



Bioprocess Architecture: Design of Biopharmaceutical and Vaccine Manufacturing Facilities

Michael C. Flickinger

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Bioprocess Architecture provides information on design principles of biopharmaceutical manufacturing facilities that support emerging innovative processes and technologies, use state-of-the-art equipment, are energy efficient and sustainable and meet regulatory requirements.

The book aims at educating architects, designers, construction and mechanical engineers, and other professionals about energy-saving utilities, fabrication techniques of modular facilities, single use equipment, and green building design among other topics. Through portrayal, examination and interpretation of award winning manufacturing facilities recognized for utilizing innovative technologies, the authors are emphasizing concepts and approaches towards facility design, construction, and operation based on emerging processes and new equipment.

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