

Military & Aerospace Sector



WHO IS MAPUSOFT?

MapuSoft Technologies is the number one provider of embedded software reuse solutions to embedded software engineers. Our tools remove the dependency of application software from the computing platform; this protects the original software investment by creating an easy path to migrate the software to new operating systems and platforms. Additionally, new code development can run on multiple operating systems with a single code base, applications developed for multiple operating systems can be consolidated to a single operating system, and MapuSoft is the only company that can provide OS Simulators for most of the popular embedded operating systems. We also provide Application and Platform Profilers that collect and graphically display performance data. Our development platform, Application Common Operating Environment (AppCOE), integrates all of MapuSoft's solutions in one host environment for easy porting, abstraction, simulation, testing and code conversion.

WHAT PROBLEMS ARE SOLVED FOR THE MILITARY/AEROSPACE SECTOR?

- Automated migration of large number of legacy systems to newer computer/OS platforms.
- Code is protected and not tied to a specific platform to allow products to have a longer lifecycle.
- MapuSoft's fully automated software conversion tool will convert Ada code to C/C++ .
- Long development and testing cycles results in opportunity for using MapuSoft's simulation tools for host based testing and system integration.
- A slip in the development schedule is very expensive for Mil/Aero contractors because of the large number of people assigned to each contract. MapuSoft's proven software re-use tools shortens the schedule and eliminates the risk associated with system migration.
- Developing and testing on target platforms is expensive and causes Testing departments to wait for end-item hardware. MapuSoft's simulation tools solve this problem.

WHO ARE OUR MILITARY/AEROSPACE CUSTOMERS?

While we have customers in all major marketing sectors, a large number of our design wins comes from Mil-Aero. Some of the large U.S. defense contractors (such as Boeing, Northrop Grumman, L3 Communications, Raytheon, GE and Lockheed Martin) have used many of our products.

HOW MANY TARGET OPERATING SYSTEMS DO WE SUPPORT?

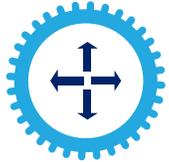
Android	LynxOS-178	NetBSD	Solaris	VxWorks
eCOS	LynxOS-SE	Nucleus	ThreadX	Windows
Linux	µITRON	QNXNeutrino RTOS	µC/OS III	FreeRTOS
LynxOS	Freescale MQX	RT Linux	Unix	In-house

WHAT ARE OUR PRODUCTS AND WHAT DO THEY DO?



OS Changer Porting Kit -

Re-use your C/C++ software developed for VxWorks, Linux/POSIX, Windows, micro-ITRON, μ C/OS, FreeRTOS, ThreadX, Nucleus and pSOS on another OS



Cross-OS Development Platform -

Develop C/C++ software using one or multiple OS Interface options and run the same code base on multiple operating systems



Cross-OS Hypervisor

Provides virtualization interfaces for VxWorks, Linux/POSIX, Windows, micro-ITRON, μ C/OS, FreeRTOS, ThreadX, Nucleus and pSOS applications, enabling them to run on various target platforms



OS Version UpKit

Easily upgrade Linux and POSIX applications to a newer version of the OS



Linux Optimization Kit -

Provides kernel and application specific optimization features all aimed at increasing CPU performance, speeding up boot-time and reducing memory footprint for Linux applications



OS Simulator -

- Develop and test embedded applications on Windows or Linux host environments without the need for the original OS or expensive target hardware
- Develop and test embedded applications without purchasing OS on free and open-source Linux and FreeRTOS target platforms



Ada-C/C++ Changer

- Automatically convert Ada code to C/C++
- Compile Ada code using C/C++ tools and support target platforms not supported by Ada

US Sales Contact: Brad Bevins • Email: brad.bevins@mapusoft.com • Tel: 251 665-0280

India Sales Contact: Chandrakumar • Email: chandra.kumar@mapusoft.com • Mob: 9940636800

For further information, please check our website at www.mapusoft.com