

DRIVE YOUR INDUSTRIAL EQUIPMENT PROJECTS TO SUCCESS

RT-Labs specializes in simplifying industrial software challenges. We handle platform, integration, testing, and certifications, so you can focus on what matters the most - your products.

THE CHALLENGE

STAYING AHEAD OF INDUSTRIAL STANDARDS

The industrial equipment & machinery industry demands certified compliance with industrial protocols like Profinet, CANOpen, and EtherNet/IP. You also need a robust software platform to deliver seamless performance. On top of that, efficient test automation coverage is essential to eliminate errors and meet tight launch schedules.

Relying solely on internal resources for these tasks can delay progress, drive up costs, and create unnecessary strain on your team.

THE SOLUTION

DON'T REINVENT THE WHEEL - USE PROVEN SOLUTIONS

Industrial Protocols

RT-Labs provides ready-to-use products for industrial systems, including industrial protocols such as Profinet, EtherNet/IP, Modbus and more. These solutions integrate seamlessly into your systems, ensuring faster implementation and full compliance with industry standards. We also handle the certification process for you, so you can focus entirely on driving innovation.

Core: RT-Kernel, RT-Workbench, and ACF

At the heart of our software platform is RT-Kernel, a robust real-time operating system designed for demanding applications. Paired with RT-Workbench, our powerful integrated development environment, and the Application Component Framework (ACF), we simplify the creation and visualization of complex systems. ACF allows you to define functions, arguments, and task deadlines in a JSON format, automatically generating a C-code framework and graphical system visualization. Together, these tools empower you to develop reliable and high-performing real-time applications efficiently.

Test Automation and HIL

RT-Labs offers advanced test automation solutions to reduce risks and accelerate time-to-market. Our TS19 Hardware-in-the-Loop (HIL) rig provides real-world testing capabilities, ensuring your systems perform reliably under varied conditions. Combined with an automated testing framework, our solutions catch issues early, ensuring your product consistently meets the highest quality standards.

