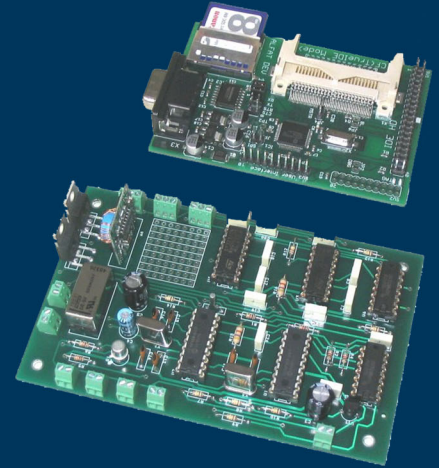


Hardware and software design

electronic design

Graal Tech designs and realizes customized electronic boards for a wide spectrum of purposes: from simple interfacing modules to advanced processing units based on microcontrollers, DSPs, PLDs or FPGAs. In addition to hardware, optimized firmware code implementing specific applications may be provided on demand.

Among the most relevant Graal Tech realizations it is worth citing control systems for mechatronic devices, servo systems for electric motors, modules for signal acquisition and signal processing, power management units.



Years of activities in the field of robotics and in other critical applications where the hardware size and its power consumption are often an issue, led Graal Tech to mature strong expertises in designing and implementing embedded systems. Different families of programmable devices, microcontrollers and DSPs, with relative development and simulation environments, are indeed frequently used by Graal Tech for developing advanced integrated solutions tailored to the application needs and constraints. Further strong competencies are registered also in designing distributed real-time applications based on CAN-bus or other fieldbuses.

Personnel from Graal Tech are indeed currently holding courses at University of Genova on programmable logic devices, VHDL, and programming techniques for microcontrollers and DSPs.

