

# FAILURE, DAMAGE OF METALLIC PARTS

Analyse and understand the failure of a part, product or metallic equipment



## Your expectations

A metallic part is considered to be defective when it no longer ensures its function (damaging, fracture, alteration of the surface appearance, variation of geometry or its mechanical characteristics).

Further to the failure of the metallic part, you would like to conduct an analysis in order to:

identify the causes, origins and solutions

understand the damage or aging phenomenon (phenomena)

determine the liability of the parties involved (designer, supplier, manufacturer, user)

## Our solutions

We offer and conduct a comprehensive investigation which leverages on a stringent methodology based on all the examinations and parameters related to the failure:

expert investigation on site

analysis of fracture, wear, distortion, corrosion, surface alteration, geometrical and material health analysis, mechanical and physical characterisation of materials

simulation in the laboratory: accelerated aging (corrosion, wear/friction, fatigue, creep)

identification of any design, manufacturing or use defects

advice regarding the redesign and improvement of processes

## Your benefits

Multisector expertise based on more than 50 years of experience

Our organisation is recognised with legal expert and insurance companies

Neutrality and independence that guarantees the objectivity of our results

A comprehensive and multi-skilled approach which addresses the failure from its origin to the implementation of practical solutions

Access to the most advanced technologies, skills and equipment

Responsiveness and mobility of our teams in France or abroad to cope with your emergency situations