Customized tools for an efficient virtual prototyping
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Expertise, Team, customization, continuity, client-driven

When can a simulation be considered really effective?

A simple look at the current market offer in the simulation field suggests that this is not a trivial question: most of the computer models may look quite appealing from an aesthetical point of view but, when a real tangible support to project delivery is required, often reveal a limited effectiveness.

This is particularly true in the electromechanical field, where the integration between motions, power circuits and control system is challenging and the industry request for simulation results quality is quite strict.

Real virtual prototyping, aimed at an effective design support, differs from a purely qualitative simulation in the following aspects:

• **Strong user expertise** in the design field
• Use of **dedicated software**, specifically developed for the electromechanical field
• **Continuity** in the software development
• Wide range of skills in the development team (materials, mechatronics, vibro-acoustics..)
• Possibility to **develop customized tools to address specific requirements**

**The collaboration offered by Spin Applicazioni Magnetiche is aimed at achieving an effective design support via the most appropriate device analysis and optimization.** The development process can also be integrated, when necessary, by a range of additional activities, including magnetic material characterization and final prototype build.