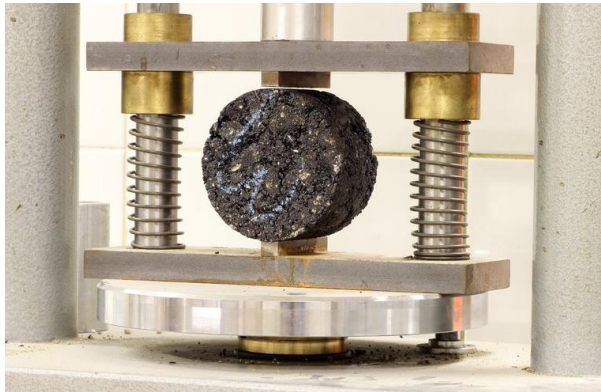


# Materials Testing

Materials testing is an important component in any function of building and operating equipment. Knowing the properties of materials can influence the design of systems and how they may be operated. Various non-intrusive techniques and destructive measures exist to aid in compiling the data required to ensure products are manufactured and perform as specified. Through their effective implementation and use, clients may gather the data required to ensure suitability for service and/or identify areas of concern within a given system.



## THE Applus+ SOLUTION

Applus+, through its long history of dealing with both non-destructive and destructive testing measures, provides clients with the information needed to properly assess their systems and components. The overall goal of Applus+ is to provide the information required by the operator to ensure minimal system upsets over the course of the asset's life. Through the use of internal and/or external data-management software, results may be recorded and reported, trending previous data points with a view to building predictive models and estimating potential asset life.

## Clientes

All industries benefit from the use of an effective materials programme. Whether the inspections being performed are to verify component material, confirm functional material properties or investigate for potential defects, the undertaking of such a programme helps to ensure the function, quality and safety of an asset.

## Beneficios

Benefits of materials testing include:

- Understanding the mechanical properties of the materials used
- Assessing system integrity
- Verifying the materials used throughout construction
- Identifying potential areas of concern
- Proving through destructive means a model of expected exposure
- Enhancing product quality
- Ensuring the safety of those working in areas of potential energy release