

G2 Ops Engineers Share MBSE Expertise at CUSA 2026

Virginia Beach, VA, USA (11 June 2026) – In May 2026, one floor removed from the sound of whirring reels on slot machines and the chatter of a lively casino floor, some of the year’s most important conversations related to Model-Based Systems Engineering (MBSE) were taking place.

From May 18-21, G2 Ops engineers joined hundreds of digital engineering professionals in Reno, Nevada for the CATIA User Symposium Americas conference – or CUSA – for four full days of presentations, technical workshops, demonstrations, and networking sessions. Attendees represented organizations across industry, government organizations, and the Department of War, all with a special interest in digital engineering and implementation of MBSE.

The conference was well attended by roughly 600 systems engineers, product engineers, and MBSE practitioners. SysML v2 and AI implementation dominated conversations in ballrooms, vendor booths, and breakout collaboration spaces. Engineers discussed how their organizations are actively evaluating transition strategies to SysML v2 and debated where AI integrates most effectively in model generation, architecture analysis, and decision support.

With an average of about 100 presentations per day across the conference, the G2 Ops team kept a busy itinerary, attending workshops covering topics such as requirements verification, safety and reliability in digital engineering, mission engineering, and Teamwork Cloud.

Daily step count goals were met with ease as G2 Ops engineers hustled from activity to activity, reportedly tallying up over 11,000 steps per day to hear insights from their colleagues from around the country. And when the G2 Ops team wasn’t running between the scheduled sessions, some were taking the stage to share their knowledge.

Principal Systems Engineer Kylee Cope and Senior Systems Engineer Mystique Owens presented “From RMF to the Model: Enabling Cyber Ready Accreditation through MBSE” to illustrate how organizations can advance their Cyber Ready accreditation through an MBSE-driven approach that integrates cybersecurity into system architecture, improves traceability, and enables generation of accreditation evidence.

Owens said that the presentation was a success, noting that emphatic nods and “positive chirps” were consistent throughout.

“The room was filled with people that really understood the context of everything we were speaking about,” Owens noted. “And they wanted to translate it into solutions for themselves. People stayed after the presentation and even followed us back to our booth to talk more about what we do in our schema.”

The demonstration clearly resonated with attendees, as the co-presenters fielded questions and continued conversations in hallways and elevators throughout the rest of the day.

“Two people came up to talk to me after the presentation and said they were debating coming to our presentation or another one,” Cope recalled. “One of them told me that about five minutes into our brief they looked at each other said, ‘We made the right choice coming here.’”

On the final day of the conference, Systems Engineer Brandon Wells presented on the challenges of maintaining consistent functionality and architecture as systems grow more complex and shift toward virtualization and cloud environments. His presentation, “A Practical Approach to Reference Architecture for Evolving Systems,” showcased how a reusable “template” – or reference architecture – can support navigation, consistency, and controlled evolution over time.

Though faced with less time for post-presentation conversations, Wells said his time slot helped give him a better understanding of how his talk would be received.

“It was a good thing my presentation was on the last day because I got to see what the general level of understanding in the rooms was. The more I saw, the more I realized there are people here who would benefit from seeing something like the content I have. It seemed like there were some people attending



who had a more basic level of understanding, but there were also many others who were clearly very experienced, and even they seemed to get something out of [the presentation].”

After long days of demonstrations, workshops, and lectures, the team made the most of being the Biggest Little City in the World. Engineers unwound by swapping lessons learned over bowling, golfing, darts, and family-style dinners.

Team reflections provided an opportunity to discuss the state of MBSE adoption and implementation. As MBSE continues to gain traction in both industry and defense, one takeaway grows increasingly clear: G2 Ops is on the leading edge.

“I’ve only been here for a year, but ever since I started, I’ve been hearing everyone say that we are an industry leader [in MBSE]. And I believed them because of the great work we’re doing, even though I didn’t have anything tangible to compare it to,” Wells said. “Being at the conference, though, really reinforced the fact that I’m working at a company where we are an industry leader. I feel like that’s just a buzzword that some companies use, but for G2 Ops it’s true.”

G2 Ops leverages over a decade of experience integrating Systems, Cybersecurity, and Software Engineering techniques to provide solutions to a growing list of Government and private customers. We combine cutting edge tools with innovative engineering practices, data analytics, and risk algorithms that enhance visibility into complex infrastructures, optimizing resiliency in system design and operations.

G2 Ops is a woman-owned small business led by an executive staff known for providing innovative solutions to solve our nation’s most complex engineering challenges. G2 Ops has been named to the Inc. 5000 list of America’s fastest growing companies each of the last 8 years (2018-2025) and has locations in Arlington, VA, Virginia Beach, VA, and San Diego, CA.