



# 6 CAUSES OF DEFECTS

Keeping You Stuck in the Reactive-Planned Domain

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- RAW MATERIAL AND PROCESS INPUTS**  
LOW QUALITY RAW MATERIAL, HIGHLY CONTAMINATED, NOT MEETING QUALITY SPECIFICATIONS, HIGHLY CORROSIVE, HARDNESS OR MATERIAL DEFECTS
- OPERATIONAL DISCIPLINE**  
OVER-SPEED, UNDER-SPEED, OVER-LOAD, MISSING OPERATOR PROCEDURES, FUNCTIONS OVERRIDDEN, FAILURE TO REPORT EARLY INDICATIONS OF MALFUNCTION
- MAINTENANCE WORKMANSHIP**  
MISSING WORK SPECIFICATIONS, LOW SKILLS, NOT USING THE RIGHT TOOLS PROPERLY, RUSHED WORK, WRONG WORK TYPE
- MAINTENANCE MATERIAL AND STORAGE**  
LOW QUALITY REPLACEMENT PARTS AND COMPONENTS, POOR STORAGE, COUNTERFEIT MATERIAL, EXPIRED MATERIAL, WATER INGRESS, CONTAMINATION, POOR DISTRIBUTION AND HANDLING
- DESIGN, BUILD, INSTALL**  
NOT FIT FOR PURPOSE, NOT BUILT TO STANDARD, NOT ACCEPTANCE TESTED, NOT INSTALLED PROPERLY, POOR ACCESS TO MAINTAIN, POORLY DESIGNED
- ASSET LIFECYCLE DATA**  
POOR QUALITY DATA, MISSING DATA, CORRUPT DATA, WRONG DATA, DISCONNECTED DATA

# DEFEAT THE DEFECT DRAGON

Reliability Leaders™ Use Defect Elimination as a Superpower to Free Their Teams from the Reactive-Planned Abyss

**Uptime Elements**  
A Reliability Framework and Asset Management System™

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A Culture of Reliability™

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