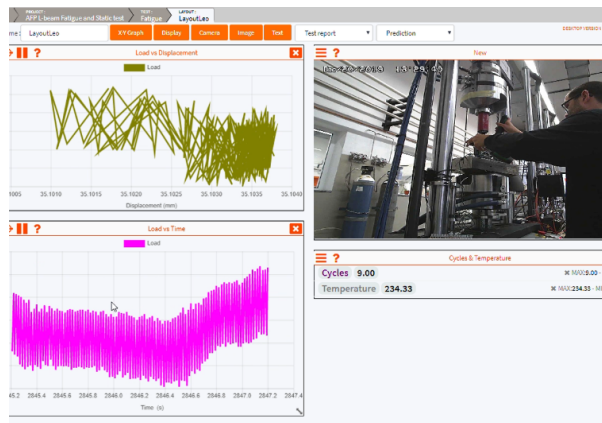


e-Testing

Many test programmes, such as in aerospace, are characterised by the multisite and collaborative nature between teams of the manufacturer, partners and suppliers. The management of these programmes has usually been based on the transfer of specialised personnel teams, which implies management and communication problems, as well as increases in costs and product-development times.



THE Applus+ SOLUTION

The e-Testing platform enables the online management, monitoring and control of tests and other projects in the aerospace sector in real-time monitoring, required by the client and its suppliers. e-Testing responds to the concept of open laboratory because the solution allows clients to participate in the testing and gathering of results. This digital solution has been specially developed to reduce the risks associated with testing and to shorten the validation deadlines for product-development programmes such as in aerospace.

e-Testing has been developed through different internal RandD projects, with the support of the Spanish Ministry of Industry, Commerce and Tourism within the context of the AVANZA programme, and the European Commission within the framework of the NHYTE project included in the H2020 programme.

SCOPE OF SERVICE

- Online multisite access in real-time available to all test personnel and partners.
- Monitoring and control of the customised test for each person according to their role (suppliers, managers, test manager, test leader, engineering team, etc.).
- Access to test data in real time in a personalised way (custom layouts creation).
- Visualisation of the test from all angles and scales (from test rig to part details).
- Graphic display of the test control parameters.
- Real-time comparison of test data with predictions.



- Layout customisation for each partner or role.
- Remote management of project results and documentation.
- Tool for automatic creation of customised test reports for each person involved in the project.

APPLICATIONS AND RELATED SERVICES

The e-Testing system is applicable to any test category and to all the scales of a programme (coupons, details elements, subcomponents, components, etc.):

- Material tests
- Structural tests
- Statics, durability and fatigue tests
- Fire and thermo-technology tests

Target customers

Clients with testing requirements from any sector.

Key customer benefits

- Monitorability of multiple tests remotely in real time, regardless of the site of testing.
- Reduction in the time to analyse the data of each test and across the entire test programme.
- Reduction in travelling (and associated costs) during the follow-up of the tests.
- Improved communication between the personnel involved in the tests (laboratories, client's team, partners and suppliers).