

Sorensen Integrated Systems

PRODUCTS

- Design/Build
- Directional Control Valves
- Equipment Procurement
- Lubrication Systems
- Machine Fabrication
- Pneumatic Filtration
- Project Management
- Power Station Automation
- Proportional Control Valves
- Sound Attenuation Enclosures
- Tubing Assemblies
- Turbine-Governor Integration

Sorensen Systems

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Hydraulic, Pneumatic and Electrical Control Systems for Industry

Sorensen Systems is a premier designer and manufacturer of hydraulic, pneumatic and electrical control systems for the water, waste-water, power generation, industrial motion control, and process control industries. It has built its reputation on successfully designing and building CE & CSA compliant hydraulic power units, pneumatic panels, equipment sound attenuation enclosures, lubrication systems, hydraulic and pneumatic filtration systems, proportional and directional control valves, hose and tubing assemblies.



A major manufacturer had a requirement for an integrated control system that required the design and assembly of a structural aluminum machine frame, pneumatic and automation assemblies, hose and stainless steel fittings and a PLC driven control system.

All completed systems are fully tested at its 60,000 square foot manufacturing facility in Massachusetts and provided with complete documentation packages at time of shipment. Use of non-proprietary equipment from leading manufacturers assures world-wide support for warranty and support services. When working with clients on an integrated system design, our commitment extends from initial concept through commissioning and extended in-the-field follow-up services.

Integrated Solution Keeps the Oil Flowing in Egypt

An interesting challenge requiring an integrated design solution was a requirement to build four skid-based oil pumping stations for a crude oil field in Cairo, Egypt. Part of the solution was the integration of multiple pumps on a single 40-foot skid-based platform.

Two pumps were required to meet the boost requirement, while the third in the series served as a back-up during



The compact design of the skid accommodated three pump/motor combinations working in parallel, each pump drawing oil from a common supply and discharge header, and each pump/motor has its own electrical controls and protective devices.

routine maintenance and any unexpected downtime. The use of multiple pump/motor combinations provided an economical means of transferring the crude oil between various locations. Each pump was of a compact design allowing for reduced horse power electric motors. Each skid contained motorized screw pumps, lubrication systems, large diameter piping, electronic control cabinets and complete instrumentation.