8D SYSTEMATIC PROBLEM SOLVING

Dy Pacts & Figures > specify the problem (wink)/s (vol Arialys)s D3 Implement Containment Actions > Block sort of / rework inventories (parts / devices) > Stop production Place a Deviation Request for a Special Releese > Report unsafe product (at Kärcher: K-Failure) > Initiate a product recall (at Kärcher: Service Bulletin Level 1) D4 Optime Devisible root causes of the problem Use tools like 5-Why, Ishikawa and Gemba > Verify root causes by cross-referencing with Facts & Figures as well as to verify root causes by cross-referencing with Facts & Figures as well as to refine Corrective Actions and Verify their effectivity of Corrective Actions > Define Corrective Actions which will permanently eliminate the root causes Implement Corrective Actions and Verify Walke sure that the actions have no undesired side effects > Set up an action plan for tracking the actions a nodowneng a scensory > Roll back immediate actions (such as 100% inspection) Implement Set up an action plan for tracking the actions a nodowneng > Check if other products / devices / product versions / processes / plants	-				
D1 We have the area method: a bar method: Performance the trained in using the 8D method: Particle Performance the method: by have who are to provide specialist support to the person responsible Performance the method: by have who are to provide specialist support to the person responsible D2 We have the person responsible Performance the problem as precisely and completely as possible using Facts a. Performance the person responsible Describe and define the problem as precisely and completely as possible using Facts a. Performance the tis a respectation: Performance the problem as precisely and completely as possible using Facts a. D3 We have the person responsible Performance the tis area definition and using the 8D method: Sector 100 methods (Sector 100 methods) Performance the tis area definition and using the 8D method (Sector 100 methods) D3 We have a deviation definition of a temporary basis: Performance the response of the person mease of the problem (Sector 100 methods) D4 We have a deviation definition of a temporary basis: Performance the response of the problem (Sector 100 methods) D4 We have a deviation and users of the problem (Sector 100 methods) Performance the product (Response the product Response of the problem (Sector 100 methods) D4 We have a deviation and users of the problem (Sector 100 methods) Performance (Methods) Performance (Methods) D5		STEP	WHAT HAS TO BE DONE?		TOOLS
D2 filling D42 filling Describe and define the problem by Facts & Figures : Conduct analyses to identify potential influencing factors, accumulations and correlations : Describe the problem by Facts & Figures : Describe the problem by Facts & Figures as well as the failyses from stag or causes : Describe the problem by Facts & Figures as well as the failyses from stag or causes : Describe the problem by Facts & Figures as well as the failyses from stag or causes : Describe the problem was not avoided or detected in the process by finder or each or each or each or each or the problem by Facts & Figures (With With problem was not avoided or detected in the process by finder or each or			The person must be trained in using the 8D method. Specify the team members by name who are to provide specialist	8D EEE 8D REPORT	
 Stop production Implement Stop production Implement Place a Deviation Request for a Special Release Determine root causes Perfore Corrective Actions Perfore Corrective Actions and Verify Toot causes by cross-referencing with Facts & Figures as well as intradiance is preferable to failure detection Confirm effectivity of Corrective Actions via fidas, tests, calculations, intrudations, capability studies Define Corrective Actions and Verify Perfore Corrective Actions with will permanently eliminate the root causes Produce / implement the defined Corrective Actions, anchor these within the organisation and update documents accordingly Meake sure that the actions lave no undelified side effects Root within the organisation and update documents accordingly Meake sure that the actions (act as 100% inspection) Produce / implement the defined Corrective Actions, anchor these within the organisation and update documents accordingly Meake sure that actions (act as 100% inspection) Root back immediate actions (act as 100% inspection) Produce / implement request or the proces, approximation and update documents (accordingly) Meake sure that similar problemes cannot or a		Describe and define the problem	 Figures (What, Where, When, Which, How much, How critical, etc.) Check whether it is a repeat failure Conduct analyses to identify potential influencing factors, accumulations and correlations 	IS-/IS-NOT- ANALYSIS	HISTOGRAM
 Use tools like 5-Why, Ishikawa and Gemba Ishikawa and Gemba Is			 Stop production Implement 100% inspection (on a temporary basis) Place a Deviation Request for a Special Release Report unsafe product (at Kärcher: K-Failure) 	BLOCK REPORT STOP REPORT	E CHECK PLAN PAIS
 P Failure avaidance is preferable to failure detection Confirme effectivity of Corrective Actions via trials, tests, calculations, simulations, capability studies Define Corrective Actions and Verify the organisation and update documents accordingly Make sure that the organisation and update documents accordingly Make sure that the actions have no undesired side effects Set up an action plan for tracking the actions as necessary Returne actions Not black immediate actions (such as 100% inspection) Check if other products / devices / product versions / processes / plants may be affected by the same problem Ensure that similar problems cannot or are not "pre-programmed" to reoccur in the future Set up an action plan for tracking the actions have been implemented Verify that all defined actions have been impl		Determine root	 Use tools like 5-Why, Ishikawa and Gemba Verify root causes by cross-referencing with Facts & Figures as well as the analyses from step D2 	? +? +? +? +? +? +? +? +? SWHY ISHIKAWA DIAGRAM	GEMBA GEMBA GEMBA
 b adde sure that the organisation and update documents accordingly Make sure that the actions have no undesired side effects Make sure that the actions have no undesired side effects Rework / replace inventories (parts, devices) Roll back immediate actions (such as 100% inspection) Check if other products / devices / product versions / processes / plants may be affected by the same problem Check if other products / devices / product versions / processes / plants may be affected by the same problem Ensure that similar problems cannot or are not "pre-programmed" to audit, process audit or system audits Verify that all defined actions have been implemented Verify that all defined actions have been implemented Verify that all defined actions have been implemented Informall parties involved, affected or interested about successful orculusion of the process, sending an 8D report as appropriate Organise rework at costomers (Kärcher: Service Bulletin) 		Actions and Verify	 Failure avoidance is preferable to failure detection Confirm effectivity of Corrective Actions via trials, tests, calculations, simulations, capability studies Define Corrective Actions which will permanently eliminate the root 	Image: Arrow of the second	Image: Capability Analysis Image: Capability Analysis <td< th=""></td<>
 b. Verify that all defined actions have been implemented Verify that all relevant information has been documented Normall parties involved, affected or interested about successful conclusion of the process, sending an 8D report as appropriate Organise rework at customers (Kärcher: Service Bulletin) 		Implement Corrective	 within the organisation and update documents accordingly Make sure that the actions have no undesired side effects Set up an action plan for tracking the actions as necessary Rework / replace inventories (parts, devices) 	DRAWING SPECIFICATION DRAVING	
 Verify that all relevant information has been documented Inform all parties involved, affected or interested about successful conclusion of the process, sending an 8D report as appropriate Organise rework at customers (Kärcher: Service Bulletin) 			 may be affected by the same problem Ensure that similar problems cannot or are not "pre-programmed" to reoccur in the future Implement regular or temporary effectivity testing, such as via product 	DESIGN GUIDELINES PROBLEM HISTORY	PROCESS INSTRUCTION ROCESS FM
			 Verify that all relevant information has been documented Inform all parties involved, affected or interested about successful conclusion of the process, sending an 8D report as appropriate Organise rework at customers (Kärcher: Service Bulletin) 	SERVICE	

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> Mandatory activities **Optional activities**



