

# Root cause analysis

## Precise insights

Understanding the true root cause before implementing repairs ensures the most appropriate approach is taken.

## Contract discussions

The insights can significantly aid negotiations with OEMs.

## Negotiation advantage

Armed with an RCA, customers are better positioned in cost negotiation dialogues related to blade repairs/collapse.



Our expert team can deliver a complete RCA service, or we can supplement in-house capabilities to support more complex analysis.

Our independent and unbiased approach, combined with our extensive blades database and track record uniquely positions us to support customers with blade issues.

## What we offer

### Holistic analysis

We conduct a comprehensive assessment to determine the structural causes of blade damage, going far beyond surface-level investigation.

Our insights are backed by a global database of blade damage cases, enabling us to identify patterns and rare failure modes others may miss.

### Understanding blade behaviour

This service provides an understanding of blade structural behaviour, including insights e.g. on how bondlines are stressed during operations, and other core competencies that are integral to blade operations.

### Mitigation impact assessment

In addition to identifying causes, the service evaluates the effects of proposed solutions to mitigate these damages, ensuring that proposed solutions are flexible.

### Focus on critical aspects

Unlike traditional RCAs that majorly focus on material science, we emphasise a four-fold approach considering materials science, structural understanding, manufacturing and blade operational loading.

### Independent, reliable expertise

Our RCAs draw on in-house structural experts and collaboration with the Technical University of Denmark, ensuring accuracy and independence from OEMs.