

REVOLUTIONIZING FLUORO-CHEMICAL MANUFACTURING: MASTERING 8D PROBLEM SOLVING WITH TITAN WORKSPACE'S WORKFLOW AUTOMATION



Fluorochemical manufacturing companies often face challenges in their 8D problem solving process, relying on manual methods such as Excel sheets and email approvals. These outdated methods result in inefficiencies, lack of standardization, and a need for a budget-friendly solution.

Similarly, one of the leading fluorochemical companies has been wrestling with this 8D approval process for years. They heavily relied on these massive Excel spreadsheets to track everything, and approvals got bottlenecked by endless email chains. It was a slow, cumbersome, and error-prone process. The company understood the need for something user-friendly, wouldn't break the bank, and wouldn't require our team to become a bunch of coding wizards. That's where Titan Workspace comes into play with its workflow automation module. The solution not only fits the budget of the fluorochemical manufacturers but also brings efficiency and productivity to their 8D problem-solving process.

What is 8D Problem Solving Process?

The 8D problem-solving process is a structured methodology used to identify, analyze, and resolve complex problems or issues within an organization. It consists of eight steps, represented by the acronym 8D, which include problem definition, formation of a problem-solving team, root cause analysis, implementation of corrective actions, and prevention of recurrence. A standardized 8D problem-solving template guides the process, providing a systematic approach to problem resolution. This methodology is widely used across various industries to address quality issues, improve processes, and enhance organizational performance.

Challenges Faced by the fluorochemical manufacturers

1

Lack of Standardization :

One of the primary challenges faced by fluorochemical manufacturing companies is the absence of a standardized 8D problem solving template process. This lack of standardization leads to inconsistencies in how issues are addressed and resolved.

2

Manual Work in Excel Sheets :

Another major challenge is the reliance on manual processes, particularly the use of Excel sheets for documenting and tracking the 8D problem solving process. This manual approach is time-consuming and prone to errors.

3

Email Approval Process :

Approval for 8D processes is typically done through email, which can lead to delays and difficulties in tracking progress. With multiple stakeholders involved in the approval process, emails can easily get lost or overlooked, resulting in delays in resolving quality issues. Moreover, manual process of approval lacked transparency and made it challenging to find the bottlenecks.

4

Need for Budget-Friendly, Easy-to-Use Solution :

Pressing need for a solution that is cost-effective, user-friendly, and easily integrated within the existing system, with swift implementation to minimize disruption.



Standardized 8D Problem Solving Template :

To address the lack of standardization, Titan Workspace provided a standardized template for filling out the 8D process form with customized drop-down menu. This template ensures that all submissions follow a consistent format, improving clarity and comprehension across the organization.



Workflow Automation Module :

Titan Workspace's Workflow Automation Module revolutionized the 8D approval process by automating the entire workflow. This streamlined the process, reducing manual intervention and minimizing delays in resolving quality issues.



Integration within existing M365 :

The customized template and workflow automation was integrated within the existing M365 subscription of the fluorochemical manufacturers.



D0 Plan for solving the problem and determine the prerequisites

AP No:	Select Site	Select plant
Complaint type:	Select Company name	Emergency address
Location:	Product Name	Product quantity Code
Date of open complaint	Initial response	Target closing date
QC initiator	Supervisor of QC initiator	Response date
Symptoms	Emergency response	Actual closing date

D1 Team Formation

Complain name	Team Name
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#	Team member name	As team	Responsibility	As team
1				
Total:				

D2 PROBLEM STATEMENT DESCRIPTION

Complaint statement

Complaint photos if applicable
 Upload File | No file chosen

#	SW21	Description	Actions
1	Where happen		
2	Who reported		
3	Which Batch		
4	Flow Diagram		
5	How Many Quantity Affected		
Total:			

D3 - INTERIM CONTAINMENT ACTION(S)

#	Containment Action Plan	Responsibility or Owner	Target Date	Verified by (Name)	Verified date	Status	Actions
1							
Total:							

D4 - ROOT CAUSE ANALYSIS

#	I/M	Probable Cause	% Contribution (optional)	Actions
1				
Total:				

Fishbone Diagram

#	Type	Probable Cause	Actions
1	Select		
Total:			

Verify Root causes

#	Type	Probable Cause	Mode of Verification	Verification tool used	Execution	Actions
1	Man					
2	Machine					
3	Method					
4	Material					
5	Measurement					
6	Management					

MAN Upload File | No file chosen MACHINE Upload File | No file chosen METHOD Upload File | No file chosen

MEASUREMENT Upload File | No file chosen

Why - Why Analysis on Probable causes - Occurrence

#	Occurrence	Question	Justification	Actions
1	Select			
Total:				

#	Method	Description	Actions
1	Select		
Total:			

Why-Why Analysis for Outflow - Optional

#	Why-Why Analysis for outflow	Description	Actions
1	Select		
Total:			

Why-2 Analysis for Outflow - Optional

#	Stages Name	Why-2 Analysts	Actions				
1							
Total:							

D5 - CHOOSE PERMANENT CORRECTIVE ACTION(S)

#	Issues identified	Corrective Actions	Document no. if any	Owner	Target Date	Verified by	Actual Date	Status	Actions
1									
Total:									

D6 - VALIDATE PERMANENT CORRECTIVE ACTION(S)

#	Action plan for root cause and escape point PCAA	Implementation plan for PCAA	Validation Date	Validation by	Status	Actions
1						
Total:						

D7 - SYSTEM PREVENTION ACTIONS TO PREVENT RECURRENCE

NOTE
 MAX CORRECTIVE ACTION IMPLEMENTATION HAS BEEN REVIEWED AGAINST DOCUMENT

#	System Prevention Action Plan	Target Date	Actual Date	Owner	Status	Actions
1						
Total:						

Horizontal Deployment of corrective action within site

#	Horizontal Deployment	Target Date	Actual Date	Owner	Status	Actions
1						
Total:						

D8 - Team and Individual Recognition

Team system photos upload (Optional)
 Upload File | No file chosen

Attached Document(s) : 0

Attachments Submit



Business Benefits :



- ✦ **Standardized 8D Problem Solving Template :**
To address the lack of standardization, Titan Workspace provided a standardized template for filling out the 8D process form with customized drop-down menu. This template ensures that all submissions follow a consistent format, improving clarity and comprehension across the organization.
- ✦ **Enhanced Standardization:**
The implementation of a standardized template ensured that all 8D process forms followed a consistent format. This improved clarity and comprehension, making it easier for stakeholders to understand and address quality issues.
- ✦ **Cost Savings:**
The automation of the 8D approval process resulted in cost savings for fluorochemical manufacturing companies. By reducing the manual effort involved in the approval process, companies were able to allocate resources more efficiently and reduce operational costs.
- ✦ **Improved Collaboration:**
Titan Workspace's solution facilitated better collaboration among stakeholders involved in the 8D approval process. The centralized platform allowed stakeholders to track progress, communicate effectively, and resolve quality issues in a timely manner.
- ✦ **Ease of Use:**
One of the key benefits of Titan Workspace's solution is its ease of use. The platform is intuitive and user-friendly, requiring no training and no coding skills. This accessibility ensures that all employees can easily participate in the 8D approval process, improving overall efficiency and effectiveness.

Conclusion :

By implementing Titan Workspace's Workflow Automation Module, the fluorochemical manufacturers revolutionized the 8D approval process. By addressing challenges such as lack of standardization, manual processes, and email approvals, the solution delivered significant business benefits, including increased efficiency, enhanced standardization, cost savings, improved collaboration, and ease of use.

