

PLC Modernization Self Assessment



Understanding the age and lifecycle of your control system and related field devices is typically a task that is not managed on a regular basis. As your equipment ages, upgrades from antiquated hardware platforms can be risky due to the complexity of system architectures used and managing of the system cutover time window. JMP has performed 1000s of PLC, VFD, MCC, HMI, & SCADA system modernization projects and has a proven process to reduce and manage inherit risk. This self assessment scorecard aids engineers at end-users in determining risk, complexity, and change management opportunities (people, processes, and tools) and should be completed while speaking with a JMP Subject Matter Expert.

Please rank your responses on the next page from 1-5 with 1 representing strongly disagree and 5 being strongly agree.

Scoring:

40-50: You're well in control of your process. Let us know if we can help in the future.

35-39: Room for cost reducing process efficiency improvements. Call JMP to help.

10-34: High degree of process inefficiency and operational risk factors. Call JMP to help.

	1	2	3	4	5
1. Our drawing sets are easily accessible and up to date as accurate representations of the current control architecture.	1	2	3	4	5
2. We have a formal asset management system for tracking what critical assets are installed in the facility (i.e. HMI, PLC, VFDs) and their product lifecycle as it relates to preventative maintenance and obsolescence.	1	2	3	4	5
3. We are able to swap parts of the control system easily with minimal risk to production.	1	2	3	4	5
4. Critical asset programs are backed up on a regular basis and program changes are being tracked.	1	2	3	4	5
5. Our control infrastructure and associated field assets are Industry 4.0 / IIoT ready and can provide valuable production data for better business making decisions.	1	2	3	4	5
6. Ethernet is being or has been adopted as the standard control network on the plant floor.	1	2	3	4	5
7. IT is responsible for a portion or all of the plant floor network.	1	2	3	4	5
8. OT virtualization and thin clients have been adopted for plant floor applications.	1	2	3	4	5
9. There is no operational risk associated with system cutover (rip and replace vs phased approached).	1	2	3	4	5
10. We have levels of redundancy within our control systems (I/O, Controller, Applications).	1	2	3	4	5

TOTAL SCORE: _____

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Request an Onsite
Assessment

