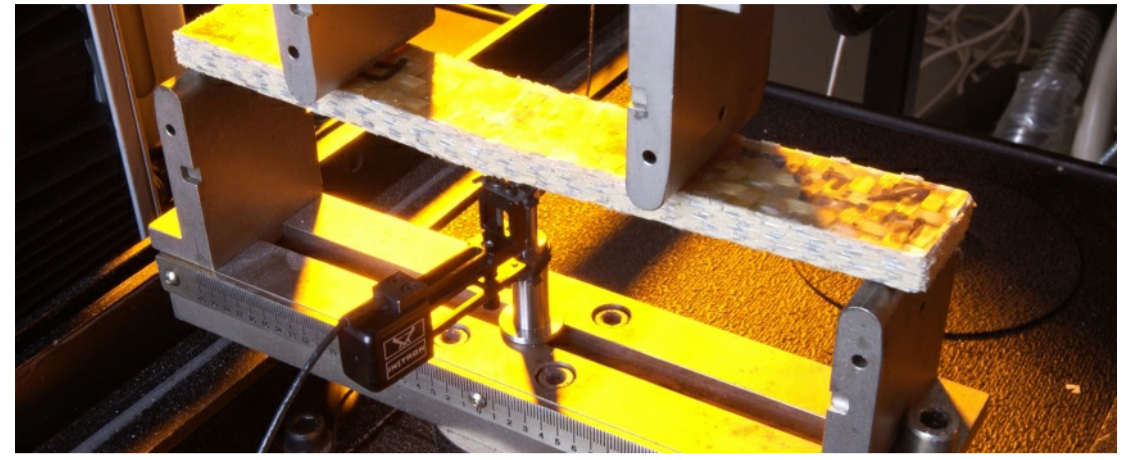


# TESTING AND ANALYSING POLYMER/COMPOSITE MATERIALS



**Specialist's advice to implement an alternative to metals**

## Your expectations

As part of the design or development of your products:

characterising and qualifying composite, plastic and elastomer materials in comparison with the expected applications

validating the expected behaviour of your parts or structures including these materials

## Our solutions

Characterising and analysing the behaviour of composite, plastic and elastomer materials

recommending and defining testing protocols according to the materials and expected functions

precise characterisation of materials, determination of behaviour laws with innovative equipment (video-strain), special fixtures (e.g. compression and shear), impact tests

standardised tests

mechanical and physical-chemical tests

prediction of services lives and ageing tests (weathering, creep, fatigue tests, etc.)

use of advance simulation equipment in order to establish calculation/tests correlations

material health test

## Your benefits

Cetim's multiple competences associate the characterising and testing approach with expertise in design or redesign and failure analysis. Cetim's multiple competences also allow carrying out projects of multi-material parts or structures (composite, plastic, elastomer, metal, etc.)