

## software development

In the software area, Graal Tech can rely on a team of expert software engineers providing a fundamental support during all the phases of software development process: design, implementation, testing. The main software expertise of Graal Tech regards real-time applications, thanks to the consolidated experience in developing control systems for advanced robots or other specific applications in the field of automation. During years of activities, Graal Tech matured strong skills on the most used real-time O.S., such as pSOS+, VxWorks, and the real-time extensions of Linux, RT Linux and RTAI. As it concerns VxWorks, Graal Tech is among the technical partners of the customer service for the Italian branch of Wind River since 2000. The wide spectrum of applications covered led to gather experiences also on different hardware platforms: from more conventional centralized architectures, based on VME, ISA, PCI PC104 buses, to networked applications or distributed embedded systems, based on low-cost and low-size processing devices such as microcontrollers, DSPs or FPGAs.

The development of several real-time applications, frequently involving crucial mission-critical constraints to satisfy, allowed to acquire deep competencies on the most modern tools and techniques for advanced programming. As a result Graal Tech is today a valid software partner, also for non real-time applications, concerning the development of generic graphical user interfaces and other utilities for Linux and Windows environments.

