

Design, Manufacture, Installation & Worldwide Service



BSL-4 62,000gpd Effluent Decontamination System—USDA Plum Island, 2017.

Our Commitment

BioSAFE Engineering is a global leader in the design, manufacture, installation and service of waste treatment equipment used in research facilities, healthcare, industry and science applications to eliminate the threat of hazardous or infectious agents. As engineers and system fabricators, we provide unique, non-incineration and environmentally responsible solutions for the treatment and disposal of biological and medical waste in both liquid and solid forms.

Operating from our 55,000 sq.ft. facility, we provide proven solutions with reliable, cost-effective products. Our customers can expect healthier, cleaner and safer environments.



Control systems programmed and built in our in-house UL certified panel shop.



BioSAFE Life Science Solutions manages sales, installation, validation, training and support for the company's line of alkaline hydrolysis tissue digesters and effluent decontamination systems.



BioSAFE Medical Waste Systems offers products based on nonburn technology, designed to mitigate the time and expense of healthcare waste through efficacious waste treatment, logistics, transportation and disposal.



Advanced Engineering Services provides custom, innovative solutions to solve our customers' most difficult problems. Our proprietary designs offer safe, secure and documentable inactivation and destruction of potentially hazardous materials in stationary and transportable designs.

Technology and Management for Your Toughest Environmental Challenges

BioSAFE Engineering offers proven technical solutions for dangerous and infectious waste streams generated every day in real life operating and research environments. Our knowledge and understanding of the life science, healthcare, pharmaceutical, animal and crop research industries, and the challenges they face, enables us to provide the toughest material disposal solutions.

Based on patented, environmentally-safe processes, our products can be designed to treat waste on a scale from laboratory bench-top to the largest commercial operations. Our equipment can be configured to be deployable or installed for decades of service in a single placement within high-containment facilities.

Our Relationship with Customers

BioSAFE Engineering offers our clients a full-scale, enterprise engagement. We integrate our services with A&E firms when called upon, offer financing options tailored to client needs and even provide introductions to trusted third parties for independent assessments on matters ranging from efficacy testing to wider systems integration. Once the equipment is in place, we provide all the services necessary for a long, productive operating life.

It's a commitment to customer satisfaction measured in decades. Spanning from the design and installation of your engineered system through to on-site annual maintenance and service, our team ensures that your system operates to design specifications, is safe for both employees and the environment, and can meet all regulatory compliance standards.

Professional Engineering and Consultative Services

BioSAFE Engineering pioneered the use of safe, cost-effective methods for neutralizing infectious solid and liquid biological waste byproducts without the need for incineration or burial. Our engineering and technical sales staffs possess years of hands-on experience with technical feasibility studies, conceptualization, economic projections, site preparation and permitting, regulatory compliance and process maintenance.

BioSAFE Engineering is our core technology and management group. R&D, patents and expertise, sourcing and assembly, logistics and product monitoring and field service are all managed by an experienced and professional staff.



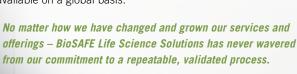


Tissue Digesters

For over 25 years, BioSAFE Life Science Solutions' patented alkaline hydrolysis technology has resolved the world's most hazardous, infectious and critical disposal challenges.

As the pioneers of infectious waste treatment systems, our company history can be traced back to the industry's first systems. Operating today on five continents, in both the public and private sectors, our engineered systems are the purest expression of our commitment to making our world healthier, cleaner and safer. BioSAFE Life Science Solutions' equipment is validated and in service throughout the world, working under standards and conditions that range from noncritical to highly infectious BSL-3 (Ag) and BSL-4 laboratories.

Over time, we have expanded the capacity, speed, range and mobility of these specialized systems to accommodate the needs of a constantly changing market environment. We have also expanded our in-house engineering team and our manufacturing capacity to better serve our clients. As the market leader, our customer service and extended warranty programs are available on a global basis.





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11 lb per cycle low

pressure tissue digester.



BSL-3 (Ag) Containment Tissue Digester, 1,500 lb per cycle.

Installation of 10,000 lb per cycle tissue digester.

Effluent Decontamination Systems

Potentially infectious liquid waste receives more scrutiny than ever. BioSAFE has a track record of delivering thermal and chemical EDS systems that can treat this waste in a variety of facilities, up to and including BSL-4.

Our EDS designs range from small units that integrate within laboratory cabinetry to large-scale systems that address the needs of entire facilities. We can also design for deployable, containerized requirements. Regardless of configuration, all units are turnkey and ready to operate upon delivery.

This technology requires a thorough understanding of, and planning for, laboratory functions and waste profiles during normal, peak and emergency operations. We provide EDS systems to meet the most stringent physical and biological validation requirements under a host of conditions.

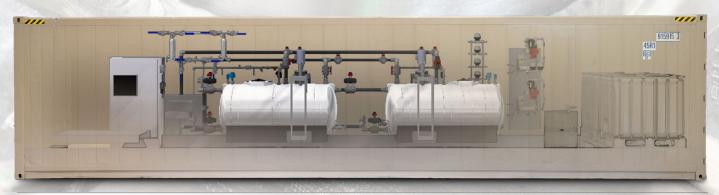
The value of working with our engineers extends beyond efficacy and safety. Designs for energy efficiency and system maintenance can also provide a lower overall cost of ownership.



80 liter per batch effluent decontamination system at the University of Melbourne's Peter Doherty Institute BSL-3 laboratory.



BSL-4 Effluent Decontamination System.



BSL-3 15,000gpd Deployable Containerized Chem-EDS - Government Laboratory, 2018.



A Clean Technology Company

BioSAFE Engineering is a global, leading provider of solutions that eliminate infectious, toxic and hazardous wastes.

Our mission is to help our customers protect human health, animal health and the environment by designing and building the world's best environmentally friendly technology.

Medical Waste Systems

In the mid-1990s, BioSAFE Engineering pioneered patented processes to replace incineration used in the healthcare industry.

Today BioSAFE Medical Waste Systems provides an array of waste treatment systems, employed not just in healthcare, but also crop science, agro-pharmaceutical and reference laboratory settings. Capacities range from 125 lbs/hr to 6,000 lbs/hr. The output of these systems can be the foundation for recycling programs as by-products can be composted, recycled or used in waste-to-energy production.



BioSAFE Medical Waste Systems

Advanced Engineering Services

We work closely with customers to innovate customized equipment and resolve their unique application challenges safely with targeted solutions. Through our advanced engineering capabilities, BioSAFE has created low-cost specialty incineration processes that are six times more efficient than other established methods. Our portfolio includes equipment design and manufacturing that solves a host of real-world problems including large volume destruction of explosive materials, absolute DNA destruction, unconventional bio-containment, agricultural product refinement from waste streams, and field units for biological emergencies.



Special inactivation of volatile materials.

Landfill Avoidance and Recycling Services

Equipment and processes for end-of-life purposes in place of disposal.



90% bulk reduced steam-treated waste.



Waste-to-energy solutions.

