



## ALN BIMStorm: A Back Story

February 28, 2023

ONUMA, Inc. is a Platinum Member of the Asset Leadership Network in 2023. Kimon Onuma, FAIA and ALN Executive Director Michael Bordenaro have worked on web-based BIMStorm workshops since 2007.

In 2023, ONUMA, Inc. and the Asset Leadership Network will continue using interactive, online workshops to increase awareness of dramatic improvements from a structured approach to asset management.

When that structured approach to asset management uses web-based visualization and information sharing – now commonly referred to as Digital Twins – the improvements to asset management are even greater.

Mr. Onuma has videos and images from many years of providing BIMStorm learning experiences through the Asset Leadership Network. Links are below. But first, a little history.



These images are different views of the same facility asset with equipment and personal property assets in them.

In the first part of the 2000s, Kimon Onuma was making web-based Building Information Models, which today might be seen as superpowered Digital Twins. He worked with his clients in a web environment and created virtual building assets with virtual furniture, fixtures, and equipment...and roads, and fleets and water systems – all assets were represented in the virtual world.

In the workshops, people learned how to communicate via the web, sharing data from multiple different software programs using secure, open standards. The virtual project would change, but the process of sharing and collaborating on the web remained the same – and improved every year as tools and processes and computer power improved.

This business process was well received. Mr. Onuma wanted let everyone know about the ways to dramatically improve outcomes by using virtual assets and web-based information sharing to increase organizational mission success.

In 2007, Mr. Onuma talked with his colleagues about the ways many people could contribute to a day-long “BIMStorm” – a global, online, brainstorm using web-based Building Information Models and more. Mr. Bordenaro was one of the people who contributed to the first BIMStorm and continued to work on them.

In 2016, Mr. Onuma and Mr. Bordenaro started to work on BIMStorm activities through the Asset Leadership Network and are pleased to be co-producing the ALN BIMStorms series of programs to show how proven tools and processes can be demonstrated as highly beneficial to

The “ALN BIMStorm – Higher Education” will be the first program in 2023.

As background for the “BIMStorm @ AssetLeadership.net – Higher Education” we have assembled some links to past presentations, videos, and other documents from past programs from the Asset Leadership Network, where ONUMA, Inc. is a Platinum Member.

ALN BIMStorms

2016 Federal Asset Management Policy Forum – Presentation PDF

<https://www.assetleadership.net/wp-content/uploads/2016/11/12-Asset-Knowledge-Enabler-Case-Study-on-Information-Management-with-BIMStorm.pdf>

In 2017, ONUMA, Inc. sponsored the ALN’s Federal Asset Management Implementation webinar series. Mr. Onuma was featured in multiple web programs about improving federal asset management.

One web program featured buildingSmart alliance thought leaders and included Kimon Onuma, who comes on the following video at minute 40:00 –  
<https://www.youtube.com/watch?v=4QR2LGWq6zl>

Mr. Onuma comes in at minute 15:00 on this video program about improving asset risk management with information management -

<https://www.youtube.com/watch?v=4QR2LGWq6zl>

In 2018, Kimon Onum and Mike Bordenaro presented together at the Voice of Blockchain conference in Chicago's Navy Pier. They noted that Blockchain requires governance systems to be in place, that ISO 55K offers a governing system for tangible and intangible assets, and that data visualizations help management of all types of assets. Materials are at this link:

<https://www.bimstorm.com/blockchain.html>

In 2019, there was a Pilot Asset Management Lab at the University of the District of Columbia. The course featured Stacey S. Tyley, SES, Director, AFRH Real Estate Development, Armed Forces Retirement Home, Washington, D.C. At the course final presentation, Ms. Tyley said, "Coupling the ISO 55000 tools and lessons, the Onuma System, other open-source applications and data, we've started to visualize and articulate what we might be able to achieve. **UDC's pilot class on asset management was our enabler.**"

Ms. Tyley's video highlight and related material from the final presentation

<https://youtu.be/ujGAAz-fBr8>

All material from the University of the District of Columbia pilot class on asset management in 2019 is available at this link: <https://www.bimstorm.com/assetlab.html>

In 2020, the ALN BIMStorm built on the many years of healthcare planning and modeling conducted by ONUMA, Inc. to hold a workshop focused on planning temporary healthcare facilities, as the need was great at the time for these types of facilities. Art Kurland, Director, Capital and Asset Management, University Health "lent" a virtual parking lot and health clinic modules filled with equipment were placed in the lot.

<https://www.bimstorm.com/swarm.html>

<https://www.assetleadership.net/asset-management-systems-approach-to-planning-hospitals/>

In 2022, the unwanted war on Ukraine had our attention, so we planned ways to show support for our friends in that war-torn country. We took the healthcare modules and "landed" them in Ukraine near hospitals that were being supported by solar microgrids that our colleagues were actually implementing.

<https://www.assetleadership.net/aln-2022-spring-summer-microgrid-bimstorm-focus-on-ukraine/>

Now, in 2023, we are moving the modules and adjusting them for the needs in Turkey and Syria to show how a structure approach to asset management that includes digital twins can improve intended outcomes in disaster relief situations when applied appropriately.

Please join us by registering at this link: <https://www.assetleadership.net/aln-bimstorm/>

See all BIMStorm content at [www.BIMStorm.com](http://www.BIMStorm.com)