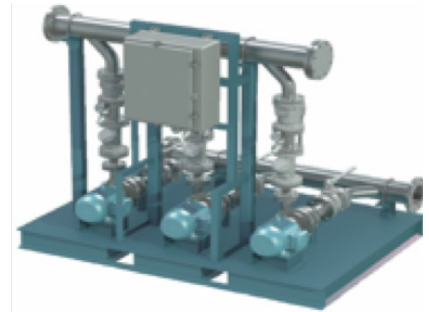


CUSTOM PUMP TANK ENGINEERING AND DESIGN

**Design and Construction Supervision of Control Systems for
both Chilled Water and Cooling Tower Water Pump Tanks.**



SOLUTION

- Provided onsite engineering and design services
- Custom panel and control configurations
- PLC and Frequency Drive parameter determinations
- Integration for addition of remote and drone chiller units
- Testing and Christening
- Coordination with both Electrical and Mechanical Engineering
- Successful Start-up with on time engineering
- End user product satisfaction with ongoing project support

RESULTS

- Multiple units successfully built and installed
- Up front engineering and CAD documentation for future product development
- Pieper Automation provided designs for multiple products at this one client facility including pump tanks, chillers, grinders, dryers, and blenders

PROJECT SUMMARY

At Pieper Automation, we pride ourselves in our unique ability to provide complete industrial automation/controls solutions & services for our customers, including on-site support, integration of machines/systems, new equipment design and machine upgrades. Along with our custom assembly machine manufacturing and panel building, we deliver you a seamless solution – from one supplier.

Pieper Automation has engineering and design skills for the construction of any new pump tank or upgrade system.

Pieper Automation was the lead engineering and design provider, with coordination of both mechanical and electrical engineering teams, piping design, structural one and two skid systems, PLC/HMI software integration for ancillary equipment, construction installation packages, and support for construction and startup.

Features of the system included: process and recirculatory systems; standby and flow control options; pressure monitoring for safe operating parameters; remote temperature and cooling controls for cooling tower configurations; mounted and stand-alone control options for optimum system integration.

Ancillary systems integrated included: chiller units; process temperature control; process pressure control; integrated alarm systems; automatic tank level and fill control, for water, mineral oil and glycol cooling systems.

Pieper Automation provided timely project communication and documentation, with weekly updates on cost, schedule and issues list. Mechanical and Electrical Engineers supported the onsite construction work and programming needs during startups.

Pieper Automation reduced the project costs by utilizing its project management skills and depth of experience.



WE ALWAYS FIND A WAY