ThermGen®: AN IDEAL TECHNOLOGY FOR REMEDIATING PFAS

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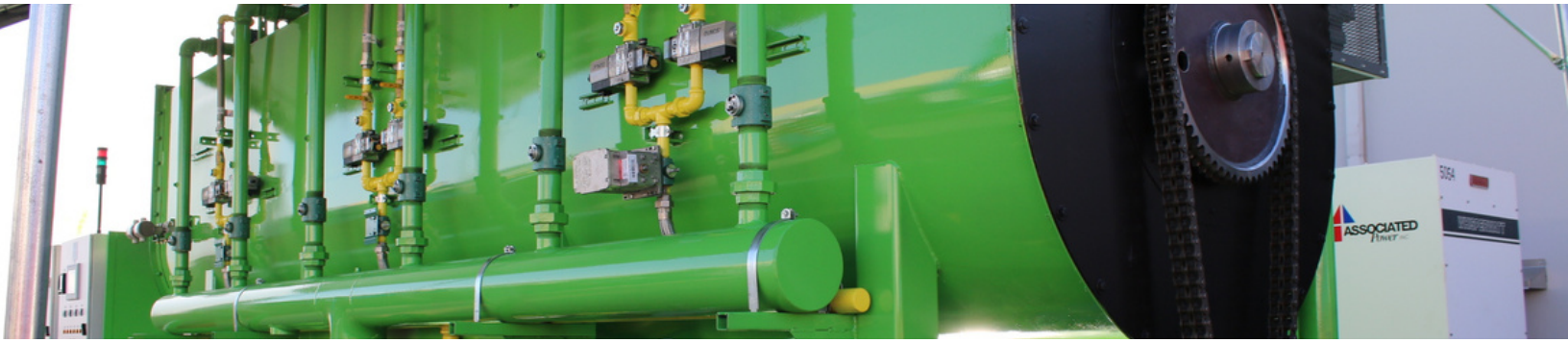
WWW.THERMGEN.INFO



THE STORY

Forever Chemicals are a recent example of unintended environmental, health, and business consequences. They were never designed to last “forever”, but they do.

Compounding the problem, conventional thermal processing, such as incinerators, cannot effectively, safely, and compliant to emission regulations, destroy them. Biodegrading has no real impact, nor does exposure to the elements or other means of processing. “De-cycling” options as well is ineffective in breaking down PFAS and other related molecules.

ThermGen's pyrolytic process is a system that provides the required full remediation of this category of compounds. And is compliant to emissions regulations. Plus it can treat a variety of physical formats; liquids, soils, foams, when embedded in multiple other materials, etc.

The design of ThermGen® contemplated this challenge. To address this challenge, and to prevent these chemicals from lasting forever, ThermGen® is available in a variety of sizes, scales, and treatment options, batch to continuous. This applies whether the compounds are stored in inventory or discovered in the environment, i.e., land, plants, and/or water.

- ThermGen® provides a complete remediation solution for all PFAS
- Specifically designed for the required time and temperature process details
- Applicable now for PFAS and a wide variety of targeted chemicals.

The bioaccumulation from consuming standard global drinking water is now a fact of life. It has been calculated each glass of water has some molecules of PFAS, small or large depending on the purity of the water supply. This translates to the following numbers: According to the American Red Cross, “the blood of the average American has 4,300 parts per trillion, or ppt, of PFOS and 1,100 ppt of PFOA.”
The challenge to chemical waste aggregators and processors PFAS present is to process the complete remediation and resulting emissions in a way that does not create more problems, and in fact fully addresses the foreverness these compounds were designed to provide.
ThermGen® was designed to process a variety of toxic and hazardous chemicals. The 90 second video at www.Thermgen.Info reviews the process in detail.

THE ISSUES

- Incinerators are not designed for this category of PFAS compounds.
- Landfill leachate is not allowed to contain PFAS and related compounds because of new regulations.
- Effective destruction is based up thermal load, which ThermGen® is designed to deliver.
- ThermGen's pyrolytic process is the ideal system that can deliver these features.

THERMGEN® UNITS

- Effectively destroy PFAS and related compounds.
- Effectively manage and prevent the negative consequences of halogenated compounds and byproducts.
- Installed and operated on site for added efficiency, or in permitted locations domestically, with global capabilities to follow.

GLOBAL HEALTH PROBLEM

Given the global "locations" these compounds are located and stored. This ongoing process requires multiple governments to cooperate and coordinate.

ThermGen® is a way to economically address a global health problem, and one that applies to additional toxic and Hazardous chemicals.

This complete solution in one process is necessary for full remediation, and to ensure no further release of these compounds, given we now have a compliant and complete way to remediate this category.

ThermGen® is a way to economically address a global health problem, and one that can be used for additional toxic and Hazardous chemicals.