**EXAMPLE MANUFACTURING FISHBONE DIAGRAM**

* Contaminants
* Non-conformity
* Incorrect settings
* Replacement
* Satisfaction
* Knowledge
* Neglect
* Obsolescence

Outdated Equipment

Inadequate Setup

Frequent Breakdowns

Lack of Training

High Turnover

Low Morale

Impure Raw Materials

Substandard Parts

Inadequate Supply

Inaccurate Calibration

Measurement Errors

Inconsistent Standards

* Inconsistencies
* Shortages
* Defects
* Delays
* Operator error
* Misinterpretation
* Equipment
* Technique
* Wear
* Overuse
* Misalignment
* Engagement
* Attrition
* Skills
* Tool wear
* Variation

Problem Statement

Frequent Equipment Failures

* Temperature
* Humidity
* Compliance
* Flow
* Monitoring
* Ergonomics
* Standardization
* Compliance
* Accessibility
* Efficiency
* Clarity
* Relevance
* Execution
* Scheduling
* History
* Detection
* Response
* Analysis
* Clarity
* Timeliness
* Tools
* Scheduling
* Resources
* Guidance

Measurements

Materials

Maintenance

Delayed Repairs

Poor Record Keeping

Inadequate Maintenance

Management

Poor Communication

Ineffective Planning

Lack of Support

People

Machines

Environment

Poor Workspace Layout

Unsafe Practices

Unstable Conditions

Methods

Poor Documentation

Inconsistent Implementation

Outdated Procedures

MANUFACTURING FISHBONE DIAGRAM

Text

Text

Text

Text

Text

Text

Text

Text

Text

Text

Text

Text

Text

Problem Statement

Category

Category

Category

Text

Text

Text

Category

Text

Text

Text

Category

Category

Category

Text

Text

Text

Category

Text

Text

Text

|  |
| --- |
| **DISCLAIMER**Any articles, templates, or information provided by Smartsheet on the website are for reference only. While we strive to keep the information up to date and correct, we make no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability, suitability, or availability with respect to the website or the information, articles, templates, or related graphics contained on the website. Any reliance you place on such information is therefore strictly at your own risk. |