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Company Profile

Industry Sector: Disinfection/Sterilization

Company Overview: Atmospheric Glow Technologies, (“AGT”) is a science and engineering company focused on developing and sublicensing rights to a number of products based upon its patented atmospheric plasma technology. AGT has recently completed a Plasma Sterilizer prototype, in part with NIHSBIR and USAMRAA funds. This sterilizer treats sensitive medical items in cycle times of less than one hour. The design is scalable with chambers ranging from 0.5ft³ to over 75ft³ to meet the customer’s needs. AGT is a leader in atmospheric plasma with prior product introductions in the biotechnology and indoor air quality sectors.

Target Market(s): Hospitals, ambulatory centers and clinics.

Key Value Drivers

Technology: The Plasma Sterilizer is a standalone device that uses air and electricity to sterilize sensitive medical instruments and devices. It is based upon AGT’s patented atmospheric plasma that generates transient highly reactive chemical species at atmospheric pressure and ambient temperatures and destroys microorganisms even in the presence of organic debris. It is safe to operators and environmentally friendly.

Competitive Advantage: Sterilizing complex heat sensitive medical devices has presented a number of challenges. To address this need, AGT has developed a sterilizer requiring only electricity and air to operate. Transient oxidative chemicals are generated at ambient temperatures and atmospheric pressure. No aqueous, caustic or strong oxidizing chemicals are needed. This technology has been independently tested and the plasma’s chemistry has been shown to recombine into harmless species. Independent efficacy tests have established sterilization of medical instruments even in the presence of organic debris.

Plan & Strategy: Seeking a strategic partner to commercialize.

Management

Leadership:

W. Scott McDonald, CEO
Kimberly Kelly-Wintenberg, Ph.D., President & COO
Alan L. Wintenberg, Ph.D., Director of Engineering
Cathy Nuttall, Senior Director of Business Management

Board of Directors:

Patrick Martin – Chairman
Al Anderson – Director
Steven Harb – Director
Russell Mothershed – Director
Thomas Reddoch - Director

Product Pipeline

