

MATERIAL FAILURE ROOT CAUSE ANALYSIS

Failure analysis determines the root cause of failure should your equipment or asset fail or not perform as expected. The findings provide you with insights to resolve the problem – and take action to prevent recurrence.

Root Cause Analysis (RCA) is the investigative process employed to determine the underlying event(s) responsible for failure(s). The underlying “root cause” event can be associated with the design, manufacturing, end usage conditions (e.g. human factors) as well as other elements of a system's design.

The course will cover

- Introduction to Root Cause Analysis (RCA)
- Data Collection
 - Assessment
 - What is Root Cause Analysis (RCA)
 - How to Perform Root Cause Analysis (RCA)
 - Introduction to Engineering Materials in Oil/Gas and process industries
 - Introduction to materials failures
 - Corrosion failure:
 - Corrosion forms
 - Mechanical failure
 - Root Cause Analysis (RCA) technique
 - Failure investigation

Related Analytical Instrumentation & Techniques

- Optical

More information contact Dr. Girgis at girgis825@gmail.com