



UNIVERSITY OF WASHINGTON

Using Aras for Architectural and Building Information

“
Having first-class facilities and technology for our people is essential to our mission and to Washington’s economic vitality.

Mark A. Emmert
President,
University of Washington

The University of Washington serves over 40,000 students, professors and administrators every year providing a rich environment for learning and life experiences.

Over 12 million square feet of facilities across three campuses offer everything from classrooms and offices to laboratories and dormitories enabling innovation and collaboration for students from around the world.

Business Benefits

- ▶ Enhanced productivity
- ▶ Simplifies manageability
- ▶ Improves access
- ▶ Ensures security
- ▶ Saves over \$100,000 a year

“Having first-class facilities and technology for our people is essential to our mission and to Washington’s economic vitality,” says Mark A. Emmert, University of Washington President.

University leadership is committed to an overall strategy of balancing the need to restore and renew aging facilities with the need to grow by providing modern facilities for world-class excellence in research and teaching.

The combination of new construction and continuing maintenance demands ready access to relevant facilities information to ensure proper management. New construction and ongoing maintenance demand on-the-fly access to campus drawings for better productivity and service. In addition, since 9/11 real time access to visual facilities information in a time of crisis is critical to save lives and ensure that first responders, such as fire fighters and police, have the information necessary to safely and effectively act. The university’s facilities management organization envisioned the ability to use an enterprise solution to manage critical facilities information in a secure manner online for better access, visibility, and control.

The wide range of different files, documents, and data required for constructed and ongoing maintenance along with configuration information for everything from

building architectural and structural drawings to heating, ventilation, air conditioning, electrical, and utilities systems running through the various campus buildings required a powerful solution capable of handling vast amounts of data and file relationships.

To solve the problem the University of Washington turned to the Aras Innovator solution, a modern Web-based service-oriented architecture (SOA) on the Microsoft platform. Aras delivered an enterprise business solution for configuration management that complemented existing systems at the university and provided a scalable, manageable, and secure platform that the institution can rely on into the future.

University of Washington was able to deploy the solution from Aras to deliver complete control over facilities information, and can access it over the Web using PCs and wireless tabloid PCs saving time and enabling better collaboration. The Aras solution provides the critical information necessary to maintain the properties and buildings across the entire campus system including William H. Gates Hall School of Law and the Mary Gates Hall. With Aras the university simplifies manageability, improves access, and ensures security.

Today, the Aras solution manages and delivers all of the facilities information, over 6 terabytes of data, necessary for success on projects such as the construction of the William H. Foege BioEngineering & Genome Sciences Building, named after the UW Medicine alumnus who for many years headed the Centers for Disease Control and helped eradicate smallpox.

By utilizing the Aras solution the University of Washington has saved over \$100,000 dollars a year in printing and labor costs for drawings and documents. Because the facilities information is stored and delivered online there is a significant long-term benefit to the environment because the need to print large color drawings is substantially reduced.

Aras delivers high availability and improves reliability for greater up-time enhancing user productivity. Better security and manageability make the total cost of ownership for University of Washington's Aras solution even more affordable and cost effective than was previously possible.

About Aras

Aras® offers the best Product Lifecycle Management (PLM) software for global businesses with complex products and processes. Advanced PLM platform technology makes Aras more scalable, flexible and resilient for the world's largest organizations, and a full set of applications provide complete functionality for companies of all sizes.

By rethinking the way PLM is designed, Aras has taken a fundamentally different approach with a focus on the Business of Engineering. Aras solutions support processes for global product development, systems engineering, multi-site manufacturing, supply chain, quality and more.

Companies running Aras include Airbus, Boeing, Bombardier, GE, Hitachi, Honda, Kawasaki, Magna, Microsoft, Motorola, Nissan, TOSHIBA, Xerox, the US Army and hundreds of others worldwide.



300 Brickstone Square
Andover, MA 01810
USA
[978] 691-8900 Phone
[978] 794-9826 Fax
info@aras.com
www.aras.com

© 2015 Aras Corporation. All rights reserved. This case study is for informational purposes only. Aras and Aras Innovator are either registered trademarks or trademarks of Aras Corporation in the United States and/or other countries. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.