Root Cause Failure Analysis

WHAT IS ROOT CAUSE FAILURE ANALYSIS?
RCFA is a defined process that systematically identifies the technical, human and latent roots of a problem. It is applied to equipment problems in the effort to eliminate failure potential.

EMERSON’S ROOT CAUSE FAILURE ANALYSIS SERVICES
- Conduct RCFA strategy session
- Develop overall RCFA program flow
- Select 1st RCFA method
- Select materials analysis lab
- Develop tracking tool
- Train personnel on 1st method
- Select additional methods
- Provide training on additional methods

BEGINNING YOUR ANALYSIS
- Decide the level of detail to be used in the analysis
- Seek input from those involved to gain a more in-depth understanding of what occurred
- Conduct an initial examination at the failure site
- Look at current operating conditions vs. optimal operating conditions
- Establish the primary failure and the resulting secondary failures
- Study and analyze the components of the primary failure
- Conduct all available testing technologies and verify results against design
- Make a determination as to the type of failure, the work process and human systems involved in the breakdown