

Projects for military facilities can pose unique challenges. Systecon's modular systems are the perfect solution. Up-front pricing makes it easy to manage the project budget and single source responsibility means less risk and project management since Systecon sources and manages all components of the system. Systems are built off-site and delivered ready for installation so there is limited site disruption with fewer people and tools needed on-site. Systecon can also manage installation and start-up to provide a greater level of consistency throughout the entire process. These can be important considerations for jobsites with tight security and safety requirements.

Proven Success

VariPrime® Chilled Water System

Systecon Solutions – Custom designed to meet load and efficiency requirements within a small footprint while maintaining appropriate space for maintenance. Factory tested to ensure quality and performance expectations.

System Data

Total Chilled Water Flow: 274 GPM
 Fluid: 30% PG
 Suction Pressure: 25 PSIG
 Working Pressure: 125 PSIG
 Maximum Pressure: 150 PSIG

Mechanical – Pumps, pipe, valves, strainers, air separator, expansion tank, glycol feeder, differential pressure transmitter, pressure transmitter, pressure gauge, flow transmitter, temperature transmitter (Chillers not provided by Systecon.)

Electrical –

Power Distribution

Single Power Feed
 Voltage: 460 Phase: 3 Hertz: 60
 Equipment braced for 65,000 AIC
 Individual variable frequency drive: Fused disconnect

Controls –

VFDs, UL listed control enclosure, controller w/HMI;
 pump sequencing for additional pump(s) start based on Systecon's Wire-to-Water Efficiency calculations;
 chiller sequencing by Systecon



Ft. Belvoir, VA

Indoor application

