



Toulouse, 14 June 2017

International Paris Air Show SIAE Le Bourget: ECA Group and NICOMATIC form a partnership for the development of a new electrical testing solution for aerospace

ECA Group, specialized in the design and integration of testing solutions for the aeronautics industry, and NICOMATIC, a manufacturer and designer of interconnect solutions, are combining their know-how and formalizing their partnership on the occasion of the International Paris Air Show in Le Bourget (19-25 June 2017).

NICOMATIC and ECA are currently developing an electrical testing solution designed for both civilian and military aerospace customers that is able to precisely locate wiring faults in any type of aircraft. With airplanes integrating more and more electrical functions, wiring harnesses play a role that is increasingly important in onboard systems. Testing these harnesses is a major challenge for aircraft manufacturing and maintenance.

This innovative solution is the result of the successful integration of NICOMATIC's **SmartCo** technological module within ECA's **T-CELL** technology.



SmartCo is a solution that uses reflectometry, a diagnostics method based on the principle used by radar. The innovation behind the SmartCo solution is that it combines reflectometry with communication using the new Orthogonal Multi-tone Time Domain Reflectometry (OMTDR) method. This OMTDR technology is able to perform preventive maintenance and detect faults within a wired network more quickly.



The T-CELL technology developed by ECA Group performs a very extensive battery of electrical tests on board aircraft. Thanks to its compact, modular and evolutive design, test methods based on T-CELL technology have been very successful with aerospace customers, with over 10,000 T-CELL modules in service.

The combination of these two innovations results in tools that are more user-friendly and compact when working on complex electrical networks. Users will be able to reduce the down-time of their aircraft and better anticipate certain issues through preventive action.

ECA Group and NICOMATIC look forward to meeting with you at Booths F108 and D79, Hall 2B, where you will be able to discover a working model based on ECA's TC200 electrical test case and a presentation of the OMTDR technology.

The contract will be formalized at ECA Group's booth (F108) on Tuesday, 20 June 2017 at 10 am followed by a conference presenting this new solution at 11 am

At NICOMATIC's booth (D79), ECA-NICOMATIC projects and solutions will be presented on Wednesday, 21 June at 11.15 am.

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