# Streamline Innovations revolutionizes disposal of toxic industrial wastes

Its proprietary VALKYRIE™ and TALON® technologies convert hydrogen sulfide into water and sulfur for fertilizer.

***David Sisk, Co-founder and CEO, Streamline Innovations***

True to its corporate name, Streamline Innovations uses patented technologies to help heavy industries run more sustainably, efficiently and profitably. One such innovation is used in treating hydrogen sulfide (H2S), a major contaminant in the oil and gas, wastewater, renewable gas and industrial markets. Instead of traditionally flaring H2S-contaminated gas, which releases many toxic substances, Streamline Innovations has developed the VALKYRIE™ plant that uses the company's non-toxic biodegradable TALON® chemistry. This process converts H2S into water and OMRI (Organic Materials Review Institute)-certified elemental sulfur that can be used in organic food production.

"We are running into the gap to provide a more sustainable solution for heavy industries, whether that's in oil and gas, industrial applications or municipal water," says David Sisk, co-founder and CEO of Streamline Innovations. "We're making a difference for our clients by transforming their operations to be greener, easier to manage and more profitable.

Besides helping them generate huge savings due to higher uptime and leaner operations, we're eliminating about 300,000 pounds a month of hazardous chemicals they don't have to handle and transport."

Streamline Innovations has a total of almost 70 VALKYRIE™ plants integrated into its clients' work sites. As a turnkey solution, the actual plant includes the needed services, chemicals and maintenance, all in a single package. A large percentage of its plant operations run through a control room designed to automatically adjust the facility's responses to conditions in the field.

Streamline Innovations began in the oil and gas sector but has expanded into renewable natural gas, treating gas from landfills and dairy farms. With the passage of the IRA (Inflation Reduction Act of 2022) in the United States, there has been much more activity on the carbon sequestration side, which often includes substantial H2S treatment needs.

Constantly evolving, Streamline Innovations already has 10 different variants of its VALKYRIE™ plant design, tailored for various applications. It is also improving chemistries and process control technologies while exploring solutions for other contaminants such as combined H2S and ammonia.

Looking forward, Streamline Innovations aims to expand its footprint significantly over the next few years. It welcomes partners who will help deploy its technologies in new markets such as Canada and the Middle East.

"We're constantly working on improving the quality of our solutions and processes," says Sisk. "We are changing the way industries operate and are excited about the many opportunities that lie ahead for everyone in the future."