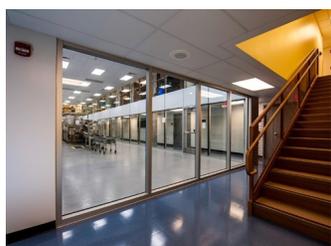




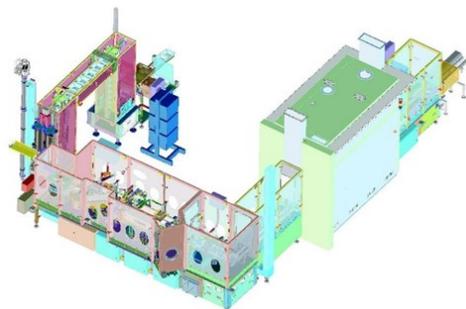
CASE IN POINT:

Genzyme Biosurgery, Ridgefield, N.J.



In 2007, Genzyme Biosurgery embarked with PS&S on a multi-year plan to upgrade one of its most important facilities, converting a single-product manufacturing plant into a state-of-the-art, multi-product facility.

PS&S provided total service capabilities to meet the client's needs, which entailed process, MEPS, architectural, structural, civil, environmental and other consulting services. The result was the transformation of the facility in Ridgefield, N.J. that featured expansion of 55,000 square feet of LEED Gold/Platinum office and laboratory space, and 80,000 square feet of manufacturing space, including provisions for gowning, warehousing and packaging areas, and upgraded site utilities.



"This has been one of our most interesting projects, and one of our most rewarding," said PS&S Senior Vice President Emad Youssef, PE, who oversees the firm's Life Sciences business.

Genzyme (now Sanofi Biosurgery) has seen production grow steadily to meet increasing patient demand for its medicines in the United States and across the globe. The company develops and markets surgical devices and biologics for osteoarthritis pain relief, adhesion reduction, cartilage repair and severe burn treatment.

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A multi-year master plan was developed by Genzyme and engineered by PS&S for the repurposing of the plant. Major infrastructure upgrades were undertaken to increase production, and to accommodate biologics and surgical devices production. The installation of new automated process equipment and containment systems increased production and improved worker safety.



Careful planning and execution was required, according to Tom Scally and Gino Nasi, the project manager and HVAC lead, respectively. In addition to working within stringent federal and local guidelines necessitated by the plant's location in the environmentally sensitive New Jersey Meadowlands location, project designers and engineers had to overcome stifling space constraints to enhance the outdated physical plant.

With program expansion utilizing exceptional strategic planning, manufacturing innovations and an emphasis on product quality and environmentally sensitive design, Genzyme has experienced considerable cost savings in product manufacturing and higher worker productivity, among other benefits.



Lou Cicchese, the client's Principal Project Manager – Operations, cited the company's strong working relationship with PS&S for enabling them to achieve a seamless operation that continues to prove effective to this day.

"PS&S is not just another architectural and engineering firm, but a partner in helping us to perform key projects for Genzyme," he said. "They have a "whatever it takes" approach to completing assignments and programs on time."

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