

building the foundation
& future of the IoT

annual report

2023



connectivity
standards
alliance



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Gratitude in Review

Musa Unmehopa, Board Chair Letter

As we look back on 2023, our certification capabilities soared to new heights, with over 7,000 certifications granted. Notably, among these, 301 new Zigbee Certified Products and Platforms, alongside an impressive 2,156 Matter certifications, either completed or currently under review.

Before I reflect on the achievements of 2023, I wish to express my heartfelt gratitude to each of you for your steadfast dedication to advancing the IoT landscape. Together, we have accomplished remarkable feats, showcasing the power of collective commitment toward a shared vision.

As we look back on 2023, our certification capabilities soared to new heights, with over 7,000 certifications granted. Notably, among these, 301 new Zigbee Certified Products and Platforms, alongside an impressive 2,156 Matter certifications, either completed or currently under review. Furthermore, our organization witnessed unprecedented progress across various fronts, including establishing new Working Groups such as Health and Wellness and Data Privacy, and expanding on existing ones like Product Security and Access Control, now branded as Aliro.

Since assuming our roles last year, my vice-chair Kevin Kraus and I have dedicated ourselves to fostering meaningful connections with our devoted staff, industry leaders, and esteemed Members. Collectively, we have embarked on a journey to drive our organization's growth, enhance our standards, and unite behind a joint mission to foster creativity and collaboration within the IoT ecosystem. This shared commitment to realizing our vision is pivotal in driving the progress of our standards.

Our membership, particularly at the Promoter level, has experienced significant growth. Notably, industry leaders such as Allegion, Eve by ABB, Siemens, Espressif, Fortune Brands, and Verizon have joined our ranks, further strengthening our dedication to shaping the future of the Alliance. Their involvement underscores the growing significance of our solutions in the marketplace and reaffirms our dedication to serving diverse needs and perspectives within the industry.

The Alliance's global reach continues to broaden, expanding its presence across diverse regions worldwide. Our balanced membership across these regions offers invaluable insights and perspectives spanning established markets and emerging economies. This global strategy enables us to extend our reach and deepen our understanding of unique viewpoints.

It is with profound privilege and honor to serve as your Chairman of this esteemed organization. Together, we are resolute in our commitment to advancing our organization's growth, elevating our standards, and rallying behind a shared mission to cultivate innovation and collaboration within the IoT ecosystem.

Warm regards,



The 2023 year marked another period of unprecedented growth and transformation for our community, thanks to the unwavering work and leadership of our Members.

Innovation in Action

Letter from Tobin Richardson, President and CEO

The 2023 year marked another period of unprecedented growth and transformation for our community, thanks to the unwavering work and leadership of our Members. This progress has firmly positioned the Alliance as a global leader in shaping the landscape of the Internet of Things (IoT), a responsibility our Members embrace with humility, determination, and excitement. Underscoring our dedication to advancing our family of standards, the industry witnessed the anticipated releases of Matter 1.1 and 1.2 along with the release of Zigbee PRO 2023, further demonstrating a persistent and energetic commitment to the evolution of our established technologies that transform connected experiences everywhere.

Our Members' relentless focus on IoT security was evident at every turn. Mid-year, we lent our support and considerable industry expertise to the nascent US Cybersecurity Labeling Program for consumer IoT device security, helping to educate policymakers on the possibilities of consumer IoT security. Our Members shared this expertise in Europe with the European Commission, in Singapore, and with industry leaders in Japan. I anticipate this will continue and grow in the year ahead as these programs come to fruition, and our Members' collective views help shape the future of IoT security. Our participation and speaking at the World Economic Forum's 14th Annual Meeting of the New Champions in Tianjin, China, further elevated our community's fast-growing leadership where we shared our commitment to governance efforts in building a globally connected world, improving the way the world lives, works, and plays.

We broadened our industry footprint by establishing the Health and Wellness Working Group and the Data Privacy Working Groups, both beginning to look at adjacencies to our existing standards and leveraging Matter to broaden use cases and consumer reach. The Health & Wellness Group is seeking to improve individuals' health span by fostering the connectivity of health data by creating a comprehensive ecosystem of connected health devices and digital applications, ensuring a reliable and trusted environment for consumers. The Data Privacy Working Group is aiming to harmonize global data privacy requirements and enhance transparency between manufacturers and consumers. Combined, these two new work areas underscore our steadfast dedication to fostering trust and ensuring the integrity of all IoT devices, laying the groundwork for a safer and more secure ecosystem.

As a global standard setting and trade organization devoted to a fair and inclusive IoT environment, we pledge to uphold the values that have guided us thus far. With each milestone achieved, we edge closer to our vision of an IoT that is inclusive, accessible, secure, and empowering for all. Let us unite in our commitment to innovation, collaboration, and inspire positive change in the years ahead.



About Us





Vision and Mission

Our mission is to ignite creativity and collaboration in the Internet of Things by creating, evolving, and promoting universal open standards that enable all objects to securely connect and interact. We believe these connected devices and experiences can enhance our day-to-day lives, and together we create the standards, tools, and platforms which make this possible.

CORE VALUES

Our Values Inform Our Actions



Facilitation

Guiding the IoT and our industry forward



Collaboration

Enabling unprecedented engagement within our community



Competitive Edge

Fostering an environment that helps members thrive



Concrete Action

Developing standards which improve the state of the IoT today



Influence

Helping to shape the future of the IoT around the world



Trust

Building a more responsible, ethical, secure & sustainable IoT together



Community

The core strength of the Connectivity Standards Alliance is the collective might of its Members, who provide intellectual know-how, capital, and human technical assistance that leads to the testing, certification, and the introduction of new products and services around the world. As a truly global standards and certification body, our Membership is almost evenly split across the three main regions of the world - Europe, Mid-East and Africa, China, Asia Pacific and Japan, and the Americas.

Growth & Global Reach

We finished 2023 with nearly **162** new Member companies, with a notable increase in China-based companies at **33%** and marked growth in the Asia/Pacific and Japan regions at **16%**. Our year-over-year growth remains consistent at **30%**, exhibiting an exciting momentum of things to come for 2024.

702
Member
Companies

30%
YoY (2022 vs 2023)
Member Growth

162
New Member
Companies

25% Americas
33% China
16% Asia Pacific/Japan
26% EMEA

Industry Stakeholder Groups



Retail



Silicon

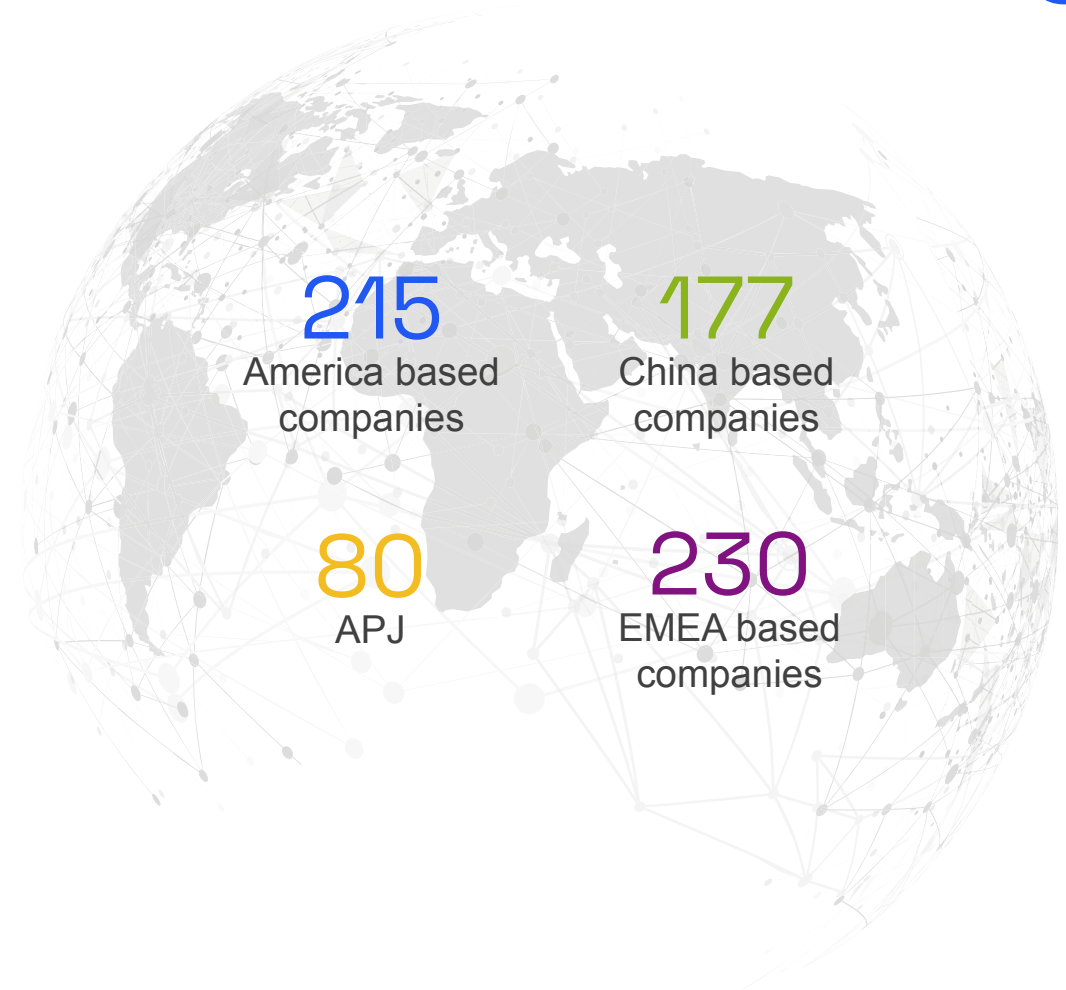


Ecosystems



Manufacturers

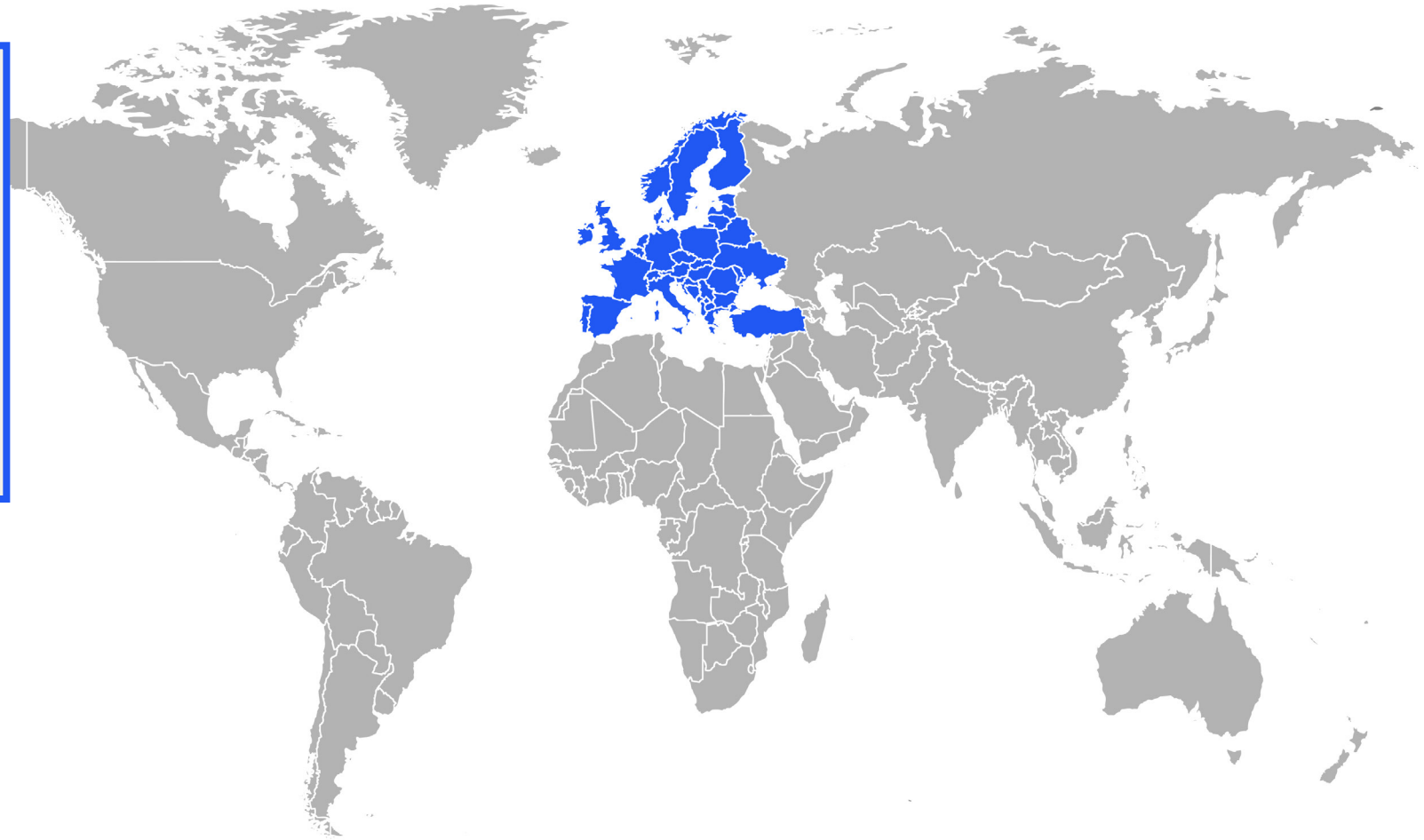
Member Company Representation by Geography



Europe Interest Group (EUIG)

Established in 2020, the EUIG connected Alliance Members who shared an interest in the European market. Alliance Members provide valuable input and perspectives to the Board and Working Groups, and monitor the unique European market requirements and regulations.

In December 2023, the EUIG was reactivated by the placement of a new chairman allowing the EUIG to resume its cadence. Interest in the EUIG remains unbroken, and the number of European Members continues to grow.





Connectivity Standards Alliance Member Group China (CMGC)

The IoT industry and CMGC experienced a surge in activity in late 2022, resulting in an impressive 50% growth in Membership throughout 2023.

CMGC activities followed a familiar pattern throughout the year, with frequent engagements such as trade shows, forums, industry presentations, and face-to-face meetings. In a significant development, the CMGC displayed a Matter interoperability demo wall, featuring ecosystems and end products. Additionally, the Guidance Document for the Matter specification was updated to accommodate Matter 1.1, hosting over 20 technical training sessions.

The CMGC made strides by seamlessly integrating its file and calendar systems with Causeway, fostering increased transparency with Members interested in regional activities.

As 2023 came to a close, the Group established three new Tiger Teams to spearhead fresh initiatives, including Matter CN Real House Experiences, the Matter CN Developer Contest, and the Matter Chinese website.

Membership as of 2023

13
Council
Members

31
Associate
Members

Outbound Marketing



2nd

Matter Developer
Conference



2

Trade
Shows



4

Forums



1

Training
Course



15

Speaking
Engagements*



4

Member F2F
Meetings



1

China
Undergraduate
IoT Sponsorship



89

Articles
Published
(WeChat Public Account)



40

Videos
Uploaded
(Bilibili)

*(Member events & industrial events)



Empowering the Connected World

In 2023, we maintained positive momentum and witnessed another year of expansion and growth. Our impact reached far and wide, touching consumers, stakeholders, and the IoT market as a whole. The Alliance achieved significant progress through robust collaborations with key organizations, including engagement with influential bodies like the World Economic Forum (WEF) and its Council for a Connected World, trade association and standards development partners, and regulatory and policymakers worldwide.

A significant portion of our efforts in 2023 concentrated on addressing the pressing challenges of security across the IoT landscape.

The WEF's Annual Meeting of the New Champions in Tianjin, China marked a first for the Alliance, participating in "Summer Davos," with over 1,500 global leaders from business, government, civil society, and international organizations. This, along

with continued presence on the Board of the Council for a Connected World, provided a platform to advocate for global open standards for the IoT through public/private engagement collaboration.

As part of our efforts to work with colleagues across the technology industry, we continued building connections with existing SDO partners and expanded our relationship footprint. In addition to ongoing collaborative work with the Wi-Fi Alliance and Thread Group on Matter, we expanded our efforts, signing new liaison agreements with the Connected Car Consortium to explore mutual areas of interest in leveraging Ultra-wideband (UWB) to enhance user experience in the IoT. We also signed an agreement with the Consumer Technology Association (CTA)[®], the

leading consumer technology industry association in the US. With many common Members, collaborating with CTA in areas like health and wellness, cybersecurity, and related positions will help amplify our Members' interests and support standards development efforts.

Finally, a significant portion of our efforts in 2023 concentrated on addressing the pressing challenges of security across the IoT landscape. Working closely with our Members, we bolstered our advocacy in key policy arenas, like the US and Europe, emphasizing the necessity for a more unified approach to security requirements and conformance on a global scale. With more than fifty countries and regions considering IoT security regulations, finding effective ways to both protect consumers and ensure compliance for manufacturers worldwide continues to be a challenge. Our aim was to bring stakeholders together to acknowledge and speak to the risks posed to both groups by the fragmentation of security regulations worldwide.

The Alliance shared Members' expert views on how regulators and policymakers might create more aligned programs using common baselines and conformance models in both public and private fora. As example, the Alliance's participation in the unveiling of the US Cybersecurity Labeling program, provided an opportunity to voice our support and active role in developing the critical need for IoT device security that works for consumers, government, and industry.

As we reflect on the achievements of 2023, it is evident that our journey towards a safer and more secure IoT is continually guided by the collaboration of thought leaders, partners, and the unwavering support of our Members. Together, we pave the way forward, shaping the future of connected technology.



Our Work





The Zigbee Working Group is responsible for developing and maintaining the Zigbee mesh network protocol and application layer for smart devices and commercial infrastructure applications. In its 20-plus years of proven market adoption and deployment, the Working Group has generated 23 revisions of the network protocol specification, along with a unifying Base Device Behavior framework. This has resulted in a secure, interoperable base on which to build robust wireless device implementations, along with one of the world's most comprehensive device description libraries, the Zigbee Cluster library.

To support the ongoing development across the Zigbee platform, the Working Group includes several Balloting Groups, inclusive of Zigbee Smart Energy, Green Power, Zigbee Direct, Base Device Behavior, and the Zigbee PRO Core groups and two sub-groups for Certification and Marketing and Product development. Each group's Members focus on various aspects and use cases for Zigbee-based standards, management, and marketing.

In 2023, the Working Group released Zigbee PRO 2023, the latest version of the Zigbee Compliant Platform, expanding on secure-by-design architecture, adding security enhancements, simplifying the user experience, and extending supported bands beyond 2.4 GHz, and introduced support for sub-gigahertz frequencies in Europe and North America. The Working Group also opened the certification program for Zigbee Direct, a new feature simplifying device onboarding and control using Bluetooth Low Energy. It achieved 1.0 status for Smart Energy 1.4a in service to the UK smart energy rollout, Green Power 1.1.2 simplified testing for Zigbee's ultra-low-power Green Power feature, and BDB 3.0.1 set the stage for the integration of Zigbee PRO 2023 features at the device level.

With another near-record year of Zigbee certifications, the market for Zigbee technology is healthy and growing. We expect this trend to accelerate through 2024, with the release of the new revisions of the specification and new feature sets. The Zigbee Working Groups will continue the development of their respective specifications to add features and advance the product roadmap.



Leslie Mulder

Zigbee Steering
Committee Chair



Member Organizations



Individual Members

Certification & Testing

Zigbee Unified Test Harness (ZUTH) and PICS Tool launched for members



Test Events



Certified Devices
(including Zigbee Compliant Platforms)



Features & Brands



Outbound Marketing



Social Posts



Blogs



The Matter Working Group is responsible for developing and delivering the new universal IP-based smart home standard, Matter. The group has taken an open and go-to-market-focused approach to the development and implementation of this new, unified connectivity protocol - creating both an open standard and an open-source implementation in the form of an SDK that accelerates growth and adoption and enables everyone building Matter products to start from the same interoperable code base.

The Matter Working Group achieved its goal of releasing two updates to the specification per year, accelerating support for new device types and enhanced features for existing device types. With many updated and new Matter devices on shelves and in homes, the Working Group continues to bring together experiences and feedback from these first implementations to improve the technology and real-world interoperability. This includes the announcement of our new Interoperability Testing Facility in Portland, Oregon.

Much was accomplished in 2023, including support for nine new device types, additional improvements, and SDK enhancements. We've also launched initiatives to make buying and selling Matter products easier. Our channel education resources have been made available to the public in collaboration with the Thread Group.

The Matter Working Group has grown to 292 Member companies. Matter itself has rapidly created new opportunities for innovation and growth, with millions of homes now ready for Matter products thanks to updates by major smart home platforms and mobile OSes. This is just the beginning as we continue to develop new features, capabilities, and device types planned for 2024.



Matt Smith

Matter Steering
Committee Chair



292

Member Organizations



4791

Individual Members

Certification

2156

Certified Devices

3

Test Events

3

Plugfests

3

SVE's

Outbound Marketing

4 Matter-focused blogs

Launched a localization effort to introduce marketing assets in Japanese



Aliro aims to set the standard for how users unlock doors and openings using their mobile phones and smart devices instead of traditional keys by enabling a consistent, secured, and streamlined experience regardless of hardware and operating system. The Aliro specification is a point-to-point protocol between mobile devices and door locks/readers that features asymmetric cryptography, credential data definition, and multiple implementation options to support a variety of use cases and architectures.

In 2023, while the technical teams worked on the first implementable draft specification, Aliro was publicly announced. The team completed several briefings in conjunction with the brand launch, sharing the group’s ambitions to increase interoperability and simplicity in developing and deploying mobile credential solutions while maintaining the security and flexibility needed for the applications. Aliro received strong, positive international coverage, with headlines focused on Member company involvement and the Alliance’s aim to grow the adoption of smart devices to unlock doors and openings.



Nelson Henry

Aliro Steering
Committee Chair



191

Member Organizations



1326

Individual Members

The Technical Team is working toward their first implementation of the draft specification.

Certification Team developing test plans and scoping test events for 2024.

Product Security

The Product Security Working Group has been working diligently since 2022 to meet the need for a global approach to IoT cyber security by creating harmonized standards to bridge the gap between disparate cybersecurity standards.

In 2023, the Working Group created an IoT Device Security Specification and accompanying Assessment Guidance based on the requirements of the three most widely adopted standards: ETSI EN 303 645, NIST IR 8425, and the Singapore Cybersecurity Labeling Scheme. After two Test Events, the Working Group moved these documents to a 0.9 Ballot in preparation for a launch in early 2024. A new Verified Mark will be present on certified products, along with a scannable QR code to obtain more information.

Alliance Members and governments have expressed strong interest in this program due to the benefits it delivers:

- Consumers can easily see which products are properly secured
- Manufacturers can efficiently gain recognition for their excellent work on security
- Regulators gain broad compliance with IoT security regulations

As the Working Group enters 2024, we are excited to launch our program and grow the number of certified products.



Steve Hanna

Product Security Steering
Committee Chair



173

Member Organizations



1049

Individual Members

Created an IoT Device Security Specification and
accompanying Assessment Guidance

Health And Wellness

The Health & Wellness Working Group launched in February 2023 to create a comprehensive ecosystem of connected health devices and digital applications to ensure a safe, reliable, and trusted environment. Composed of more than 400 individuals from over 120 companies, the Health and Wellness Working Group aims to support improved individuals' health span by enabling health data connectivity. This initiative leverages the adoption of Matter, an industry—unifying standard that promises reliable, secure connectivity, by including connected personal health devices in today's smart homes. Integrating health and wellness with smart home platforms can mitigate growing challenges as consumers age by reducing the need for expensive care facilities and offering a personalized, compassionate plan, allowing individuals to remain healthy in their homes as long as possible.

Health & Wellness Working Group will include:

- Technical Sub-Group
- Regulatory Sub-Group
- Marketing and Product Sub-Group



Aaron Goldmuntz
Health & Wellness Steering
Committee Chair



Member Organizations



Individual Members

Official launch of Health & Wellness Working Group in
February 2023

Data Privacy Working Group

The Data Privacy Working Group (DPWG) plays a pivotal role in the ongoing efforts to enhance data privacy and security in the IoT. The DPWG aims to develop a program designed to build consumer trust of IoT devices and services that align and conform with Alliance Data Privacy specifications. Through this program, the DPWG guides consumers and instills trust by strengthening the areas of transparency, best practices, and verification. As the Data Privacy Working Group enters 2024, we look forward to developing our program and building trust in the IoT as a whole.



John Britton

Data Privacy Steering
Committee Chair



123

Member Organizations



390

Individual Members

Official launch of Data Privacy Working Group in
February 2023

Certification and Testing

Seventy percent of our global Member companies spanning the entire IoT value chain are actively involved in the Connectivity Standards Alliance's certification and testing programs. The Certification and Testing team is responsible for leading Working Group Test Events (TEs) for specifications in development, supporting Specification Validation Events (SVEs), overseeing Script Validation Events (ScVEs), facilitating the certification of Members' products and platforms, and the delivery of test tools.

In 2023, the Certification Team guided the Matter Working Group through two separate specification updates, which led to SVEs and the launch of the Matter 1.1 and Matter 1.2 certification programs. In addition, the team supported the Zigbee Work Group during the successful completion of a SVE for Green Power 1.1.2 and a series of TEs leading to a couple of SVEs for the new Smart Energy specification SE 1.4a. The online PICS tool was updated specifically for these new specification updates in the Matter and Zigbee Working Groups.

Regular Plugfest sessions for Matter have also been run in all three geographic regions (US, EU, and China) to allow interop checks with real devices from other Members.

As with the previous year, Alliance Certifications have broken new records as we passed the 7000 Certified Products milestone in November 2023. This was contributed to by passing the 4000 Zigbee Certifications milestone and the 3000 Matter Certifications milestone in 2023.

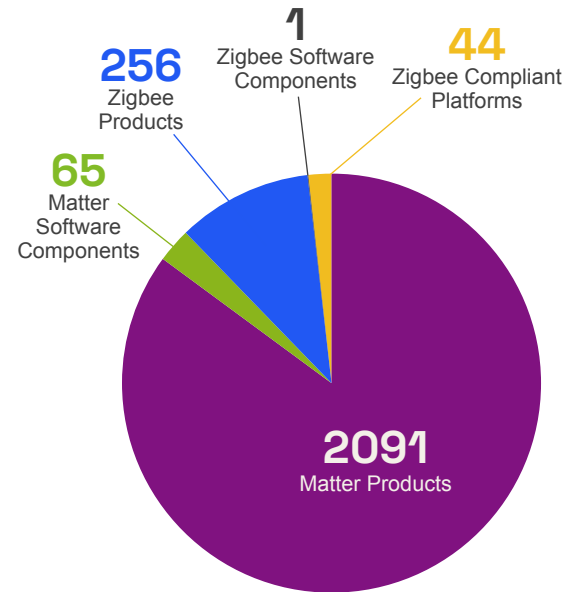
2023 Test Events

3
Zigbee

11
Matter

2
Product Security

2457 Certifications



Zigbee Unified Test Harness (ZUTH)

619
Licenses

140
Users

251
Activations

 7000+

Alliance Certified Products, Compliant Platforms, and Software Components



Marketing

Alliance marketing efforts seek to demonstrate our collective leadership in shaping the future of the IoT and to expand our global reach and influence. We focus on promoting Alliance technologies to the media and influencers, highlighting Members' successes, and enhancing the growth of available assets for world-class storytelling and thought leadership to support our Membership and drive growth in the market. Our 2023 efforts were reflected on numerous fronts, including the release of the launch of the Access Control Working Group's Aliro brand in November, and we elevated our visibility by playing a prominent role alongside several Member companies during the White House's Live Broadcast in July, advocating for the establishment of the US Cybersecurity Labeling Program. In an effort to further strengthen our marketing and media presence, we established the Speaker's Bureau to address the increased need for Alliance representation at global IoT industry events. We continued to share the progression of our standards development efforts, publicized the expansion of our Working Groups, and remained dedicated to our efforts to amplify Member news through year-long social campaigns. Our ongoing investment in public relations remained consistent with an estimated \$52M in ad value and a journalist reach of 7.5M by year's end.



Outbound Marketing & Public Relations



12

Blogs Published



1

New Branded Webpage



27

Member & Interest Communications



32

Videos
6 Chinese/Japanese,
26 English



4681

Articles



\$52M

Ad Value



Events

3

Member Meetings

7

North America

26

China

8

EU

1

Other



Social

46k+ followers on social media

in 19,798

X 14,800

11,494



Our Members





Board of Directors & Promoter Members

Our global Membership is on a mission to ignite creativity and inspire collaboration. With a common belief that all objects can work together, we champion ahead as a united front for a connected and brighter future. Together we are greater than the sum of our parts.

2023 Board of Directors and Elected Roles

Each Promoter Member appoints an Alliance Board Director, with elections held each year for Board Leadership and Board Committee roles. The 2023 Board Directors and Board Committee leaders were:

Musa Unmehopa
Chair of the Board
Signify

Tobin Richardson
Alliance President and CEO
Connectivity Standards Alliance

Bruno Vulcano
Chair Emeritus | Legrand

Kevin Kraus
Vice Chair of the Board
Fortune Brands

Jean-Michel Orsat
Treasurer | Somfy Group

Chris Daniels
Secretary | The Kroger Co

Robert Alexander
Silicon Labs

Skip Ashton
Infineon Technologies

Uffe Axelsson*
IKEA

Tim Boeth
Eve by ABB

Raymond Chung*
LEEDARSON

Lisa Corte
Assa Abloy

Cristian Cotiga*
Silicon Labs

Chris DeCenzo
Amazon

Francis Dell'ova
STMicroelectronics

Jeff Drake
Haier

Arseni Faber
Schneider Electric

Andreas Gal
Apple

Kazim Guven
Verizon

Pär Håkansson
Nordic Semiconductor

Pekka Hakkarainen
Lutron

Asad Haque
Comcast

Pete Horton*
Legrand

Jonathan Hui
Google

David Kaufman
Resideo

Ryan Kincaid
Allegion

Kevin Kraus*
Assa Abloy

Alin Lazar*
NXP Semiconductors

Ada Liu
Wulian

Bryan Mann*
Resideo

Sujata Neidig
NXP Semiconductors

Daniel Orsatti*
STMicroelectronics

John Osborne
OPPO

Kevin Po*
Google

Fred Potter*
Apple

Wesley Rhodes*
Kroger

Patrick Serrato
Midea Group

Damir Smrkovic
IKEA

Ruinan Sun*
Huawei

Mark Tekippe*
Samsung

Mark Trayer
Samsung

Henk Veldhuis
Huawei

Klaus Waechter
Siemens

James Wang
LEEDARSON

Cameron Williams*
Schneider Electric

Don Williams
LG Electronics

Alex Yang
Tuya

Betty Zhao*
Haier

Juston Zhu*
Wulian

* These directors served on the Board in 2023 before new directors were seated.

Participant Members

70mai Co., Ltd.	Bouffalo Lab	Deutsche Telekom AG	Ford Motor Company	Insta GmbH
A.O. Smith (China) Water Heater Co., Ltd.	Brilliant	Develco A/S	Freedompro S.R.L.	Intel
ACCEL LAB Ltd.	British Telecommunications Plc	Deveritec GmbH	Fresco	Intertech Services AG
Aclara	Bureau Veritas Group	Dexatek Technology	Futurehome AS	Inventronics GmbH
ADEO	CA Engineering (Card Access)	Digi International	Gardena GmbH	iRobot
ADT Security Services	Cable Television Labs	DigiCert	GEWISS S.P.A.	Itron
AduroSmart	CAME S.p.A.	Dormakaba	GM GLOBAL TECHNOLOGY OPERATIONS LLC	Ivani LLC
afero	Candy Hoover Group S.r.l (Haier Europe)	Dreamsecurity Co., Ltd.	GOLDTek Technology Co., Ltd.	Jasco Products
Airthings	Canonical	DSR Corporation	Granite River Labs	JIG-SAW US, INC
Alarm.com	Carrier Global Corporation	Dyson Technology Limited	Green Energy Options	Johnson Controls Inc.
Alfred Kärcher SE & Co KG	Center for Medical Interoperability	Eaton Industries GmbH	Grimsholm Products AB	Julius Blum GmbH
Allion Labs	Centrica Connected Home Limited (Hive by British Gas)	ecobee Technologies ULC (ecobee)	Grundfos	Kastle Systems
Alpha Tubular Motors	Chameleon Technology (UK) Ltd	Ecovacs Home Service Robotics Co., Ltd.	Guangdong A-OK Technology Grand Development Co.,Ltd. 粤ICP备	Kee Tat Manufactory Holdings
Altice Labs	Chengdu Energy Magic Cube Technology Co., Ltd.	EDF R&D	Hager Controls SAS	Keurig Dr. Pepper
Ambi Labs Limited	China Electronics Standardization Institute	EDMI Ltd.	Hangzhou BroadLink Technology Co., Ltd.	Kohler Co
Aqara Lumi United Technology Co., Ltd	Cisco Systems Inc	EGLO Leuchten GmbH	Hangzhou Ezviz Network Co., Ltd.	Korea Testing & Research Institute
Ariston	CommScope	Electronics and Telecommunications Research Institute (ETRI)	Hangzhou Huacheng Network Technology Co., Ltd.	KT Corp.
Arlo Technologies	Computime International Limited	Element Materials Technology	Hangzhou Sky Lighting Co Ltd	KTL(Korea Testing Laboratory)
ARM	Connected Kerb Ltd	ELKO EP, s.r.o.	Hangzhou Wistar Mechanical & Electric Technology Co., Ltd	Kwikset (Spectrum Brands)
AT&T	Copeland (Emerson)	Elster Group	HDC Labs	Landis+Gyr
ATLANTIC Group	Coway	Eltako GmbH	Hisense Group Co., Ltd.	Last lock Inc.
Atmosic	Crestron	Enedis	Hitachi Global Life Solutions, Inc.	Ledvance GmbH
AVM GmbH	CUJO LLC	EnOcean GmbH	Honor Device Co., Ltd	Lenovo
Axis Communications	D-Link Corporation	Eont Inc.	HooRii Technology Co., Ltd.	Level Home Inc
Becker Antriebe GmbH	Daikin	EUREVIA	HP Inc.	Leviton Manufacturing Company
Beken Corporation	Danfoss A/S	Exegin Technologies Ltd.	IMHOTEP création	LG Uplus
BELIMO Holding AG	DEKRA	FDI / YOKIS	Infibrite Inc	Liberty Global Services
Big Field Global PTE. Ltd. (TP-Link Corporation Limited)	Delta Electronics, Inc.	Feit Electric Company, Inc. (LIFX)	innovation matters iot GmbH	Logitech
BOSE	Delta-Dore	Fibocom Wireless Inc.		Longan Link Tech Co., LTD.
				MASCO

mediola	PanKore Integrated Circuit Technology Co. Ltd.	SanctiPHI Tech	Sonos	Underwriters Laboratories LLC
Memfault	Paulmann Licht GmbH	Savant (formerly GE Lighting)	Sony Corporation	Universal Electronics Inc.
Microchip Technology	Peraton Labs (Perspecta Labs)	SberDevices Ltd	TeLink Micro LLC	V-ZUG Ltd
Miele & Cie. KG	Photon Sail Technologies Pte. Ltd. (A4x)	Secure Meters (UK) Ltd	Spectrum - Charter Communications	Velux A/S
Mill International	Plejd	Sengled Co. Ltd.	Stello	Vestel Elektronik Sanayi ve Ticaret A.S.
Mitsubishi Electric Corporation	Plume Design	Sense Labs, Inc.	StrongAuth, Inc. (dba StrongKey)	Viessmann Elektronik GmbH
Mitsubishi Electric US	Primax Electronics Ltd.	Sensirion AG	Synaptics	Vimar SpA
MMB Networks	PROFALUX	Sercomm Corporation	TA Technology (Shanghai) Co., Ltd.	Vivint Smart Home
Morse Micro Pty.	PuzL Labs	SGS Group	tado°	vivo Mobile Communication Co., Ltd.
mui Lab	Qingdao Yeelink Information Technology Co Ltd (Yeelight)	Shenzhen Ai-Thinker Technology Co., Ltd	Taiwan Mobile Co., Ltd.	Vodafone Group Services Limited
Nabu Casa	Qorvo	Shenzhen Coolkit Technology Co., Ltd.	TCL Corporation	Vorwerk Elektrowerke GmbH & Co. KG
Nagravision SARL	Qualcomm Technologies Inc	Shenzhen Heiman Technology Co. Ltd.	Telecommunications Technology Association	Walmart
Nami	Quectel	Shenzhen Hope Microelectronics Co., Ltd.	Teledyne LeCroy, Inc.	WAREMA Renkhoff SE
NanChang Innotech International Co., Ltd. (Jiangxi)	Rachio	Shenzhen National Engineering Laboratory of Digital Television Co., Ltd.	TeLink Micro LLC	Whirlpool Corporation
Nanoleaf	Rafael Microelectronics	Shenzhen Phaten Technology Co., Ltd	Tesla	Wirepas Oy
Nexus SBS AB	Razer	Shenzhen Qianyan Technology Ltd. (Govee)	Texas Instruments Incorporated	WiSeKey SA
Nice North America LLC	Reliance Jio	Shenzhen SDMC Technology Co.	Thales DIS SAS (Thales Group)	Woven by Toyota (Woven Alpha)
Ningbo Dooya Mechanic & Electronic Technology Co. Ltd	Remotec Technology Ltd.	Shenzhen SEI Robotics Co., Ltd. (Seirobotics)	The State Radio_monitoring_center Testing Center	X-HEMISTRY
NIPPON TELEGRAPH AND TELEPHONE EAST CORPORATION	Renesas Electronics Corporation	Shenzhen Snowball Technology Co., Ltd	TietoEVERY	Xiaomi
Nodle (Intergalactic Labs)	Resillion (Belgium)	Shenzhen Xenon Industrial Ltd	Toshiba Corporation	Xylem Inc
NodOn	Rheem Manufacturing Company	Siegenia Aubi KG	TridentIoT	Zaptec Charger AS
Nuki	Robert Bosch GmbH	SimpliSafe	TrustAsia Technologies, Inc.	Zehnder Group
Optus	Roku	SITERWELL Electronics	TrustCB	Zemismart Technology Limited
Orange	Rollease Acmeda Pty	Smart DCC Ltd- Capita Business Services	TÜV Rheinland	Zhejiang Rexense IoT Technology Co. Ltd.
Origin Wireless	SAFEMO PTE. LTD.	SmartRent Technologies, Inc	TUV SUD	Zhuhai HiVi Technology Co., Ltd. (SWAN)
Otodo	Sagemcom Broadband SAS	Snap One (Control4)	U-tec Group Inc.	Zhuhai Ruran Intelligent Technology Co., Ltd. (meizu)
Ouraring Inc (Proxy)	Salt Point Strategies	SolarEdge Technologies Ltd.	Uascent Technology Company Limited (Shenzhen Jixian)	Zumtobel Group AG
Panasonic Holdings Corporation	Salto Systems S.L.	SOMMER Antriebs- und Funktechnik (REMSOL CONTROL SOLUTIONS SL)	Ubilogix	Zyx AB
	Samjin Co. Ltd.		ubisys technologies GmbH	

Adopter Members

1Home Solutions GmbH	Beijing Roborock Technology Co.,Ltd.	Deako	Häfele SE & Co KG	INTEREL BUILDING AUTOMATION
Accenture Global Solutions Ltd	Beijing Watchdata CO., Ltd.	Devicebook, Inc.	HALEMEIER	Intermatic Incorporated
Acer Inc	Bestechnic (Shanghai) Co., Ltd.	DISH	Hama GmbH & Co KG	ION INDUSTRIES B.V.
Acuity Brands Lighting	BHTronics	Disign Incorporated	Hangzhou Konke Information Technology Co., Ltd	IOTGIZMO Corporation
ADB SA	Big Ass Fans	Dnake (Xiamen) Intelligent Technology Co., Ltd.	HANGZHOU LIFESMART TECHNOLOGY CO., LTD.	ITIUS GmbH
Aeotec Limited	Brayden Automation	Dresden Elektronik	Hangzhou Roombanker Technology	Jabil
AIC Semiconductor (Shanghai) Co., Ltd.	Brel Home	DUCTECH Co., Ltd.	HARMAN International	JetHome
AiDot Inc.	Briloner Leuchten	Eberle Controls GmbH	HDL Automation Co. Ltd.	Jiangsu Shushi Technology Co., Ltd.
Airios	Browan Communications Inc.	EcoFlow	Heatmiser UK Ltd	KAON BROADBAND
Aixlink Ltd.	Brunswick Corporation	ELE (GROUP) Co., Ltd	Helbling Technik AG	KD Navien
Albrecht Jung GmbH & Co. KG	Burg-Wachter KG	ELIT Scandinavia ApS	Hella Sonnen- und Wetterschutztechnik	Keyfactor, Inc.
Aldes Aeraulique	Bweetech Electronics Technology (Shanghai) Co., Ltd	EME Limited (Edwin McAuley Electronics Limited)	HiSilicon Technologies	Kimin Electronics Co., Ltd.
Alfred International Inc	Calix Inc	Empowered Homes Inc. (Mysa)	HKT Limited	Konnected
Alibaba (China) Co., Ltd.	CANDY HOUSE, Inc.	EuControls	HomeWizard B.V.	KOREA INFORMATION CERTIFICATE AUTHORITY, INCORPORATED
Amina Charging	Capgemini	EVVR ApS	HOOBS Inc.	Kraken Technologies
Amlogic (shanghai) Co. Ltd.	Casambi Technologies Oy	FELL Technology	Hornbach Baumarkt AG	L&S Deutschland GmbH
APYNOV	Checkit	Fibar Group	Hosiden	LED Linear GmbH
ARC Technology Co., Ltd.	Chengdu Meross Technology Co., Ltd.	Flonidan A/S	Hubitat Inc.	Ledworks SRL
Arcadyan Technology Corporation	Climax Technology Co. Ltd.	Geberit International AG	Hugo Brennenstuhl GmbH && Co. KG	Lidl Stiftung & Co. KG
ARCELIK	CLIO	George Wilson Industries Limited	Hunter Douglas Group	Lierda Science Technology Group Co., Ltd.
Arlec Australia Pty Ltd	Cognitive Systems Corp.	GigaDevice Semiconductor Inc.	Hyundai HT	Lightning Semiconductor
Askey Computer Corporation	COMELIT GROUP S.p.A.	Global Caché	I3 Engineering	Lite-On Technology Corp
ASR Microelectronics (Shenzhen) Co., Ltd.	Commax	GMO GlobalSign Inc.	In Home Displays Limited	LivingStyle Enterprises Limited
Atios AG	Connected Response	Good Way Technology Co., Ltd	in-lite design bv	Lorex Technology Inc.
Autani	Corporacion Empresarial Altra S.L.	GOQUAL Inc.	INERGY SYSTEMS LLC	Loxone Electronics GmbH
Ayla Networks	Crow	Grandcentrix GmbH	InnoPhase IoT	Marantec Antriebs-und Steuerungstechnik GmbH & Co.KG
BEGA Gantenbrink-Leuchten KG	Current Lighting Holdco Inc	Grid Connect Inc.	Innr Lighting B.V.	Martin Renz GmbH
Beijing ESWIN Computing Technology Co., LTD.	Cyber Shields, LLC	Griesser Electronic AG	Inovelli LLC	Mattel, Inc.
Beijing OnMicro Electronics Co., Ltd.	Danalock APS	Guardian Glass		MEDIATEK
Beijing Renhejia Technology Co., Ltd (Letianpai)		Gumax		

Mercator Pty Ltd	Phoenix Systems	Shenzhen Kaifa Technology (Chengdu) Co. Ltd.	Transsion
Mercury Corporation	Pietro Fiorentini S.p.a.	Shenzhen Meian Technology Co., Ltd.	TRILUX GmbH & Co. KG
meShare Inc	PIN GENIE, INC. DBA LOCKLY	Shenzhen NEO Electronics Co. Ltd.	Trust International BV
MeteRSit SRL	Polyaire Pty Ltd	Shenzhen Orvibo Technology Co. Ltd.	TUO Accessories LLC
Millennium Electronics International Pty Ltd	POLYNHOME	Shenzhen Sail Electric Technology Co., Ltd.	u-blox
Minebeamitsumi Inc.	Pressac Communications Ltd	Shenzhen shyugj Technology Co., Ltd.	Ubiquiti Inc.
MIRO CORPORATION	Rainforest Automation	Shenzhen Sibozhilian Technology Co., Ltd.	Ultimate IOT (Shanghai) Technology Ltd.
MIWA LOCK CO.,Ltd.	Rang Dong Light Source & Vacuum Flask Joint Stock Company	Shenzhen Sunricher Technology Limited	V-Mark Enterprises Inc.
MTS PJSC	RATOC Systems, Inc.	Shenzhen Topband Co., Ltd.	Vaillant Group International GmbH
Mueller-Licht International Inc	Raymarine U.K. Limited	Shina System Co., Ltd.	Wago
Muller Services	REHAU Group	Shortcut Labs (Flic)	Watts Water Technologies
Murata Manufacturing Co. Ltd.	Remote Technologies Inc. (RTI)	Sichuan Changhong Neonet (Network) Technologies Co., Ltd.	Wellang.Co.,Ltd.
Nature Inc.	Rently	Simon Electric	Wenzhou Morning Electronics Co., LTD
Newlab S.r.l	Riverbed Technology Inc.	Simon Holding Spain	WiDom SRL
Nexelec	S. Siedle & Söhne Telefon- und Telegrafentelewerke OHG	Sinope Technologies Inc	WiFigarden Inc.
Night Owl SP	Salt River Project	SinuxSoft	Wilhelm Koch GmbH
Niko nv	Schwaiger GmbH	Siteworx Software USA LLC	Wistron NeWeb Corporation
NOKIA	Secuyou APS	Skylink Group	Woan Technology (Shenzhen) Co., Ltd. (SwitchBot)
Novus Labs	Seitec Elektronik GmbH	Skylux NV	Xiamen Intretech Inc.
Nubert Electronic GmbH	Sensibo	Skyworks Solutions Inc.	Xiamen Yankon Energetic Lighting Co., Ltd.
Nuvoton Technology Corporation	Shanghai High-Flying Electronics Technology Co., Ltd.	SLV GmbH	xxter bv
OBLO Living	Shanghai MXCHIP Information Technology Co., Ltd.	Sowilo DS	Yandex
Occhio GmbH	Shelly Europe Ltd. (Allterco)	Sprue Aegis FireAngel	Yardi Systems Inc. (Yes Energy)
Ohsung Electronics	Shenzhen Feibit Electronic Technology Co. LTD - 深圳市飞比电子科技有限公司	SSL.com	YoSmart Inc.
OKI Electric Industry Co. Ltd.	Shenzhen Hidin Technology Co., Ltd.	StreamUnlimited Engineering GmbH	Yukai Engineering Inc.
OLLI Technology	Shenzhen Holatek Co, Ltd.	Switchmaster sp. z o.o,	Zhuhai Jie Li Technology Co., Ltd
Opulinks Technology	Shenzhen Jingxun Technology Co., Ltd.	Synopsys Inc.	Zimi
Overkiz SAS		TCI Telecomunicazioni Italia srl	
Pamex Inc.		Titan Products	
Paul Neuhaus Lighting Group GmbH		Top Victory Investments Limited (TPV)	
Philips DA			

