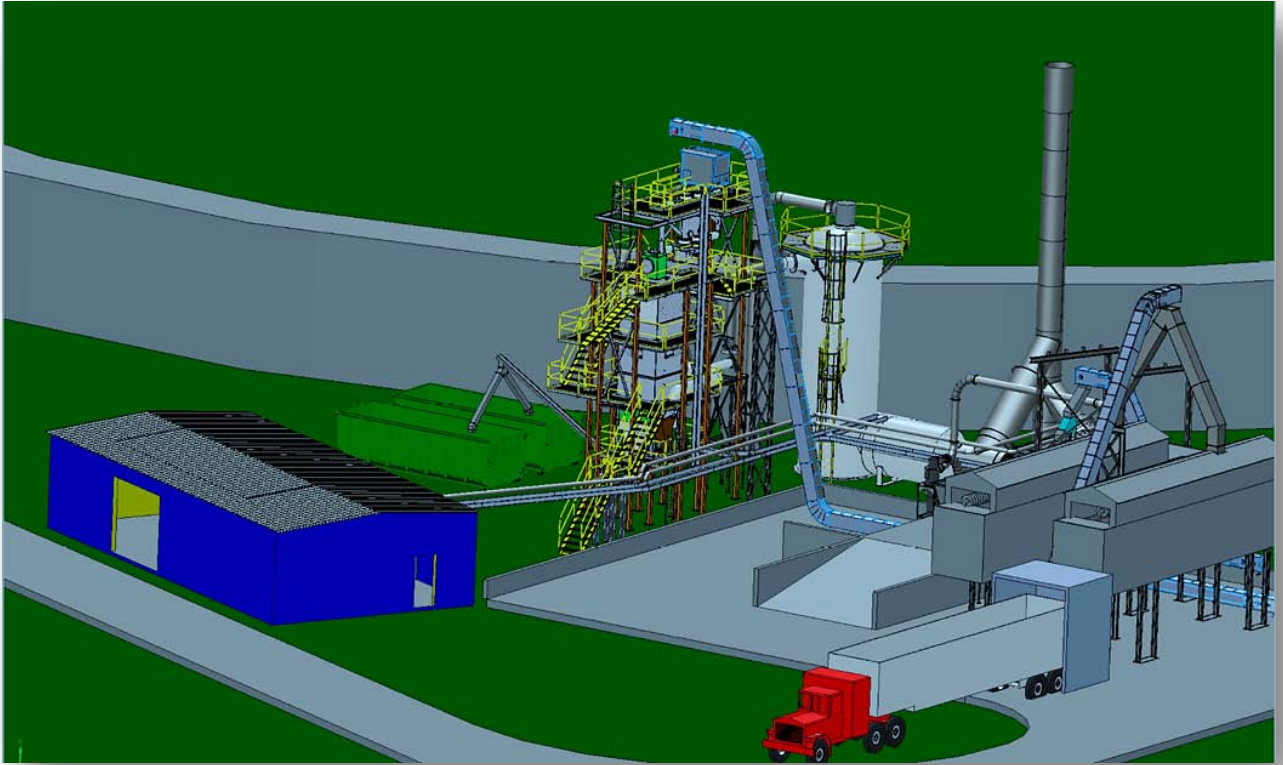


Photo: PHG Energy – Lebanon, TN – Currently under Construction

Over 5 years ago ACT began working with PHG Energy to design and engineer their facilities to be functional and cost-effective. In 2016 alone, two additional facilities will be brought online which will process municipal waste products including wood, sludge, tires, and compost.

As the engineering company for PHG, ACT has played an important role in the development and execution of these projects by providing support in the following areas:

- Engineering
- Development
- Equipment Specification
- Automation, Controls
- Procurement
- Fabrication
- Equipment Refurbishment
- Project Management

# Recent and Current Projects



**60, 90, and 100 Square Foot Fluid-Beds**



**Skid Mounted Fertilizer Plant**



**Skid Mounted Wet Scrubber**



**Liquid Fertilizer Processing Skid**



**Pharmaceutical Batch Fluid Bed**

# Upcoming Special Events

## at Applied Chemical Technology Florence, AL

### Fluid-Bed Seminar

August 9-10, 2016

This training targets individuals interested in learning more about fluid-bed technology including engineers, chemists, and those with other technical backgrounds.

- General overview of agglomeration, coating and drying in a fluid-bed
- Discussion on the principles of fluidization, air flow pressure drop, entrainment, dust collection, spray rates and nozzle configurations
- Hands-on participation utilizing ACT's fluidized bed technology

### Automation Safety Seminar

September 20-22, 2016

This training targets towards Engineers, Maintenance, and Safety Personnel.  
Learn from industry experts and take part in hands-on sessions.

- Risk Assessment and Reduction
- PLCs, Motor Controls, Relays
- Instrument Integration
- Process Safety



Golf Tournament and Local Fishing Included



For more information visit our website at the following link:

[http://appliedchemical.com/action\\_news/](http://appliedchemical.com/action_news/)

## HOPE TO SEE YOU THERE...

Southwest Fertilizer Conference - July 2016

CFI Annual Conference - August 2016

TFI World Fertilizer Conference - September 2016

Algae Biomass Summit - October 2016

Specialty Fertilizer Global Summit - December 2016