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8D (Eight Disciplines) Problem Solving Template

What is 8D (Eight Disciplines) Problem Solving Template?

The Eight Disciplines (8D) Problem Solving Template is a structured approach to problem solving that was developed by Motorola in the 1980s. It's widely used in industries such as manufacturing, healthcare, and software development to improve process efficiency, quality, and reliability.

Here are the eight disciplines:

1. **Define:** Clearly define the problem or opportunity for improvement. This includes specifying the goals, objectives, and scope of the project.
2. **Detect:** Identify the root cause(s) of the problem by gathering data and analyzing information related to the issue.
3. **Diagnose:** Determine the primary and secondary causes of the problem. This involves identifying the underlying factors that contribute to the issue.
4. **Design:** Develop potential solutions or alternatives to address the problem. This includes generating ideas, evaluating options, and selecting the best solution.
5. **Develop:** Create a detailed plan for implementing the selected solution. This includes establishing timelines, allocating resources, and assigning responsibilities.
6. **Deploy:** Implement the solution by putting it into practice. This involves training personnel, setting up processes, and providing necessary equipment or software.
7. **Deliver:** Monitor and control the implementation of the solution to ensure that it meets its intended goals. This includes tracking key performance indicators (KPIs), identifying obstacles, and making adjustments as needed.
8. **Dispose:** Review the outcome of the problem-solving effort and document lessons learned. This involves evaluating the effectiveness of the solution, identifying areas for improvement, and sharing best practices with others.

The 8D Problem Solving Template provides a structured approach to problem solving that ensures all aspects of the process are considered, from defining the problem to delivering the solution. By following this template, organizations can improve their ability to identify and solve problems efficiently and effectively.

problem, quality, improvement, methodology, quality, failure, analysis, process, control, software, development, healthcare, manufacturing, efficiency, reliability, goals, objectives, scope, data, analysis, evaluation, solution, plan, implementation, training, equipment, software, tracking, kpi, obstacles, adjustment, documentation, lessons, learned, best, practices, sharing

8D Problem Solving Template

D0: Prepare for Problem Solving

- **Team Members:**
 - **Date of Initiation:**
 - **Problem Description:**
-

D1: Establish the Team

- **Team Leader:**
 - **Team Members:**
 - **Roles and Responsibilities:**
-

D2: Describe the Problem

- **What is the problem?**
 - **Where is it happening?**
 - **When did it start?**
 - **What are the consequences?**
 - **How big is the problem (size, severity)?**
-

D3: Implement Containment Actions

- **Immediate Actions Taken:**
 - **Effectiveness of Actions:**
 - **Duration of Containment:**
-

D4: Identify Root Cause(s)

- **Root Cause Analysis Tools Used:**
 - **Identified Root Causes:**
 - **Evidence Supporting Root Causes:**
-

D5: Choose and Verify Permanent Corrective Actions

- **Permanent Corrective Actions Proposed:**
- **How will effectiveness be verified?**

- **Plan for Implementation:**

D6: Implement and Validate Permanent Corrective Actions

- **Implementation Plan:**
- **Validation Results:**
- **Lessons Learned:**

D7: Prevent Recurrence

- **Actions to Prevent Future Recurrence:**
- **Changes to Processes/Systems:**
- **Training Needs Identified:**

D8: Congratulate Your Team

- **Recognition Activities:**
- **Feedback from Team Members:**
- **Summary of Success:**

Appendix

- **Supporting Documents:**
- **Data Analysis:**
- **Meeting Notes:**



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- [Problem Solving](#)

External links:

- [8D Methodology | Problem Solving Method | Example | Excel](#) —*nikunjbhoraniya.com*
 - 8D Methodology is a systematic problem solving method related to 8 disciplines. It

was popular by Ford Motor Company across the automotive industry.

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