Unmatched Solutions Across the Globe

Concurrent Real-Time is unrivaled in helping companies accelerate innovation, reduce time-to-market, and improve their competitive advantage. The breadth and depth of Concurrent Real-Time’s expertise serves a myriad of industries and applications, with our innovations powering development and deployment around the world. Our custom engineering and consulting capabilities, coupled with a global sales and support staff in North America, Europe, and Asia means we can meet your needs wherever you are.

What We Do

We dedicate our expertise to the aerospace & defense, robotics, transportation, medical, and industrial control industries with complete, cutting-edge solutions for:

- X-in-the-Loop Simulation
- Hardware-in-the-Loop
- Software-in-the-Loop
- Man-in-the-Loop
- AI-in-the-Loop
- Data Acquisition & Processing
- Digital Twins
- Process Control
- Transaction Processing

Why Choose Concurrent?

- **Expertise in Real-Time Systems**: Over five decades of experience and extensive expertise in mission-critical, real-time computing.
- **Comprehensive Products Suite**: Real-time operating systems, development tools and specialized hardware.
- **Focus on Mission-Critical Applications**: Purpose-built for critical applications where failing to respond on time is not an option.
- **Global Presence with Local Support**: Offices in over six countries. We offer global reach coupled with local support.

Company History

For more than 50 years, we have provided the best-in-class, real-time solutions and support for mission-critical applications worldwide.

Concurrent Real-Time is owned by Spectris, plc, and is part of its HBK Virtual Test Division. Spectris, plc specializes in precision instrumentation and controls, and employs over 7,500 worldwide.

Featured Customer

Ghost Robotics’ robot dogs needed a flawless operating system to maintain military base security. Concurrent Real-Time’s RedHawk Linux delivered guaranteed performance, eliminating glitches and ensuring mission success.
Hardware

iHawk Servers
A high-performance, real-time Linux-based computer platform, using the latest Intel® and AMD® processors to allow our customers to scale and use COTS I/O products.

ImaGen
A real-time visual server family that offers fully integrated, affordable high-performance image generation (IG) solutions for real-time simulation and modeling applications.

Software

RedHawk Linux
With extremely low latency, advanced tuning features and real-time determinism, RedHawk is the most advanced open-source Real-Time Operating System (RTOS) available in the marketplace today.

RedHawk KVM-RT
Create both real-time and non-real-time virtual machines to consolidate subsystems and incorporate legacy applications.

SIMulation Workbench
A complete framework for running real-time Hardware-in-the-Loop simulations using your own C code or third-party Simulation code from companies such as MatLab and Adams.

FPGA Workbench
Programmable high-performance FPGA solutions with a library of pre-built IP cores and the capability of building your own IP core modules that work within the RedHawk OS.

SIGnal Workbench
Provides flexible programmable signal conditioning and fault insertion solutions for data acquisition applications.

NightStar Tools
Powerful set of tools for developing applications and tuning performance on RedHawk OS.

Engineering and Consulting
All systems are delivered to our customers preconfigured and application-ready to run their real-time applications. In addition, Concurrent Real-Time has always helped our customers develop application-specific and custom solutions to meet their needs in any real-time environment.

HOW CAN WE HELP?
Reach out and let us know what your real-time challenges are. We look forward to talking about your specific requirements today.

CONTACT US
Phone: 1.800.666.4544
Fax: 1.954.973.5473
800 NW 33rd St
Pompano Beach, FL 33064
info@concurrent-rt.com
www.concurrent-rt.com