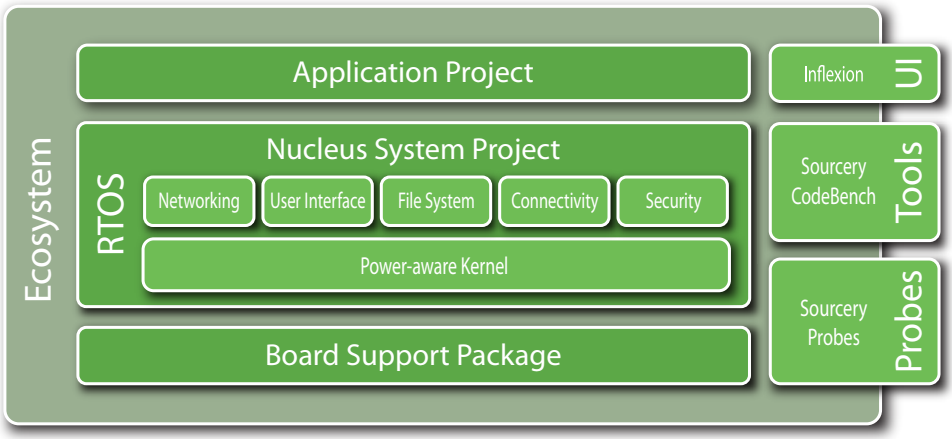
Nucleus RTOS Hardware Enablement Services

D A T A S H E E T

Semiconductor manufacturers and their suppliers are building more and more specialized reference platforms to deliver to vertical market OEMs. The Mentor® Embedded Hardware Enablement Program enables hardware companies to create a synergistic ecosystem of middleware and advanced peripheral support, optimized for their specific hardware, and combined with state-of-the-art development and user interface tools, to deliver a complete solution to their OEM customers.



Nucleus Hardware Enablement Services brings a comprehensive approach to the requirements of hardware platform development.

For today's new connected devices requiring very low power and a small footprint, device makers demand a proven, highly efficient, and reliable real time operating system. Nucleus – successfully deployed in over 2,500,000,000 devices – is that RTOS.

Nucleus is ideal for resource-constrained devices (frequency and memory) and for environments where squeezing out every cycle per watt is paramount. With power management designed into the Nucleus kernel and our peripheral drivers registering their available power states automatically, writing power saving applications to specific use cases has never been easier. Nucleus offers a comprehensive set of connectivity support that scales to any target hardware and provides unique differentiation for OEMs to create market-leading products.

Nucleus Hardware Enablement Services can leverage Mentor's rich history in real time operating systems, and world-class professional services and tools to provide and integrate the exact software needed for hardware companies to deliver a complete, efficient platform to their OEM customers.

Program Highlights:

Support for the latest technology
Hardware companies and their customers can take advantage of the latest in technology to reduce risk

Open ecosystem for development
An ecosystem of embedded tools, middleware, operating systems (including Linux, Android, RTOS), and services readily available

A comprehensive set of services to support tools and platforms
Services include support for platform development on bare-metal, RTOS, and open source operating systems, GNU toolchains, and embedded UIs

Advantages/Benefits:

Expert global assistance
Mentor's hardware enablement solutions are supported by a team of experts around the world

Meet the ever-growing demands of OEMs/ODMs
A full range of expert services and offerings to help ensure timely delivery to OEM customers

Mitigate risk
Successful hardware builds via development services, proven technologies, and design

Increase design wins and accelerate product time to market
Foster an open and efficient software ecosystem

For more details or to begin an engagement, contact the Mentor Embedded Hardware Enablement Program Team at: me_hep@mentor.com

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