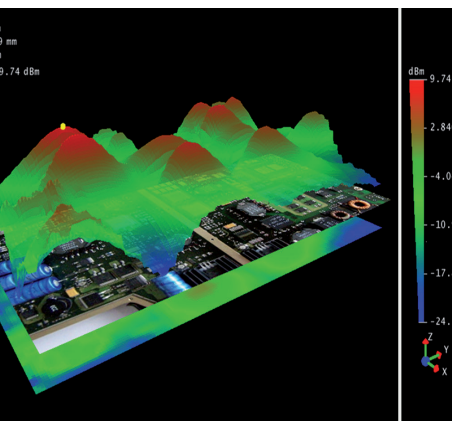
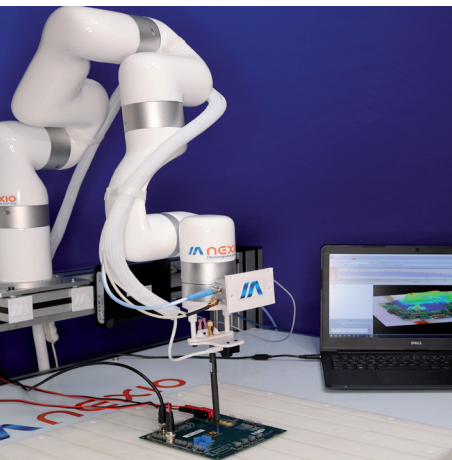
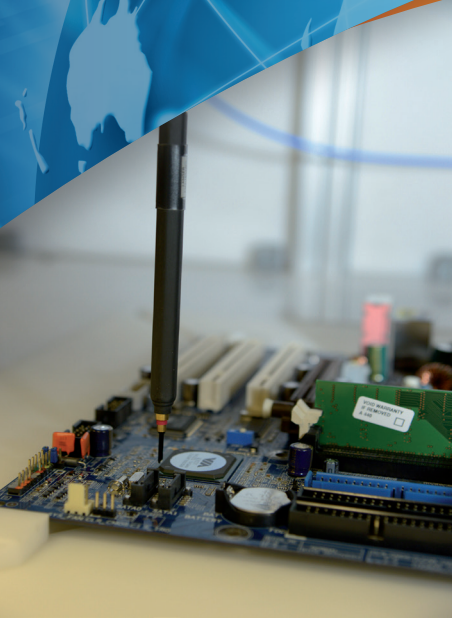


// BAT-SCANNER

Design analysis by measurement

Simplify your EMC investigation



Leader and market leader in the treatment of electromagnetic waves, BAT-SCANNER helps to design electronic circuits by evaluating their behaviour and detecting emission problems.

// The solution is here

BAT-SCANNER:

- **Reduces** qualification test days and investigation time.
- **Analyses** product performance and modifications.
- **Ensures** product quality.
- **Accessible** to all, no EMC knowledge required.
- **Locates** areas of disturbance thanks to 3D visualisation.
- **Carries out measurements quickly**, compared with conventional EMC measurement equipment.



// They are convinced

AIRBUS AIRCRAFT, AIRBUS DEFENCE SECURITY, AQUITAINE ELECTRONIQUE, ATMEL, CNES, CONTINENTAL AUTOMOTIVE, CST, ESEO, GERAC, IMEP, IRSEEM, LAAS-CNRS, LATTIS, NXP, ONERA, RENAULT, SATIE, SERMA, STUDELEC, TE CONECTIVITY, THALES AIRBORNE SYSTEMS, THALES ALENIA SPACE, VALEO.

// BAT-SCANNER

Design analysis by measurement

Optimise the design of your products



// Use cases

Apply constraints to board specifications and radiated emissions.

Assess non-regression in the context of design modifications or component obsolescence.

Characterise shield leakage (location, quantification, etc.) and assess impedance mismatch of PCB tracks.

Optimise component-board or board-housing placement to reduce auto-immunity phenomena.

Build databases of electronic components or boards.

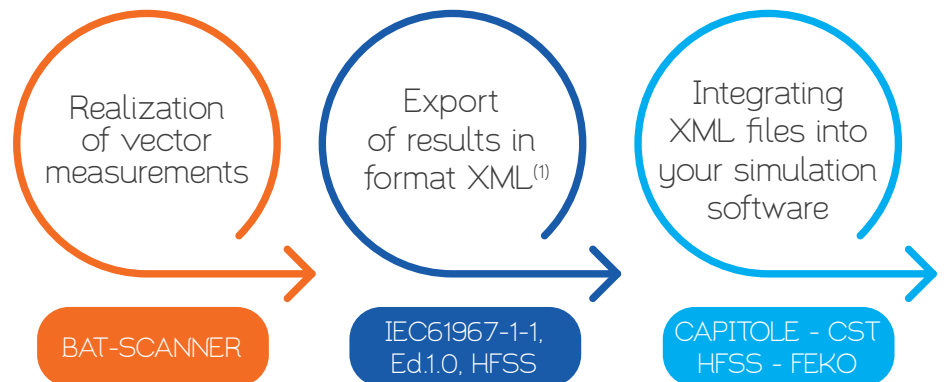
Calculate field distribution at any distance using near-field / far-field transformation techniques.

Reinforce and support modelling and digital simulation work (creation of radiated models).

// Automation with BAT-SCAN software

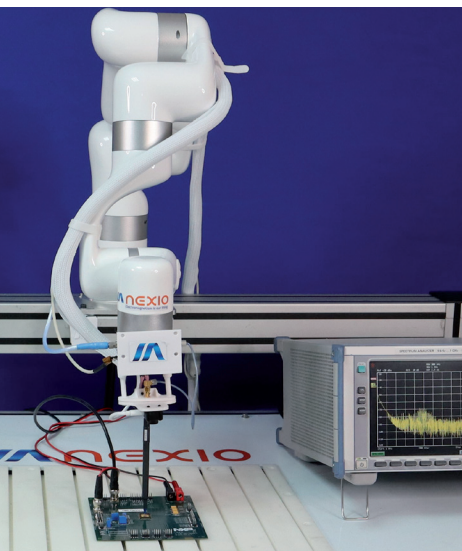
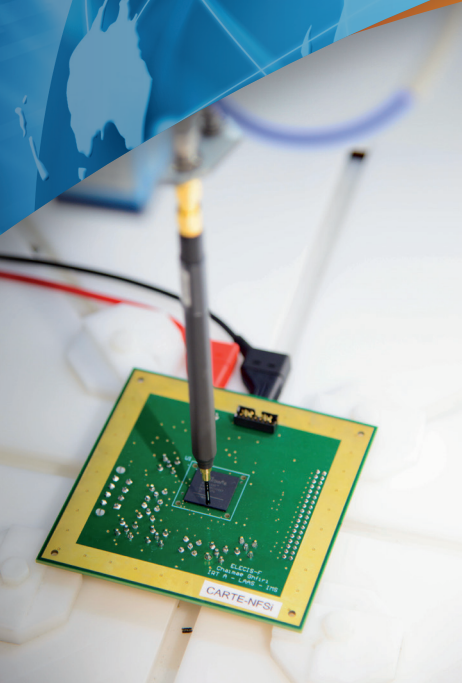
This industrial software, developed by NEXIO, is adapted to measurements carried out with a near-field scanner. It enables:

- control measurement equipment via communication (Ethernet, GPIB, USB, RS232, etc.)
- real-time analysis of measurement results
- graphical and 3D visualisation of results via NFS Viewer (free)
- automate vector measurements, enabling a direct link with EMC simulation tools on the market:



Users benefit from NEXIO technical support and software maintenance.

(1) Supply of XML format documentation.



Mechanical specifications:

- Repeatability: 0.1 mm Max. speed 1m/s
- Weight: 11.2 kg
- Measurement volume: 500 x 500 x 400 mm
- Effective measurement accuracy: 0.1 mm
- Integrated camera
- Probe protection system