

# Bentley Extends SAC's Leadership With Acquisition Of MOSES

Bentley Systems

EXTON, Pa., U.S.A. – Oct. 3, 2013 – Bentley Systems, Incorporated, a leading company dedicated to providing comprehensive software solutions for *sustaining infrastructure*, today announced that it has acquired the *MOSES* software business from Ultramarine, Inc. Used around the world, *MOSES* is the premier analysis and simulation software for complex projects involving the transportation and installation of offshore structures, including the launch of jackets and floatover of topsides.

Featuring functionality covering the full range of stability, motions, and mooring of single or multiple floating bodies, *MOSES* has become the mainstay for professional engineers to reliably meet stringent offshore code requirements, reduce project risks, and increase safety. With this newest addition to its portfolio, Bentley further strengthens its leadership in the accelerating offshore energy industry following its acquisition in March 2011 of *SACS*, flagship software for the structural design of fixed offshore structures. The integration of *MOSES* and *SACS* enables unprecedented comprehensiveness in offshore engineering, in particular for the analysis and design of floating production, storage, and offloading (FPSO) structures.

David Hollister, Bentley CFO, said, “Bentley’s acquisition and mainstreaming of *SACS* advanced the breadth of capabilities available for the design of offshore infrastructure – for instance, now including wind farms. *SACS*’ wider adoption and rapid development since becoming a Bentley offering underscores our commitment to the offshore industry. The addition of the *FormSys* naval architecture technology to *SACS* in November 2011 expanded its reach to address FPSO units and other floating systems. The acquisition of *MOSES* now extends our software’s capabilities to include the most complex analyses of all types of offshore installation projects. We will be working closely with Ray Nachlinger, creator of *MOSES* and CEO of Ultramarine, Inc., as we integrate *SACS* and *MOSES* to deliver unrivalled FPSO design tools.”

Nachlinger said, “We at Ultramarine are very pleased that *MOSES* has a new home at Bentley Systems, and I view my new consulting role as an opportunity to accelerate what software can contribute to the creation and deployment of more varied and resilient offshore structures. We’ve seen how Bentley quickly provided the users of *SACS* with greater value, and this makes us all the more confident that

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the Bentley team will do the same for the users of *MOSES*.”

Phil Christensen, Bentley vice president, offshore, said, “Our next step is to leverage the Bentley technology platform to enhance *MOSES*’ modeling and graphical visualization capabilities, as well as its ease of use. This will improve the user experience and extend the application of *MOSES* for more interactive design decisions. In addition, full integration between *SACS* and *MOSES* will allow a cohesive model to be used for all structural and naval architectural analyses.”

### **SACS Going Forward**

*SACS* continues to be the analysis mainstay for the world’s offshore engineers. With 70 percent of the Earth under water, better-engineered, safer offshore structures will play an ever greater role in sustaining the world’s economies and environment. Accordingly, *SACS* is being applied to enable ever-more complex marine endeavors.

For example, in the Tokyo International Airport re-expansion project – a 2012 *Be Inspired* Award winner for Innovation in Offshore Engineering – Nippon Steel & Sumikin Engineering Co., Ltd., used *SACS* to conduct fatigue analysis on the 1,100-meter-long steel jacket structure for this runway that extends into the sea. Recently, *SACS* was instrumental in unique work being done to salvage the *Costa Concordia* from the marine sanctuary off the Italian island of Giglio, where it capsized last year. In this 2013 *Be Inspired* Awards finalist project, *TECON S.r.l.* used *SACS* to design underwater platforms and other auxiliary structures that helped the ship to be righted intact – an unprecedented process that minimized environmental impact.

The integration of *MOSES* will enable Bentley Systems to continue to empower offshore engineers to think bigger, and implement safely.

For additional information about Bentley’s new *MOSES* software, visit <http://bentley.ultramarine.com/index.htm> [1]. For additional information about *SACS*, click [here](#) [2].

### **About Bentley Systems, Incorporated**

*Bentley is the global leader dedicated to providing architects, engineers, geospatial professionals, constructors, and owner-operators with comprehensive software solutions for sustaining infrastructure. Bentley Systems applies information mobility to improve asset performance by leveraging information modeling through integrated projects for intelligent infrastructure. Its solutions encompass the MicroStation platform for infrastructure design and modeling, the ProjectWise platform for infrastructure project team collaboration and work*

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*sharing, and the AssetWise platform for infrastructure asset operations – all supporting a broad portfolio of interoperable applications and complemented by worldwide professional services. Founded in 1984, Bentley has more than 3,000 colleagues in 50 countries, more than \$500 million in annual revenues, and since 2005 has invested more than \$1 billion in research, development, and acquisitions.*

*Additional information about Bentley is available at [www.bentley.com](http://www.bentley.com) [3] and in [Bentley's annual report](#) [4]. For Bentley news as it happens, subscribe to an [RSS feed](#) [5] of Bentley press releases and news alerts. To view a searchable collection of innovative infrastructure projects from the annual Be Inspired Awards, access Bentley's [Year in Infrastructure](#) [6] publications. To access a professional networking site that enables members of the infrastructure community to connect, communicate, and learn from each other, visit [Be Communities](#) [7].*

*To download the Bentley Infrastructure 500 Top Owners ranking, a unique global compendium of the top public- and private-sector owners of infrastructure based on the value of their cumulative infrastructure investments, visit [www.bentley.com/500](http://www.bentley.com/500) [8].*

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### **Links:**

[1] <http://bentley.ultramarine.com/index.htm>

[2] <http://www.bentley.com/en-US/Products/SACS/>

[3] <http://www.bentley.com>

[4] <http://www.bentley.com/annualreport>

[5] <http://www.bentley.com/rss/news>

[6] <http://www.bentley.com/yearininfrastructure>

[7] <http://communities.bentley.com>

[8] <http://www.bentley.com/500/>