



BUILDING TECH COMMUNITIES

By you / For you / About you





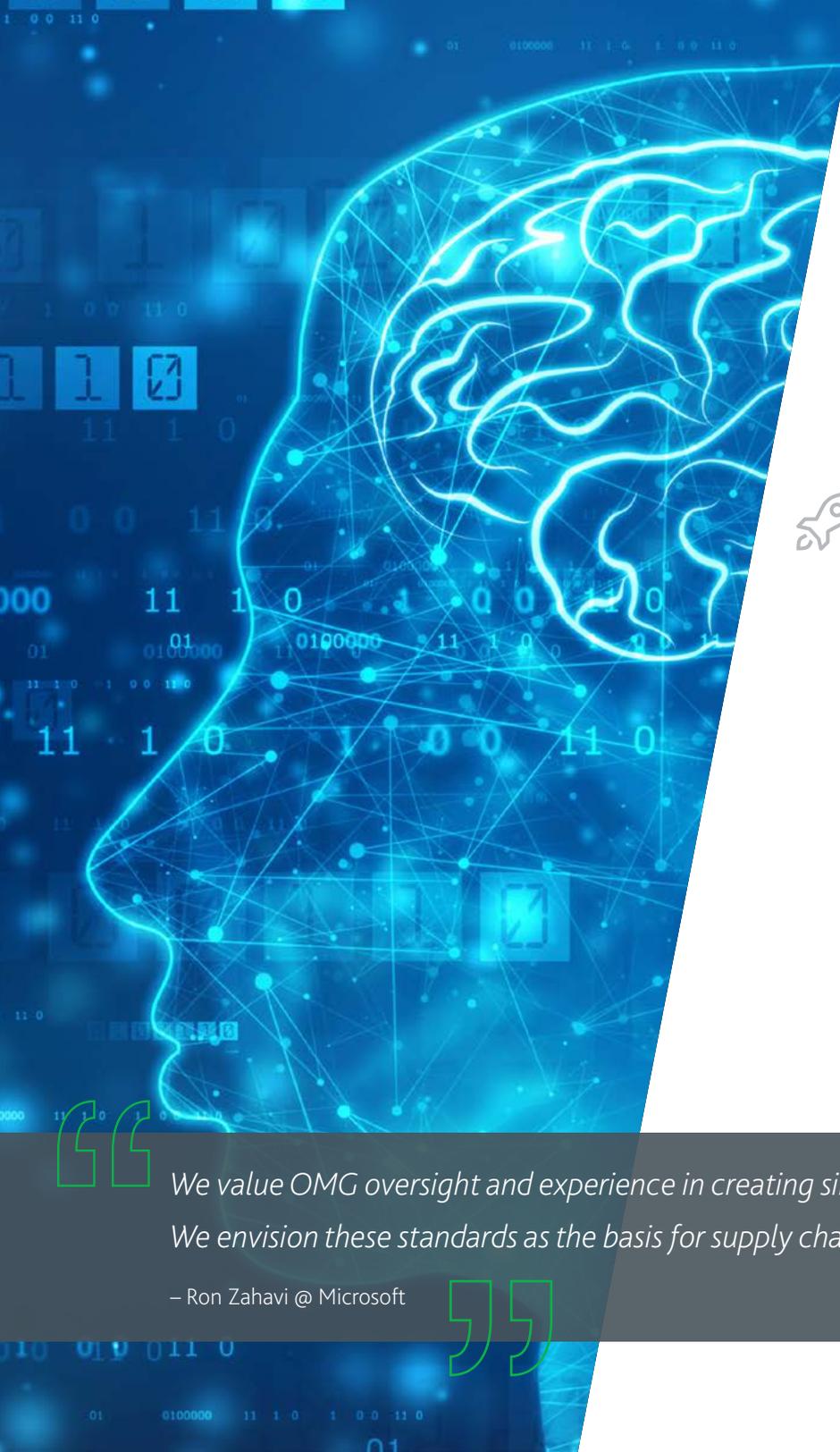
WELCOME

“

OMG communities have been leading technological advancements since our inception. Beyond our work in technology standards development, OMG consortia are delivering standards that ensure software quality, best practices for clinical pathways for healthcare organizations, and digital transformation across industries. We are furthering the adoption of critical technologies such as augmented reality and digital twins. And we are even working to help IT organizations contribute to our planet's sustainability goals. We are ready to tackle new industry challenges, working hand in hand with our members.

”

William R. Hoffman, CEO & Chairman of the Board, OMG



OMG[®] was founded to create technology standards.

Standards drive innovation and industry. Industry drives our economy and world.



OMG's mission is to develop standards that provide real-world value for thousands of vertical industries. We bring together an international community of end-users, vendors, government agencies, universities, and research institutions. They collaborate to build and revise these standards as technologies change throughout the years.

Over the years, we perfected a time-tested formula in which problems are identified and solutions are solicited, debated, revised and opened for comments. The process is repeated until the most technically and commercially sound ideas are ready to be integrated into products and systems.



In parallel, the parent OMG organization now focuses its efforts on building new consortia. We have a time-tested organizational development, level-playing-field governance model, and access to the expertise of a pantheon of who's who in the technology realm.

OMG's standards work is continued today by the OMG[®] Standards Development Organization (SDO). SDO maintains and owns the standards for the benefit of industry, thanks in large part, to the passion of individual SDO members and the organizations that sponsor them.

We value OMG oversight and experience in creating simple, flexible, and extensible data model standards. We envision these standards as the basis for supply chain data exchange across globally distributed networks in the future.

– Ron Zahavi @ Microsoft



Land. Sea. And 254 miles above.

Our consortia have standards everywhere.

Standards developed under the OMG umbrella are pervasive and used across many industries and diverse applications. The communication protocols for the International Space Station, the receipt function in your grocer's point-of-sale terminal. This is the real excitement of OMG, where the work gets done and the breakthroughs happen.

We develop enterprise integration standards for a wide range of technologies and an even wider range of industries. OMG's modeling standards, including the Unified Modeling Language® (UML®) and Model Driven Architecture® (MDA®), enable powerful visual design, execution and maintenance of software and other processes.

At OMG, specification adoption is the starting point rather than the end of the process. Our "No Shelfware" policy bars all proposed specs that do not have an implementation plan from being adopted by OMG. This guarantees that all OMG specs are immediately useable. Many OMG specs have also been adopted in their entirety as ISO standards.



OMG membership has enabled us to establish leadership positions in creating specifications in different domains, including but not limited to, data ontologies, cloud, IoT, banking, artificial intelligence, cybersecurity, retail, regulations, and higher education.

– Sumeet Malhotra @ Tata Consulting Services





Big, small and startup companies are here.

**Discussing common interests.
Solving common problems.**

We build communities—some call them ecosystems, some call them sandboxes. Many consider our consortia to be innovative think tanks with the most accommodating open swim rules anywhere. Our founding members are a roster of tech icons: Hewlett-Packard, American Airlines, Canon, to name but a few.

Today, four out of five OMG members are from small companies. They include hundreds of organizations including software end-users in vertical markets – from healthcare to automotive and insurance – and virtually every large organization in the technology industry. OMG’s “one organization/one vote” policy ensures that every member’s voice is heard.

Significantly, our consortia don’t just focus on the specification itself. Our focus is on delivering an entire product that benefits the market: seminars, workshops, certification, white papers, books and more.

Where's technology going? You decide.

OMG consortia are specialized, technical, and focused.

For our OMG consortia, we guide day-to-day operations and provide clear governance that addresses anti-trust regulations and intellectual property protection. For the OMG Standards Development Organization, we are responsible for the operation of specification development, operational practices, certification programs, and training deployment.

Here's what diligent work, innovation, and intelligence are delivering today:



Established 1989

A forum where vendors and end users across industries work together to generate specifications and standards that drive the adoption of innovative technologies.



Established 2010

Develops standards to automate software quality measurement and promote secure, reliable, and trustworthy software.



Established 2014

Delivers transformative business value to industry, organizations, and society by accelerating adoption of a trustworthy Internet of Things.



Established 2014

Dedicated to helping accelerate the adoption of Enterprise Augmented Reality by supporting the growth of a comprehensive ecosystem.



Established 2019

Applies Business Process Modeling standards to clinical care guidelines, clinical pathways, and healthcare knowledge to make it easier to author, share, and implement evidence-based medicine.



Established 2020

Drives the awareness, adoption, interoperability, and development of digital twin technology through collaborative partnerships with industry, academia, and government.



Established 2022

Ensures that your IT organization is a responsible contributor and advocate for the planet's sustainable development goals.



Membership in the OMG provides a number of substantial benefits. For Lockheed Martin, this goes beyond participation in the development of language and technology standards, providing opportunities for real collaboration across industry and providers that really help enable our business success and digital transformation.

– Chris Schreiber @ Lockheed Martin





www.omg.org

OMG SDO delivers real-world value for thousands of vertical industries.

The OMG® Standards Development Organization's (SDO) process has been successfully used to create and update technical specifications over 1,000 times across virtually every industry domain to produce architecture, interoperability and modeling standards that make businesses more efficient and responsive in the marketplace at reduced cost. Our members contribute expertise to expedite high-quality technical standards, providing a foundation for competitive markets which benefit both customers and vendors. In the end, customers purchase from companies able to anticipate

and drive market needs because those companies refresh their products with standards-based upgrades, which extend IT investment lifetimes.

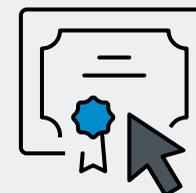
OMG SDO member benefits:

- Establish customer confidence
- Expedite solutions development and technology adoption
- Influence thought leadership and innovation awareness
- Drive market growth
- Enhance technology resources



MEMBERSHIP

29 Countries
52 Industries
241 Member Organizations
11+ Member Representatives



CERTIFICATIONS

91 Countries
13+ Certifications



SPECIFICATIONS/STANDARDS

13 ISO Adopted Standards
253 Specifications/Standards



www.it-cisq.org

CISQ provides open-source, freely available standards that measure software risk.

The Consortium for Information & Software Quality™ (CISQ™) was co-founded by OMG and the Software Engineering Institute at Carnegie Mellon University. The organization collaborates with the world's top software engineering experts to create standards for automating the measurement of software size and structural quality from the source code. CISQ standards enable organizations developing or acquiring software-intensive systems to measure the operational risk software poses to the business and estimate the cost of ownership.

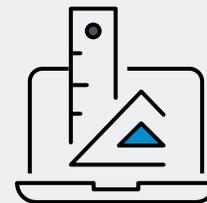
CISQ's goals are to:

- Develop standards that automate software quality measurement
- Promote and sustain secure, reliable, and trustworthy software
- Share insight to software standards development
- Create cross-industry software quality weaknesses and definitions
- Educate, evolve, and refine software standard deployment and adoption



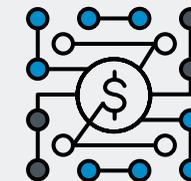
ISO 5055

Measures the internal, structural quality of software



AUTOMATED FUNCTION POINTS

Estimates the size of a software application or component



TECHNICAL DEBT

Estimates the effort to correct software weaknesses



www.iiconsortium.org

The IIC accelerates adoption of a trustworthy Internet of Things.

From its inception, the Industry IoT Consortium® (IIC®) has been driven by our mission to accelerate the adoption of the Industrial IoT. We're focused on driving technology innovation that fosters business development. Our goal is to ensure our members get the best return on their IoT investment. We achieve this through a combination of cutting-edge frameworks and testbeds that enable technologies and business models in new ways. This helps organizations identify best technology practices, build credible brands, and transform their businesses

IIC programs help members:

- Drive innovative solutions that digitally transform businesses
- Influence requirements, adoption, and direction of the industrial IoT
- Provide best-practice frameworks
- Establish liaisons with Standards Development Organizations.
- Collaborate with globally recognized IoT influencers and experts

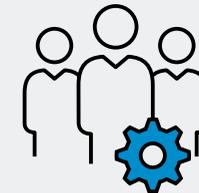
\$106B

**PROJECTED INDUSTRIAL
IOT MARKET SIZE**
by 2026*



THOUGHT LEADERSHIP

110 Journal of Innovation articles
(appearing in 18 Jol editions)
54 Industries
126 Working Groups and Task Groups



IOT INITIATIVES

26 Test Beds
21 Test Drives
76 Cross-Industry Use Cases

*Source: researchandmarkets.com



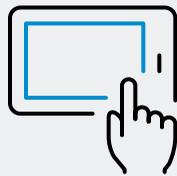
www.thearea.org

The AREA helps enterprises achieve greater operational efficiency.

The Augmented Reality for Enterprise Alliance™ (AREA™) ecosystem comprises cross-industry players that work together to deliver on the promise of enterprise AR. These include enterprises (the users of AR technology), AR solutions providers, academic institutions, and industry groups. This collaboration drives widespread adoption of interoperable AR-assisted enterprise systems. The AREA provides factual, neutral, and relevant information about the tools available, application possibilities, methods of implementation, and return on investment.

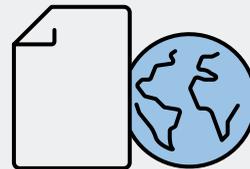
AREA helps members:

- Accelerate AR adoption through a comprehensive ecosystem.
- Produce high-quality content that fosters a fruitful dialogue around AR.
- Help enterprises maximize their investment in AR
- Provide up-to-date resources and neutral, reliable guidance
- Clear a path to interoperable AR-enabled enterprise systems



AR INDUSTRY SHOWCASES

- Remote Assistance and Navigation
- Simulation and Situational Awareness
- Visualization and Virtual User Interface
- Assembly, Maintenance, and Inspection
- Collaboration, Guidance, and Training



228 Thought Leadership Articles

- 9 Member Research Projects
- 4 Global Workshops
- 2 Infographics



AR ROI CALCULATOR

An easy-to-use online tool that helps organizations:

- Understand the value of Enterprise AR use cases
- Provide data to support investment decisions
- Benefit from a broader view of aggregated data



www.bpm-plus.org

BPM+ Health improves the quality and consistency of healthcare delivery.

The BPM+ Health™ community of practice improves healthcare by applying business process modeling standards to clinical best practices, care pathways, and workflows directly at the point of care. By documenting their care pathways and workflows using open, standards-based notations, practitioners can discover and share care pathways and workflows accurately and consistently. Through our collaboration with professional organizations, academia, clinical societies, and healthcare providers, we develop and pilot standards-driven healthcare process automation techniques.

BPM+ Health community goals:

- Develop best practices around clinical pathways and guidelines
- Promote adoption of standards to maximize their usefulness
- Cultivate a knowledge ecosystem devoted to improving health
- Improve best-practice precision and compliance for better implementations
- Collaborate with other standards organizations in healthcare



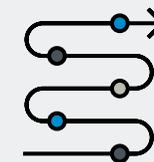
FIELD GUIDE TO SHAREABLE CLINICAL PATHWAYS

The Field Guide leverages standard-based methods from OMG, HL7, and HSPC to represent and share the clinical knowledge.



BPM+ ADOPTION GUIDE & PLAYBOOK

The Playbook provides guidance and tools to assist organizations with the adoption of shareable clinical pathways.



READINESS ASSESSMENT MATURITY MODEL (RAMM)

The RAMM was created to help organizations keep up with healthcare industry best practices.



www.digitaltwinconsortium.org

Digital Twin Consortium is focused on propelling innovation in the digital twin market.

Digital Twin Consortium® drives the awareness, adoption, interoperability, and development of digital twin technology. Through a collaborative partnership with industry, academia, and government expertise, the consortium is dedicated to the overall development of digital twins. We accelerate the market by propelling innovation and guiding outcomes for technology end-users. Our members are committed to using digital twins throughout their global operations and supply chains. The consortium is open to any business, organization, or entity with an interest in digital twins.

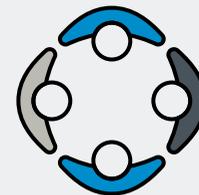
The consortium is working to:

- Build and establish an extensive multi-faceted ecosystem
- Identify and fill gaps in technology development
- Drive interoperability through frameworks and open-source code
- Develop and advocate consistent best-practice methodologies
- Work to influence policy and standards requirement

\$115B

PROJECTED DIGITAL TWIN
MARKET SIZE

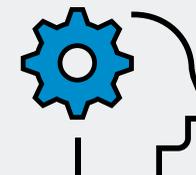
by 2035*



OUR CONSORTIUM

225+ Member Organizations

36 Countries Represented



INNOVATION HUBS

- Academia & Research • Aerospace & Defense
- FinTech, Healthcare & Life Sciences
- Infrastructure, Manufacturing • Natural Resources
- Security & Trustworthiness
- Technology, Terminology, & Taxonomy

*Source: researchandmarkets.com



www.responsiblecomputing.net

Responsible Computing™ helps tech organizations become responsible tenants of planet earth.

Addressing the most urgent challenges around the world requires vision, agility, innovation, scale, and energy. It requires technology innovators to work together to help address sustainable development goals in the key areas of infrastructure, code development, and social impact. That's why we created Responsible Computing™ (RC). Every RC member organization publicly commits to putting RC principles into action with their IT decisions. Our goal is that someday every IT professional in the world will adhere to these principles.

RC guidance helps IT organizations:

- Integrate digital transformation and environmental sustainability efforts
- Use technology to develop innovative solutions to environmental challenges
- Transform business processes into green intelligent workflows
- Infuse environmental sustainability into enterprise culture
- Become enablers and facilitators of change.



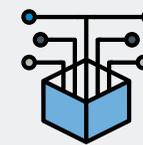
RESPONSIBLE IMPACT

Technologies and innovations that drive positive impact for society at large



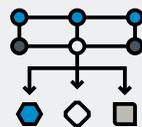
RESPONSIBLE DATA CENTER

Data centers designed and operated with an emphasis on sustainability



RESPONSIBLE INFRASTRUCTURE

Efficient use of available and future technology



RESPONSIBLE DATA USAGE

Data that is securely used in ways that drive transparency, fairness and respect for the users



RESPONSIBLE SYSTEMS

Inclusive systems that address bias and discrimination driving equality for all



RESPONSIBLE CODE

Conscious code choices that optimize environmental, social and economic impact over time

Performance & Experience: OMG Certifications Validate Both

Last year, OMG announced its 250th specification and certified 816 individuals.

While we continue to generate specifications and standards that drive the adoption and innovation of cutting-edge technology, those same 816 individuals continue to define the very fabric of innovation which drives industry worldwide.

Business Process Modeling (BPM) certification exams validate a candidate's knowledge and skills in the way BPM is used in today's complex business environment. From basic business concepts and terms to process simulation and optimization.

Systems Modeling Language (SysML) certification exams validate a candidate's knowledge and skills in SysML as applied to model-based systems engineering (MBSE). Covers the fundamental concepts and elements of all 9 SysML diagram types to metamodeling, integrating SysML and tools with other modeling languages and engineering tools.

Unified Modeling Language 2 (UML 2) exams validate an individual's ability to properly interpret and construct UML model diagrams in the way UML is used to implement real, practical and everyday systems.



"I am the only one in my workplace who is BPM 2 certified so I often help my colleagues model business processes correctly."

- Giedrius Galvydis (Business Analyst)



"...the SysML credentials have definitely opened new pathways for me..."

- James Landreth (Systems Engineer @ Naval Information Warfare Center Atlantic)



"The skills I acquired through [the UML 2] program greatly influenced how I analyze, design and implement complex software systems..."

- Ali Adnan Malik (Senior Consultant @ ALTEN)



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LEARN MORE
about the OMG
Communities