

PLC or PAC – Which is right for your application?



Programmable Logic Controllers (PLCs) and Programmable Automation Controllers (PACs) are very similar as they both perform the same essential functions, but the differences between the two are important and distinct. All automated systems are built with a PLC or PAC to control each individual machine or station, but PACs provides more flexibility in programming, larger memory capacity, and better scalability for future expansion. PLCs, on the other hand, are ideal for both simple and high-speed machine control and provide a cost-efficient option for standard automation control. For unique, large scale automation projects, PACs are preferred as they work well in complex systems that involve several PC-based software applications.

GTH Modernizes PAC System at a Cement Company

George T. Hall Company recently upgraded a 25 year old Modicon 984 PLC system at a cement plant utilizing the Modicon M580 PAC. The M580 offers improved functionality with multiple protocol options, Ethernet remote I/O, improved cybersecurity and an advanced programming tool called Control Expert. Utilizing the I/O conversion adapters the field wiring remained in place minimizing down time and risk. The existing software application was also converted to retain the prior investment in software development furthering the ROI of this conversion. The improved functionality and future proof solution made this an all-around win for the customer.

GTH Upgrades PLC System in Southern California

Recently the George T. Hall Company signed on to assist a local California company looking to upgrade an existing PLC system controlling two digester gas air scrubbers. We recommended the Honeywell ControlEdge PLC which integrated seamlessly with their existing PKS system that controlled their large wastewater system. The ControlEdge has provided them with greater functionality, improved integration, and enhanced cybersecurity.

Contact your local GTH office for assistance with your next upgrade!



**Modicon
M580 PLC**



**GTH Programming
Service**



**Honeywell
ControlEdge PLC**