

MAPUSOFT'S SOLUTION FOR THE MILITARY/AEROSPACE INDUSTRY

WITH MAPUSOFT YOU CAN:

- > Recycle your code to protect your software investment
- > Re-use your knowledge-base by using a standard API
- > Reduce your testing & certification effort when changing OS
- > Add robustness, real-time & safety critical features to your OS
- > Add real portability & performance to your POSIX application

Problem: Fundamental system engineering decisions are made without full participation of software engineering

MapuSoft's Solution:

- > OS Abtractor uses a standard OS interface for development
 - Reduces resistance by using one set of simple & intuitive APIs across multiple operating systems
 - Re-use code across multiple OS platforms to reduce maintenance

Problem: The quantity and quality of software engineering expertise is insufficient to meet the demands of government and the defense industry

MapuSoft's Solution:

- > OS Abtractor provides an intuitive, flexible & standard OS interface for development
 - Reduces learning curve associated with adopting a new OS
 - Code reuse is a strategic asset for development teams

Problem: Traditional software verification techniques are costly and ineffective for dealing with the scale and complexity of modern systems

MapuSoft's Solution:

- > OS PAL provides a host environment to simulate the target for easier development and testing
- > OS Abtractor enables one set of code base to run multiple environments for testing and simulation

Problem: Inadequate attention is given to total lifecycle issues for COTS/NDI impacts on lifecycle cost and risk

MapuSoft's Solution:

- > OS Abtractor extends the lifecycle
 - Product can adapt to next generation platforms without performing a re-write
 - Unified architecture means one set of code runs on multiple systems
 - Less effort for system assurance
 - Code maintenance is reduced
 - One set of code base for all OS platforms



MAPUSOFT'S MILITARY/AEROSPACE CUSTOMERS

- > The Boeing Company, Integrated Defense Systems (IDS), Future Combat Systems (FCS) Program

[CLICK HERE TO VIEW PRESS RELEASE](#)

- > Lockheed Martin
- > Raytheon
- > BAE Systems
- > Walter Reed Army Institute of Research
- > ITT A/CD

MapuSoft Technologies, Inc.
1-877-MAPUSOFT (1-877-627-8763)
www.mapusoft.com

MAPUSOFT'S SOLUTION FOR THE MILITARY/AEROSPACE INDUSTRY

Problem: There is a failure to assure correct, predictable, safe, secure execution of complex software in distributed environments

MapuSoft's Solution:

- > OS Abtractor provides a safety critical task pooling feature
 - Creating a task or thread at run time consumes resources and can cause failures
 - Task Pooling enhances performance and reliability
 - Allows applications to create OS Abtractor tasks during INIT
 - Can re-use task envelope repeatedly
- > OS Abtractor provides safety critical dynamic application configuration and restart features
 - Resources such as tasks, queues, etc. are created from a specific memory pool belonging to each application
 - Can shut down and restart without exiting in case of failure
- > OS Abtractor provides a safety critical process feature
 - Enables modular application development by allowing complex applications to be broken down into independent modules to reduce complexity and add protection
 - Each independent module can selectively share or prevent access to their system resources
 - This also allows for faster development of complex applications and easier code maintenance

Problem: Failure to capitalize on common methods and instruction among initiatives

MapuSoft's Solution:

- > OS Abtractor provides a common, standardized OS interface for development on multiple systems
- > OS Changer provides maximization of usage of legacy code

Problem: Need commercial sector to share ownership and build assured products

MapuSoft's Solution:

- > MapuSoft offers COTS assured products for software re-use



 **ABTRACTOR**[®]
Write Portable Code, Protect
Your Investment

 **CHANGER**[®]
Keep Your Code, Change
Your OS

 **PAL**[™]
Eclipse-based Code Migration
and Optimization Tool

FREE Trial Software
Go to
[www.mapusoft.com/
downloads](http://www.mapusoft.com/downloads)

MILITARY CUSTOMER SPOTLIGHT:

Boeing Expands its Implementation of MapuSoft's OS Abtractor for the U.S. Army's Future Combat Systems (FCS) Program

[CLICK HERE TO VIEW FULL STORY.](#)

MapuSoft Technologies, Inc.
1301 Azalea Road, Mobile, AL 36693
Tel: 251-665-0280, Fax: 251-665-0288
Toll Free: 1-877-MAPUSOFT (1-877-627-8763)
Email: info@mapusoft.com
www.mapusoft.com

©2008 MapuSoft Technologies, Inc. All Rights Reserved.
Material content is subject to change. OS Changer, OS Abtractor, OS PAL and MapuSoft are registered trademarks of MapuSoft Technologies, Inc. All other brands or product names are the property of their respective holders.