

# Sorensen Engineered Systems

## PRODUCTS

- Air Compressors
- Electrical Panels
- Flood Protection
- Gate Operating
- Hydraulic Manifolds
- Hydraulic Power
- Lock and Dam
- Positioning Tables
- Power Take Off
- Process Controls
- Reservoir Levels
- Waste Water

### Sorensen Systems

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## Turn-Key Fluid Power Systems From Design/Build Specialists

Sorensen Systems is a designer and manufacturer of turnkey fluid power and electrical control systems required to meet the stringent motion and control requirements of today's industrial OEM's. The company has established a strong reputation for accomplishment through the capabilities of its engineering, technical and fabrication talent. Its in-house capability for designing, manufacturing, and testing hydraulic, pneumatic, automation, and electrical control packages, including skid-mounted packaged compressed air and nitrogen generator systems makes it a leading engineered system provider in New England.



*Sorensen Systems designed and built three hydraulic power units and a PLC driven control system to remotely operate the gates from the passenger embarkation station on the San Antonio River Walk tourist attraction.*

Sorensen Systems 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.

## Engineered Solution Solves Gas Distribution Challenge

The community of Keene NH relied on engineering design fabrication from Sorensen Systems for an upgrade to its municipal propane gas distribution system. The solution was a custom sequenced blower package that provided a stabilized pressure source. The design incorporated four rotary-lobe blowers linked together to provide the required controlled pressure and internal back-up.



*The goal was to use four rotary blowers to upgrade from the existing gravity-fed system to a controlled pressurized distribution system.*

A pressure and flow controller package integrated the existing digital controls for the system. A new pressure sensor was mounted on the existing line, which mixes the propane, to provide the correct ratios and proportioning to meet varying demands. Sorensen Systems engineers developed the software programming that permits the blowers to work in sequence.