

Pump and Compressor Station Self Assessment



Evaluation of the age and lifecycle of a station's control system and equipment is a task that is typically not managed regularly. Using legacy or obsolete equipment can lead to reduced efficiency and higher operating costs due to increases in downtime and maintenance. As your equipment ages, upgrades from antiquated hardware platforms can be risky due to the complexity of system architectures used and managing the system cutover time window. JMP has performed thousands of PLC, VFD, MCC, & SCADA system modernization projects and has a proven process to reduce and manage inherit risk. This self assessment aids engineers 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. Does the current state of the control network effectively support interconnectivity, interfacing with smart devices, integration with the enterprise system, and have sophisticated / reliable cyber security?	1	2	3	4	5
2. Does your current control system (DCS or PLC) have significant time before reaching the Original Equipment Manufacturer's end of life or useful life expectancy?	1	2	3	4	5
3. The station upgrade will be fairly isolated and only impact a single compressor / pump station in the network.	1	2	3	4	5
4. The software, control narratives, drawings and other documentation are updated with a current representation of the existing control system?	1	2	3	4	5
5. Do you have the required information and metrics to justify your upgrade project(s) and ensure ROI to receive approval / funding to move forward?	1	2	3	4	5
6. Does your facility have a formal process for tracking and documenting communication between stakeholders during a project? (Communications for local operations, engineering, maintenance departments, as well as corporate stakeholders and vendors.)	1	2	3	4	5
7. What is the current status of the station's control system with regards to monitoring, controlling, and enhancing the operating efficiency, reliability, and flexibility of the station's assets?	1	2	3	4	5
8. Does your current control system mitigate facility risk and avoid the issues of unscheduled process downtime due to system failure and / or reliability issues?	1	2	3	4	5
9. Does the current state of the station's environmental compliance meet/exceed local, state, and federal regulations?	1	2	3	4	5
10. What is the current status of the station's control system with regards to monitoring, controlling, and enhancing the operating efficiency, reliability, and flexibility of the station's assets?	1	2	3	4	5

TOTAL SCORE: _____

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Request an Onsite
Assessment

