

Project case review

TecniTest Ingenieros S.L.

TecniTest is an NDT engineering company that works with a range of industrial sectors to optimise inspection costs, time and reliability.

The company also manufactures and integrates advanced NDT inspection systems. Equipment is designed to meet customer needs, and modifications are made for specific applications.

TecniTest is also a specialist NDT software developer, experienced in developing defect recognition algorithms for a number of different NDT techniques.



Crawler system for X and Gamma radiography

Filmfree and TecniTest

TecniTest has been well-placed to make a significant contribution to the project due to its specialist knowledge and experience in integrating NDT systems, and developing custom-designed NDT software - particularly relating to component and defect recognition.

The company has contributed to Filmfree by (a) developing high speed X-ray image reconstruction and defect recognition software algorithms and (b) integration of the stable X-ray generator and direct X-ray conversion detector.

Project benefits

The main achievement of the project is standardisation of digital radiography inspection and comparison of different techniques. Benefits of Filmfree to TecniTest include knowledge of digital radiography, additional recognition with customers and new business contacts.

One job has been safeguarded at TecniTest and a further safeguarded job estimated for the future. Additional business is expected in the form of equipment sales and training.

Future plans

Further defect recognition software work is anticipated. In addition to developing and delivering training courses, TecniTest will introduce digital radiography to its clients on a case-by-case basis.

