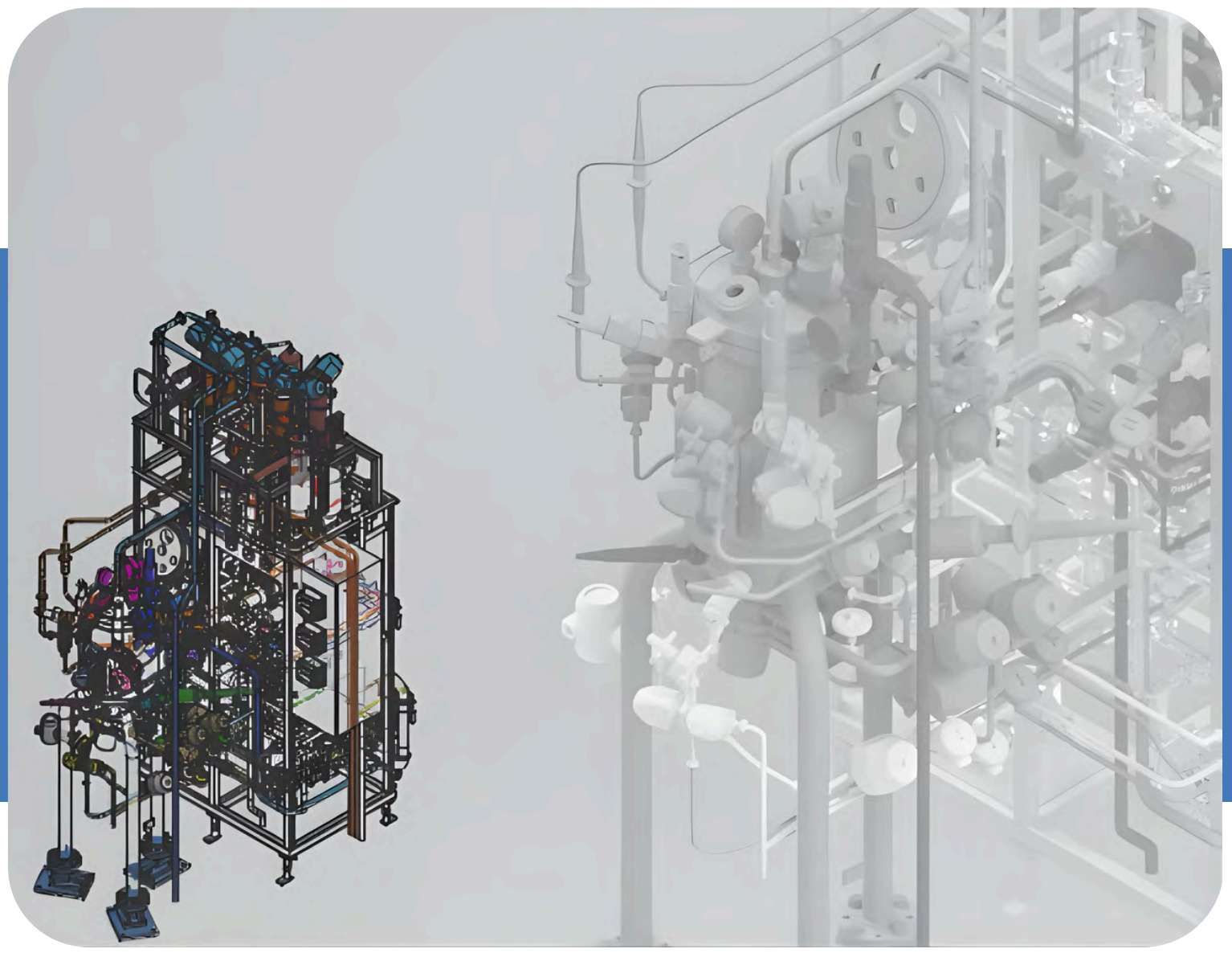


CASE STUDY

PROCESS MODERNIZATION FOR A LICENSED BIOPHARMACEUTICAL PRODUCT



THE CHALLENGE

Replace an aging fermenter-harvest process train running a licensed biopharmaceutical product. Convert from a cumbersome, SOP-driven manual process to a fully automated manufacturing solution while limiting re-validation costs.

THE SOLUTION

ABEC designed, engineered, manufactured, installed, and tested a completely customized equipment train consisting of a 25L fermenter, a 150L fermenter, harvest/diafiltration system, CIP skid, and associated interconnect piping. The fermenters were designed to have equivalent performance to legacy fermenters. ABEC developed a turn-key Allen Bradley/Rockwell Automation control system including hardware, software, programming, and system life-cycle documentation and provided a cGMP Documentation Turnover Package.

The equipment was 100% factory tested with the customer prior to shipment. ABEC provided full start-up and sit testing support after installation at the customer's facility including IQ/OQ.

THE RESULTS

ABEC delivered a customized integrated solution, while upgrading the customer's process to a fully automated control system. The equipment was delivered on time and validated without issue; The customer was so satisfied with the project that they ordered a second stainless-steel solution and a CSR single-use version

THE BENEFITS

- Reduced overall project and third-party supplier costs
- Reduced validation risk and costs
- Reduced operating costs
- Delivered process performance comparable to previous solution
- Ensure manufacturing continuity for the product



Maximizing Customer Productivity, Controlling Costs, and Reducing Risk

ABEC's service team is highly trained and experienced, working for customers to maximize productivity, control operating costs and mitigate risk. In every way, we strive to eliminate unscheduled shutdowns, while bearing in mind all factors associated with maintaining and improving bioprocess production operations and equipment. Our expertise and capability to address your specific requirements, in line with your schedule, make us the first choice for bioprocess services, no matter the location, the scale of the task, or the original manufacturer.



ABEC SERVICES THE ENTIRE BIOPROCESS

TO LEARN MORE, VISIT ABEC.COM OR EMAIL INFO@ABEC.COM