



# WIND RIVER PROFESSIONAL SERVICES MEDICAL SOLUTIONS

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## BROAD CAPABILITIES, DEEP EXPERTISE

Wind River® Professional Services offers a wide range of consultative services, technical capabilities, and proven solutions to help medical device manufacturers plan effective development strategies, overcome their most pressing development and compliance challenges, and meet aggressive time-to-market goals. Wind River has extensive experience serving segments such as therapeutics, lab diagnostics, patient monitoring, imaging, and mobile health (m-health).

What truly sets Wind River Professional Services apart, however, is the breadth of its experience with the complex, multi-platform development and testing requirements of today's medical devices, and the depth of its expertise in life-critical applications. Specifically, Professional Services can accelerate medical device innovation through a broad range of offerings aimed at the following:

- **Taming the complexities of a multi-platform world:** The medical industry is far from immune to the increasing fragmentation of devices and platforms: smartphones, tablets, netbooks, e-readers, Android, iOS, Linux, VxWorks®, and so on. Each new permutation adds complexity and delay to device development and testing. Professional Services can help you strategize and execute on initiatives aimed at consolidating and standardizing platforms, and help you adopt open technologies where appropriate. In addition, our expertise at integrating Wind River technology with the latest open source and proprietary technology is unparalleled. By engaging with Wind River, you can regain control over your development processes while removing risks, accelerating development schedules, and removing technical roadblocks.
- **Simplifying and accelerating BSP development:** Fragmentation is also impacting the board manufacturers who serve medical device makers. Professional Services addresses the challenge by offering development, delivery, and support of board support packages (BSPs) and peripheral drivers using Wind River BSP specialists. By rigorously testing BSPs according to the documented test plan, Wind River can improve BSP quality and generate the right artifacts for the regulatory process so that market windows can be met.
- **Strengthening device safety and security:** Medical device developers need to take a more holistic approach to device security, considering security issues at every phase, including design and development, management and updates during deployment, and disposal. Professional Services can provide guidance and technology to integrate security into the entire lifecycle of your project. By taking a platform approach to security, and by building a platform with security-enabled components, Wind River can help medical device developers reduce security risks while actually decreasing development costs and timeframes.

- **Extending connectivity for mobile healthcare without increasing risk:** As medical devices become more intelligent and control more aspects of patient care, clinical diagnostics, and hospital administration, there is a need for ever-greater connectivity in medical devices—both at the physical layer and in terms of accepting standardized data (HL7 connectivity, for example). But the complexity of connectivity is creating huge challenges for device manufacturers. Professional Services has the technologies and the expertise to make connectivity part of the solution rather than part of the problem. As a key enabler of the massively interconnected Internet of Things, Wind River is uniquely qualified to help medical device manufacturers provide interoperable connectivity while meeting all relevant safety requirements; standardize on open platforms to simplify, accelerate, and future-proof development; and take advantage of next-generation connectivity technologies and standards as they emerge.
- **Managing regulatory compliance issues:** Wind River has experience helping medical customers meet stringent and complex compliance requirements. As the industry leader in embedded software, Wind River also draws on considerable experience serving multiple industries with equally demanding compliance requirements, including aerospace and defense, the industrial and energy sectors, and the transportation industry. Our experience in these industries, as well as the medical sector, has given us a depth of understanding and expertise that can greatly benefit medical device manufacturers.
- **Lifecycle management:** Professional Services has extensive experience providing long term support for embedded software projects that extend over years, not months. Whether assisting with component obsolescence or simplifying software maintenance lifecycles, Professional Services can provide expert assistance every step of the way, throughout the project lifecycle.

## TALK TO US

Wind River Professional Services has a strong track record of guiding our customers through the complexities of embedded software design and implementation. Certified to CMMI Level 3 across all of our global development centers, our proven engagement methodology, timely delivery, and in-depth understanding of market and technology dynamics have made Professional Services a valuable implementation partner to our customers.

We welcome the opportunity to discuss the services we can provide to meet your specific needs. For further information, contact your local Wind River sales representative by visiting [www.windriver.com/company/contact/index.html](http://www.windriver.com/company/contact/index.html), calling 800-545-WIND (9463), or sending an email to [inquiries@windriver.com](mailto:inquiries@windriver.com).

