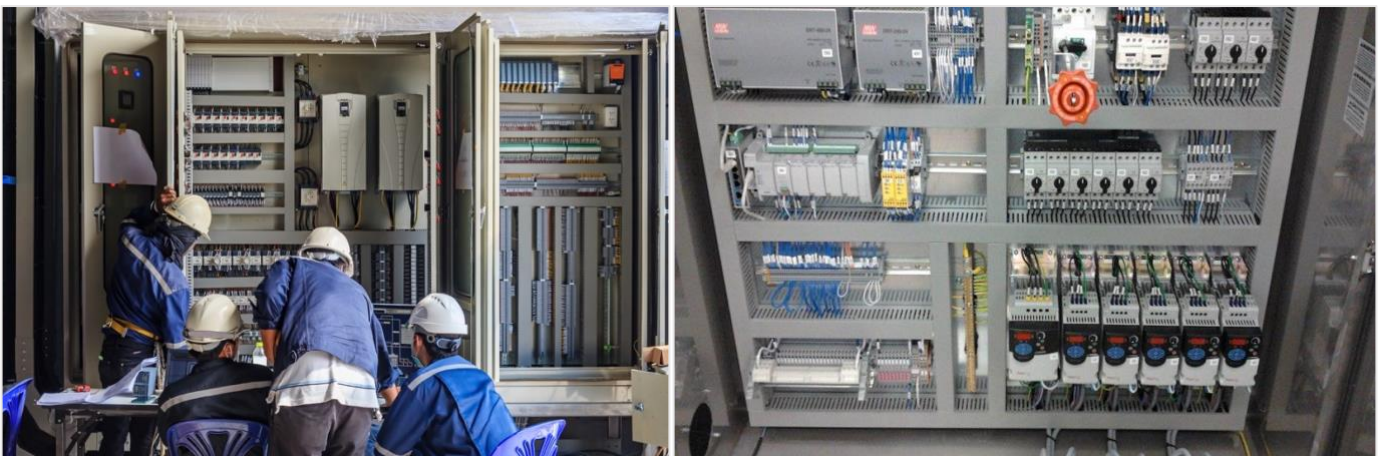


## Upgrade To PLC Controls

*Easy to operate, troubleshoot and maintain: PLCs bring efficiency to operations and diminish reliance on a single provider.*

PC-based control systems were at one time very popular in the material handling industry. As the benefits of PLC-based controls continue to grow, many companies are upgrading their PC-based controls and switching to a PLC-based system. PLC-based controls are fast, extremely reliable, are not subject to OS upgrades, and there is a broader group of technical resources available to troubleshoot and change logic. Not only that, but PC-based controls are often proprietary systems, locking customers in for life to the original provider for any additions or changes, whether mechanical or controls, are needed.

Some companies are afraid of the time and disruption it takes to upgrade equipment from PC-based to PLC-based controls, but when working with an experienced controls integrator like TREW, the upgrade process is broken down into manageable phases, with various areas of the system changing over as time allows and with little downtime.



**Some of the benefits of an upgrade from PC-based to PLC-based controls include:**

- Longevity – PLCs have a long lifetime (15 years or more), and the cost to replace them are very low
- Ease of change – Simple program modifications can be invoked on a PLC without the need for system downtime
- Compatibility – PLCs can interact and work with control networks, I/O, drives, as well as other software used within the warehouse environments
- Distributed and open architecture – minimize downtime risks from system updates and component failures
- Ease of troubleshooting maintenance – Nearly all electrical and controls technicians have familiarity with PLCs
- Low risk – PLCs are virtually free of hackers, virus and other security threats (unlike PCs)

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