

Provider of mission-critical power generation equipment, parts, and service for the Mid-Atlantic region.



Winter 2020

Power Generation *PULSE*

Business Team Spotlight

A Tip of the Hat to Our "Dream" Partners

It's been said, "Teamwork makes the dream work."

That sentiment is as true for us today as it was when the company was founded. As we close out the celebration of Curtis Engine's 75th anniversary, we can't help but reflect on our path to today. In 2019, we generated our highest-ever annual sales total and were



awarded our largest-ever customer contract.

These milestones are the results of years of successful project completions. We didn't achieve this success alone. We couldn't have—and we wouldn't have wanted to.

Curtis Engine grew up among partner organizations that evolved as we did over the years. Numerous construction-related contractors merged and spun out to meet the changing needs of their business and the industry. Many of the skilled and dedicated personnel stayed in the industry, even as company names changed.

[Read more about our Dream Partners.](#)

Eye on Engineers

What You Need to Know: Considerations for Sizing A Generator

What size generator do you need? Is your business mission critical? Diesel or Gas?

Is your project a pump station? Data Center? Hospital? Office Building? Warehouse?

What do we want to power with our generator?

There are countless good questions and even more right answers when evaluating the needs for a new power generation system. Regardless of the type of project, one of the preliminary considerations in determining your generator choice is proper sizing to ensure that you have a generator that will support your project's needs.

One of the specifying engineer's biggest challenges in sizing a generator is not having complete information. That's why Curtis Engine and industry partner MTU Onsite Energy serve as trusted and reliable resources during the processes of evaluating, planning, and implementing — and even afterward, when service and maintenance of the chosen power generation system are essential for years of dependable use.



What you need to know:

1. [Link here to the PS-SPEC guide](#) -- an all-inclusive software program for consulting engineers, contractors, and other professionals involved in the design, application load analysis and installation of generator sets
2. [Link here to MTU Onsite Energy Product Specification and Data Sheets](#)

What you will learn...



MTU Onsite Energy Partnership News

Hot Off the Press: The New *Power Generation Solution Guide*

Curtis Engine, a long-time partner in distribution and sales of MTU Onsite Energy solutions, announces the January 2020 publication of the *Power Generation Solution Guide*. **A PDF of the guide can be downloaded** from the Curtis Engine website. Curtis Engine is ready to assist with questions, specifications and solutions [here](#).



Introducing NFPA 110: What You Need to Know

National Fire Protection Association Standard 110 (NFPA 110) is written specifically for **emergency and standby power systems** and covers installation, maintenance, operation and testing requirements as they pertain to the performance of the emergency power supply system (EPSS). It includes standards related to **generators, transfer switches, fuel systems, circuit breakers** and other components of the EPSS. The first three chapters of the Standard provide an introduction. Chapters four through eight each address one essential element for compliance.



To find out what you need to know, [click here](#).

Project Profile

Brown Station Road Sanitary Landfill

Upper Marlboro, MD



Curtis Engine was part of a team that began the development of the landmark 3-MW **Landfill Gas-to-Energy (LFGE)** electric power plant at the 850-acre **Brown Station Road Sanitary Landfill** in Prince George's County, Maryland in 1987. Curtis Engine has the distinction of continuing to provide daily operations and maintenance services to the facility more than 30 years later. In 2002, Curtis Engine completed Phase 2 of the project, which included designing and building a second power plant at the landfill that more than doubled its original capacity to provide 6.8-MW of electricity.

This successful model of converting the greenhouse gas byproducts of decomposing landfill trash to a useful source of energy involves the extraction

and steam for boilers. Prince George's County also derives revenue from selling electricity to Pepco, a regional utility.

We have continued to expand and modernize the facilities including updating the engines and equipment in the original power plant in 2017. Curtis Engine is currently working on a project to replace the pipeline that carries the landfill gas from the landfill to the original power plant and the Prince George's County Correctional Center 2.5 miles away. **This project will provide another 30-plus years of sustainable and low-cost energy for the county's buildings and the surrounding community.**

The Bottom Line:

Curtis Engine has been a forerunner in the Landfill-Gas-To-Energy (LFGE) market

and conversion of carbon dioxide and methane gas to eventually fuel on-site generators that produce electricity at a generating station.

The Prince George's County Correctional Center has utilized the electricity generated by the LFGE system since the system's inception in 1987, and currently uses the energy to generate electricity

—designing, building, operating, and maintaining landfill gas collection systems and power stations in the Mid-Atlantic region for more than 30 years. Curtis Engine is also known for expertise in **Combined Heat & Power (CHP) technology**.

Recognizing Leadership at Curtis Engine

"The greatest leaders mobilize others by coalescing people around a shared vision." —Ken Blanchard

The promotion of two Curtis Engine team leaders was announced in January 2020 at the firm's company-wide meeting, where other significant company news was revealed: In 2019 (Curtis Engine's 75th anniversary), the firm achieved its historic highest level of revenue and largest contract.

Contributing to these two milestone achievements were the members of the Curtis Engine business teams, who live by a shared company commitment to put the customer first. The leaders of two of these business teams were recognized with promotions:



Alan Koch

Alan has been promoted to Vice President of Sales and Engineering. Although Alan started his employment officially after college 13 years ago, he remembers spending time there learning about the business as a young teen alongside his father, Vice President and Chief Operating Officer Paul Koch.



Michele Kratz

Michele has been promoted to Vice President of Service. She began her career at Curtis Engine in 1991, and has earned the trust of customers and employees as service manager for almost 20 years.

Read more about Alan and Michelle.

Curtis in the Community

Working Together to Help Families in Need in Northern Virginia

As a member of the 7x24 Exchange-DC Chapter and the Women in Mission Critical Operations (WiMCO) organizations, Curtis Engine continued its commitment to giving back to the community by recently helping to make many Northern Virginia families' holiday seasons brighter.

On Dec. 18th, Curtis Engine partnered with these two organizations to assist the Loudoun Hunger Relief (LHR) Food Pantry in distributing bags of food to more than 70 families in the Leesburg, VA area.

Whether donating materials to the Casey Cares Foundation for building playhouses and obstacle courses for sick children, laying wreaths at Arlington Cemetery, or assisting the Kamryn Lambert Foundation collecting toys for hospitalized children, Curtis Engine is always willing and eager to be involved.

Former Curtis Engine President Albert Grimes instilled his love for helping others into every employee at the company, and his kindness has been carried on since his passing in 2018. Says Business Development Manager Dakeisha Gross, "You just feel better when you know that a small gesture on your part could change someone's life, or at least make it a little better."



Loudoun County Hunger Relief food distribution event. Dakeisha Gross (Curtis Engine) front left.



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