

## Failure Analysis

Failure Analysis Services Failure analysis is the logical, systematic examination of an item, its construction, application, and documentation to identify the failure mode and to determine the failure mechanism and its basic cause. Failure analysis without recommendations to prevent similar, subsequent failures does not do justice to the client's true needs. REKSOLINDO specializes in root cause failure analysis, corrosion investigations, materials and metallurgical engineering, fitness for service to API 579, and product liability analysis. We determine how and why equipment, components, metals, alloys and non-metals fail, as well as performing complete, thorough investigations to determine the fitness of equipment that has deteriorated due to corrosion, fracture, mechanical damage, or exposure to fire. Our standards are high in appreciating the client's needs for understanding the exact cause for a failure and we are known for providing honest, practical solutions with the specific needs of the client in mind. Our materials and corrosion engineers experience extends across most industries, including power utility plants, refineries, chemical plants, pulp and paper mills and manufacturing facilities. Our engineers are backed by a well-equipped laboratory. The combination of our engineering experience and fully equipped laboratory facilities allows us to efficiently uncover the root cause of a failure and help recommend the best solution to prevent recurrence. The chances are, if you have a problem, we have already seen it. We look forward to helping you with your failure needs and providing you with practical engineering solutions. REKSOLINDO failure analysis team is always headed by a senior metallurgical engineer who has the following characteristics:

- Ability to remain unbiased and reject conventional wisdom.
- Ability to facilitate a group of people toward a common objective.
- Trained in logic tree approaches to failure analysis.
- Affinity for listening and questioning for understanding.
- Patience and perseverance.

Categories of consulting services that we have experience in include:

- Upstream and Downstream Oil & Gas
  - Petrochemical
  - Refining
  - Power
  - Alloy Producers
  - Equipment Manufacturers
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