



GULF CONTROLS COMPANY

INNOVATIVE MOTION CONTROL

Custom, High Powered Subassemblies for the Entertainment Industry



Let's face it, in today's market, a shorter build cycle is what today's OEM's are looking for. Custom designed subassemblies give the manufacturer the flexibility and assurance that the final product will be more cost effective and easier to manufacture. At Gulf Controls, (GCC) we don't just design average subassemblies, we have the expertise for high powered applications, most recently for a customer in the entertainment industry to power motion base for a new ride.

The project involved a very large [HPU](#) (1200 hp) and several sub-assemblies. **GCC was tasked to design, build and assemble a compact solution for integrating filtration, pump and pressure control, isolation of pumps and other machine controls into a single manifold with a very aggressive timeline.**

Working closely with the customer's team, our engineers designed and fully assembled the power unit complete with six manifolds. It was also important to the customer that the unit be maintenance friendly. Our design allowed the system to stay online while maintenance is performed on pumps and manifolds (a hot standby design). Because of the complicated design, GCC was able to spec out the many different vendors involved with the build including pumps and valves from [Bosch-Rexroth](#), manifolds and valves from [Sun Hydraulics](#), actuators and filters from [Hydac](#) and manifolds from [Daman](#).

Using our technical expertise and superior manufacturers, the customer was able to save time and frustration in getting the project commissioned on time. Our sales staff of highly trained fluid power specialists and mechanical engineers can help guide you through the design phase of your projects to assure your fluid power systems provide the desired performance for your equipment. [Contact](#) our team help you with your next project.

