



Caterpillar has updated its Cat G3520C biogas-fueled generator set for operation at 60Hz, increasing power output from 1,600 to 2,000 kW.

line size and for the specific conditions of each application. The HVT-DG maintains accuracy of plus or minus 0.25 percent of actual reading or better based on hydraulic calibration, and can handle temperatures up to 350 degrees Fahrenheit with the appropriate selection of materials.

Monitoring and reusing digester gases can help lower greenhouse gas emissions and ensure compliance of federal and state regulations. Differential-type meters such as the Venturi can be field calibrated

and are traceable and verifiable. Although most Venturi meters can monitor digester gas, the HVT-DG features a tap cleanout rod for both the high- and low-pressure sensing points that allows for removal of particles from the meter, offering a simple solution to ensure debris does not impact flow measurement.

Geoamps' altAMPS

AltAMPS centralizes project information in an online database where information is collaborative across the entire organization.

Data from projects can be accessed and worked with on computers, tablets and smart phones. AltAMPS provides end-to-end management of projects in biogas and other alternative energy projects, bringing information on planning, acquisition, construction, operations and maintenance together in one easy-to-use and secure platform. By using altAMPS, companies can realize cost savings of up to 35 percent through proj-



Geoamps' altAMPS allows users to access and work on project data from computers, tablets and smart phones.



Eisenmann's Horizontal Continuous High-Solids Anaerobic Digester can digest organic materials up to 40 percent total solids without dilution.

ect efficiencies. The purpose of altAMPS is to create an environmentally friendly and highly efficient tool for the operation and maintenance of alternative energy projects, allowing information to flow easily through the entire organization.

Data within the altAMPS system can be used for automated processes including calculations, workflows and checklists such as ongoing payments and maintenance among many other activities. All project information, documents, pictures, and measurements are securely stored in a single, Web-based, collaborative database with role-based security in a real-time environment. AltAMPS offers a more efficient alternative for companies in the biogas arena that are still reliant upon spreadsheets, email and paper records.

Eisenmann's Horizontal Continuous High-Solids Anaerobic Digester

The Eisenmann Horizontal Continuous High-Solids Anaerobic Digester is designed to optimally digest feedstocks with high total solids content so the majority of material is processed as is. It features a robust design capable of digesting a wide variety of organic material at different temperature ranges and hydraulic retention times. The HSAD can digest organic materials up

to 40 percent total solids without dilution. The system generates a maximum amount of biogas within a minimum footprint.

The HSAD is a fully automated, continuously operating system minimizing manual handling and pretreatment/dilution to process feedstocks. Additionally, the system has a low parasitic load leading to improved net energy production. The system's agitator shaft further differentiates the Eisenmann system because the critical components are external to the digester vessel, allowing for easy monitoring and maintenance leading to increased uptime. The agitator has been optimized to improve the mixing and eliminate potential dead zones or layers to maximize the decomposition of organic materials within the horizontal vessel.

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