

DCS Migration Self Assessment



DCS migrations are often riddled with risk due to complexity of process being controlled, the value of assets in use, and the risk of changing systems and I/O as you migrate from legacy systems to contemporary systems. 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. Does your current DCS system have significant time before reaching the Original Equipment Manufacturer's end of life or useful life expectancy?	1	2	3	4	5
2. The DCS upgrade will be fairly isolated and only impact a single discrete process within our operations.	1	2	3	4	5
3. 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
4. The software, control narratives, drawings and other documentation are up-to-date as 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 DCS Migration project(s) and ensure ROI to receive approval / funding to move forward?	1	2	3	4	5
6. There is no operational risk associated with system cutover (rip and replace vs phased approached)?	1	2	3	4	5
7. Are your PID loops up to date and well maintained, allowing them to be free of any false or nuisance alarms?	1	2	3	4	5
8. Does your current DCS 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. With your current DCS system are parts, service or support readily available and cost effective?	1	2	3	4	5
10. The existing I/O, field wiring and marshalling are still in fully operational condition and will be re-used with the upgraded DCS system.	1	2	3	4	5

TOTAL SCORE: _____

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Assessment

