

Baxter BioScience Beltsville, MD Vessel Controller Skid

Baxter BiScience is dedicated to delivering “critical therapies for life-threatening conditions.” As part of their testing and development activities, Baxter needed a mobile test skid that could provide heating, cooling and pH level control to test cultures in 5 and 25 liter vessels. Baxter called on Hallam-ICS because they needed a team that could lead the design of the heating and cooling process for the skid; design and program a robust control system for the skid; and construct and install the skid in compliance with cGMP requirements.

Baxter and Hallam-ICS worked closely together early in the project to define the key requirements for this skid. First, it had to be mobile and easy to move to various parts of the facility. Second,

overall size was critical to allow the skid to fit into different rooms. Third, the skid had to have the capabilities to provide heating, cooling and pH control within tight tolerances. Fourth, it had to be cost-effective as it was the first of several that would be built for the site.

Hallam-ICS understood the requirements and assembled a team of mechanical and control system engineers to work closely together along with a specialty, high purity skid fabricator. After presenting multiple options and configurations, Hallam-ICS and Baxter agreed on a solution and manufactured the skid. The Hallam-ICS team then worked with Baxter to test and commission the skid, ensuring proper operation.

