

## Meet the Expert



**Sterling is a subject matter expert in Aseptic Facility Design and is considered by many to be a leading authority in state-of-the-art sterile isolator technology.**

For more than 35 years, Sterling has assisted pharmaceutical and biotech manufacturers and healthcare companies with strategic planning, master planning, programming, architectural design, construction management and facilities management. As an expert in the areas of aseptic and vaccine production facility design and isolation technology, he is a well known figure in the sterile industry and sterile equipment vendor community. Sterling has also been commissioned to provide numerous FDA training on barrier isolation technology.

His work experience includes completed projects ranging from major R&D facilities including discovery and development labs; clinical manufacturing pilot plants to manufacturing facilities incorporating both traditional and isolation technology. His work also includes support facilities including offices, warehouses, laboratories, utilities, parking structures and hazardous material holding buildings.

- Sterling developed a facility master plan, programming, conceptual design and detail design for a flexible Sterile Center of Excellence - a modular design isolation technology vial and syringe filling facility. The design utilized a modular three-story cell with the flexibility to handle liquid or lyo vial, syringe, or cartridge filling, from non-potent to highly potent products.
- Recently, Sterling designed a state-of-the-art biological fill/finish facility design for liquid / lyo vials and inhaled products utilizing isolation and BFS technologies. The filling lines share a common suite including formulation and component preparation. This completed facility is housed within three floors of an existing urban mid-rise corporate building.
- Applying his expertise, Sterling was instrumental in the development and overall design to create a Pharmaceutical Development Center of Excellence, bringing together early and late phase clinical manufacturing and development scale-up together within a single facility. Ultimately, this project was awarded the 2008 ISPE Facility of the Year, Category Winner, Equipment Innovation.

Sterling is a registered architect and licensed contractor and holds a degree in Civil Engineering from Northeastern University. He has written numerous articles, studies and technical papers and contributed Chapter 3, "Aseptic Processing Facility Design" for the forthcoming book edited by Akers & Agalloco, *Advanced Aseptic Technology*. Sterling is a welcomed speaker and has presented on topics such as: "Operational Effectiveness," Project Management for Sterile Manufacturing Facilities", Advanced Aseptic Processing, Facility Design" and "The Impact of Isolator Technology on Aseptic Process Facility Design".

### **Sterling Kline, RA Advanced Aseptic Technology Expert**

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#### **Areas of Expertise**

- Achieving Business and Project Objectives
- Advanced Aseptic Technologies
- Aseptic Facility Design
- Isolation Technology
- Award Winning Projects
- Strategic Planning
- Technical Consultancy
- Master Planning & Concept Development
- Creative Business Solutions

