



PRESS RELEASE

ABEC Delivers Integrated Manufacturing Process to Regeneron Ireland

Bethlehem, PA USA (September 26, 2016) ABEC, Inc. today announced the completion of the installation of Regeneron's bulk biologics manufacturing process in Raheen, Co. Limerick, Ireland. In addition, the first process lines in the facility have been commissioned, validated, and licensed for production. This was achieved in 28 months from start of initial engineering, record time for a new large scale cell culture manufacturing facility.

ABEC delivered a complete Integrated Solution for the bulk bioprocess and clean utilities, including process and equipment engineering, 3-D design, equipment manufacturing, process automation, site installation and commissioning. The Integrated Solution is an alternative project delivery model combining process engineering and equipment into one turn-key scope of supply, rather than the traditional model where scope is sequentially broken out among multiple engineering and equipment suppliers. Integrated Solutions are customized to meet the diverse process, facility, and operating requirements demanded by the biopharmaceutical industry.

For this project, ABEC demonstrated the inherent cost, schedule, and risk benefits of the Integrated Solution. The supply base of the project was greatly reduced and accountability for the process scope was clear. Integrated testing of multiple unit operations at ABEC's manufacturing facilities reduced commissioning and qualification time at the site. Coordination with Regeneron's architectural and construction partners was greatly simplified. Equipment quality and documentation was consistent across the entire process.

Commenting on today's announcement, Daniel Van Plew, Regeneron Executive Vice President and General Manager, Industrial Operations and Product Supply said: "All large, complex engineering projects are full of twists and turns from beginning to end. Raheen was no exception, and ABEC's approach gave us the ability to navigate the gremlins we encountered along the way. It's amazing to have created something this massive, this quickly, and to have done it the right way."

ABEC President & CEO Scott Pickering added: "ABEC is proud to have partnered with Regeneron on this critical project. The Integrated Solution is a result of ABEC's long-term commitment to the biopharm industry, and we are pleased that it is helping speed the delivery of Regeneron's innovative medicines to patients."

For more information contact:

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About ABEC

Since 1974, ABEC has been a leader in delivering integrated process solutions for manufacturing in the biopharmaceutical industry. Many of today's leading antibody, vaccine, and recombinant protein therapies are manufactured by processes and equipment engineered, manufactured, installed and serviced by ABEC, and a majority of the world's pharmaceutical and biotech companies are ABEC customers. ABEC's unique value is based on long experience, complete in-house capabilities, a custom, flexible approach, and long-term credibility. Whether building new capacity or improving existing facilities, ABEC's turn-key solutions reduce overall cost and time to market while delivering maximum productivity.