

To: Proteus Engineering Software Users

26 August 2009

Alion Science and Technology, a technology solutions company, and leader in providing naval architecture and marine engineering support services to the US Government, commercial and international clients has recently completed the merger of its JJMA Engineering Group and Engineering and Technology Center Group to form Alion's Design, Engineering and Technology Group. As part of this merger Alion performed a comprehensive review of the Proteus Engineering Software sales business to determine whether or not to continue to develop, maintain, and support sales of **RhinoMarine**, **FastShip** and **VisualSMP**.

Regrettably, the review team has concluded that **RhinoMarine** is no longer a tool that fits into Alion's future business plans. As such we have suspended all future sales and, as of 1 September 2009, will no longer provide maintenance and support services. However, to ensure that our valued RhinoMarine users continue to get the services you need, DRS Defense Solutions Advanced Technology Center (ATC), developers of Orca3D ([www.orca3d.com](http://www.orca3d.com)), will be available to provide on-going RhinoMarine technical support for existing users through the end of 2010. While DRS will not have access to or responsibility for Alion's RhinoMarine source code to make any changes, the DRS team of naval architects and software engineers should be able to provide the same technical support services you've come to expect. Should you have a problem with your RhinoMarine license, they will also have the ability to generate replacement Site Keys. To contact the ATC for support or a replacement Site Key, simply send an email to [rhinomarine@orca3d.com](mailto:rhinomarine@orca3d.com). Also, for your continuing marine design needs, RhinoMarine users may want to consider transitioning to the Orca3D plug-in. The ATC is currently offering RhinoMarine users discounted prices on purchases of Orca3D. Please see <http://www.orca3d.com/rm/rmtransition.htm> for complete details.

For **FastShip** and **VisualSMP** users, Alion will continue to develop, maintain and support these tools for both navy and commercial applications. Over the coming months Alion will be announcing new software releases, providing improved technical support and training opportunities. Enhancements we're currently working on include the following:

**FastShip** - Near-term enhancements include VISTA compatibility, the ability to read/write Rhino 4 models in and out of **FastShip**, improved tutorials for many commonly used features, and improved Help files. Longer term improvements include modification of the hydrostatics calculations to permit the user to select the default values, add a computation of draft at the section of maximum area and use that as the reference draft for coefficients in lieu of using the maximum draft, and adding a LEAPS interface to enable input/output files from/to a common LEAPS database.

**VisualSMP** - Major improvements are planned for release in 2010 including addition of new capabilities to calculate Motion Sickness Incidence (MSI) and Motion Induced Interruption (MII). Slamming pressure, sectional slamming forces, slams per hour and longitudinal and lateral force estimator calculations will be re-examined and improved. A new feature permitting calculation of cargo tie-down forces will be added along with calculation of wave elevation time history for both long-crested and short crested seas. This latter feature will enhance post processing and enable



calculation of the motion time history of any point relative to the wave surface, for example. A new visualizer will generate high quality, realistic ocean waves and provide the capability to show multiple ships moving in the same wave train and thus provide vivid visual comparison of the motion characteristics of alternative ships. Additionally, a new Pressure Transfer Function Module is planned to enable calculation of the total plate pressure derived from F-R, radiation and diffraction velocity potentials. This module will enable the dynamic loading analysis and fatigue analysis required by some classification societies. The output would include pressure transfer functions in a format that is easily imported into FEM programs such as MAESTRO and NASTRAN.

In addition, Alion will be rolling out our 2010 pricing schedule. As always our goal will be to continue to make these tools available at competitive prices that will permit us to continue providing the periodic upgrades, enhancements and improved technical support that you have come to expect.

We look forward to continuing our relationship and providing the highest quality ship design software tools with technical support and expertise that you can depend on in developing your designs and meeting your own customers' needs. Please feel free to contact Msrs. Russell Krull at (703) 933-6812 or Jonathan Ross at 410-919-1909 if you have any questions.

Sincerely,  
**Alion Science and Technology**

John P. Hollingsworth  
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