

Reliable Manufacturing Culture Self-Assessment

		POINT SCORE:						
		0 pts	1 pt	2 pts	3 pts	4 pts		
		Strongly Disagree	Disagree	Not Sure	Agree	Strongly Agree	SCORE	
Part 1	Management Support, Plant Culture and Teamwork – 20 points possible						Part 1 Score	
A	Management has done a good job of communicating their strategy for manufacturing excellence throughout the company.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
B	Operations and maintenance work together as a team to solve problems.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
C	Production planning and maintenance planning frequently talk about equipment performance and capability.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
D	There is frequent communication and teamwork between operations, maintenance, engineering design, purchasing, stores, personnel, and other groups.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
E	Life cycle cost is always part of our asset management strategy.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Part 2	Reliability Benchmarks– 20 points possible						Part 2 Score	
A	Availability is at least 95%	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
B	Throughput Performance is at least 95% of Maximum.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
C	Quality Rate is 95% or better.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
D	OEE is at least 85%	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
E	Reactive hours / total hours is less than 10%	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Part 3	Reliability-based Operating Practices– 20 points possible						Part 3 Score	
A	We do a good job of accounting for production losses on a daily basis.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
B	We monitor process and equipment conditions for the potential of failure on a regular basis.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
C	We have very good shift handover practices. There is good communication between the shifts.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
D	Our start up and shut down procedures and practices include transition control for changeovers.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
E	The maintenance group understands all about the 7 questions of RCM.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Part 4	Spare Parts/Materials Management Practices– 20 points possible						Part 4 Score	
A	We try to make sure that new equipment has a good reliability record across different applications.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
B	Inventory is treated as a valuable asset; the storeroom is clean and well organized, quantities are accurate, access is restricted, and we have few stock outs.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
C	We measure and manage inventory performance.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
D	We regularly review and analyze our inventory by category for better management opportunities.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
E	We have a system for ensuring the correct spare parts are stored at the optimum quantity.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Part 5	PM/PdM Practices – 20 points possible						Part 5 Score	
A	Critical plant assets have been well defined in a database.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
B	We use a formal process to determine the appropriate maintenance strategy (Reactive, Preventive, Predictive or Proactive) based on FMECA and RCM.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
C	We have maintenance histories for all critical equipment.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		

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D	A critical spares parts list is fully stocked and maintained in support of the latest critical equipment list identified.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
E	We achieve 90%+ conformance to schedule for Routine PM's.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Part 6	Total Productive Maintenance – 20 points possible						Part6 Score	
A	A cross functional TPM team is established and resourced appropriately from management. All team members have defined roles and expectations are established and aligned. Meeting frequency is identified, and all team members participate consistently.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
B	A Daily walk around checklist is developed and performed consistently for every asset on the critical equipment list at a minimum. Operator and technician responsibilities are clearly defined.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
C	A Visual Management system is in place to capture issues identified during Daily Walk Arounds and scheduled time for PM on a monthly, quarterly and annual basis appear near the equipment. The board reflects red/green light status for overdue vs. performed.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
D	An Accountability process is established to address issues and overdue status in a timely manner.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
E	We have fully implemented 5S in the production areas.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
120 points possible						TOTAL SCORE		

Instructions:

1. This Reliable Manufacturing Culture Self-Assessment should be performed by individuals in the manufacturing organization.
2. As always, the usefulness of the assessment depends on sample size and the participants. Usually the more the merrier.
3. As for interpreting the results, Strongly Agree is the response you're hoping to get for each item. We suggest you take a look at which items participants hold perceptions that are not aligned with this. Then you can target your corrective and supportive feedback accordingly.
4. DPA would be happy to discuss your results with you if you would like a second opinion. Contact information follows below.

Thank you for downloading our Reliable Manufacturing Culture Self-Assessment. Please contact us if you have any questions or would like to discuss your results. DPA has been helping manufacturing organizations implement reliability in their operations since 1978.

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