



Custom FRP Products for an Acid Batching and Distribution Station

Opportunity: An acid batching station was having corrosion problems (related to HCL leaking) and structural failures while using stationary HDPE tanks and thin wall fiberglass products. The company needed a customized solution with enhanced structural capabilities to meet their industry and plant operating requirements (i.e. vacuum, pressure, chemical).

Solution: Beetle provided design, manufacturing, installation services, and technical support for custom corrosion resistant FRP tanks. Tanks were engineered to handle HCL and other strong acids. FRP tanks had numerous flange fittings and connections for customer's instrumentation and controls (i.e. level sensors). Beetle manufactured Fiberglass well lines and sourced stainless steel well lines per the customer's requirements.

Comments: Customer required FRP and PVC pipe, pipe routing, and valve work. Beetle worked with the customer and their start-up procedures to ensure system worked properly (i.e. hydro-test and technical services). We offer a wide range of technical and field services.

Custom FRP

1

For this project Beetle designed/manufactured four cone-bottom and five flat-bottom FRP tanks for HCL handling.

2

We provided a custom corrosion solution for HCL storage and handling. Our product reduced chemical corrosion damage to their machinery and facilities and increased the service life of the plant.

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