

# Tank Farm and Terminal Self Assessment



Evaluation of the age and lifecycle of a tank farm'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 DCS system have significant time before reaching the Original Equipment Manufacturer's end of life or useful life expectancy?	1	2	3	4	5
3. Has your current control system seen various upgrades along with equipment and facility additions over the years resulting in a mix of technologies of various vintage?	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. Does your facility's tank automation and management systems efficiently manage the diversity of products handled today? Do these systems allow you the flexibility to adapt to changing market demands and to ensure that product quality remains high?	1	2	3	4	5
8. What is the current level of industry standards at your tank farm / terminal and has it changed to meet with industry's regulatory environment along with the current state of today's advanced technology?	1	2	3	4	5
9. How accurate is the operation of your tank farm/terminal facility? Is there room for improvement in precise knowledge of product inventory and transfer logistics?	1	2	3	4	5
10. What is the current status of your facility's safety system (ESD) and practices to protect the public and facility employees in the event of an emergency?	1	2	3	4	5

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**TOTAL SCORE:** \_\_\_\_\_

Request an Onsite  
Assessment

