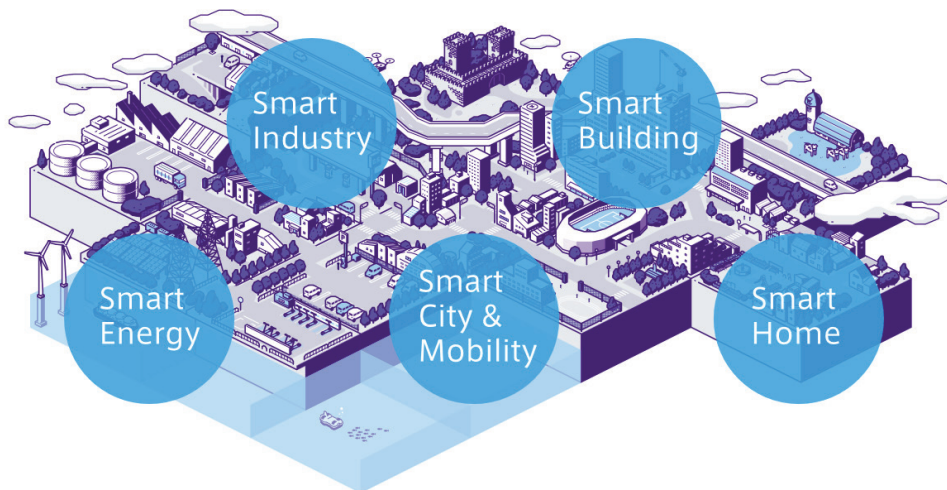


Introduction about Nessum Alliance

5 areas where Nessum can make contributions



Purpose of Establishment

The rapid expansion of broadband networks worldwide has driven a surge in demand for services such as video streaming, IP voice communications, and IoT data. To meet this demand, there is a growing need for simple and effective networking solutions for home appliances, business equipment, and IoT devices.

Nessum Alliance (formerly HD-PLC Alliance) is committed to addressing this need. By leveraging the Wavelet OFDM modulation and demodulation scheme, as defined in the IEEE 1901 standard, Nessum enables easy, high-speed, and long-range communication across various wired and wireless media. The Alliance aims to foster a thriving ecosystem of interoperable Nessum devices and drive international standardization efforts to create a more connected and sustainable IoT future as Purpose of Establishment.

Activities

✓ **Creating a "simple" and "stable" communication environment**

1. Implementation of communication compatibility tests between models of different companies
2. Educational activities for equipment manufacturers, electrical materials, construction, electrical wiring companies, system integrators, etc.

✓ **Appeal of convenience with Nessum**

1. Promotional activities to ensure comfortable adoption and use of Nessum
2. Web dissemination and seminars
3. SNS, press releases, and other public relations activities, joint exhibitions, etc.

✓ **Promotion activities to connect home appliances, businesses, and equipment from different industries**

1. Cooperation with industry groups
2. Technology exchange meetings and collaboration with other alliances
3. We set up the use environment and information sharing
4. Promotion of standardization

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for details



nessum.org

Greetings

"HD-PLC Alliance" will be renamed "Nessum Alliance" in October 2023, and will evolve into a new stage as a promotional organization for wired/wireless (Any Media) Nessum communications that can meet diverse customer needs!

Nessum Alliance (former name: HD-PLC Alliance) which is a certifying body for compatibility between HD-PLC (former name) communication devices that comply with the international standard IEEE 1901 and promotes these activities and international standardization activities in line with technological evolution was established as a voluntary organization in September 2007.

In today's social environment, efforts toward DX (digital transformation) aimed at diversifying work styles and high labor productivity, as well as GX (green transformation) that emphasizes the global environment, are accelerating in each industry, creating a ubiquitous society. In recent years, the shift from conventional "IT" to "IoT first" has been deepened, and everything is required to be connected to the internet environment.



Michimasa Aramaki
President
Nessum Alliance

Amid such social changes, we are working to create an environment where anyone can easily create a "society where all people and things are connected" and "people-friendly" networks. In the global market, we are applying not only EMS such as security cameras, smart homes, air conditioning, and street lighting control, but also apartment complexes, commercial facilities, cultural property facilities, factories, construction sites, livestock/agriculture, smart grids (smart metering), and social transportation. It is steadily expanding in popularity as a means of IoT communication for infrastructure.

Furthermore, in order to meet market needs that will become more and more diverse in the future, we will utilize high-speed digitization using conventional power lines, coaxial lines, dedicated lines, wire savings by reusing existing lines, and long-distance communication. In addition to evolving it, we will add a new field of short-range wireless (including underwater communication) using weak radio using conventional modulation and demodulation methods, and widely deploy it as the Nessum communication method (renamed the former HD-PLC communication method). By doing so, we will contribute to the IoT society.

"Making our customers' dreams and hopes come true" with the Nessum communication system of wired/wireless (Any Media) that can meet diverse customers' needs.

We appreciate your continued support and cooperation as the Nessum Alliance advances to a new stage.



Overview of the Membership

Our members consist of Promoter, Standard, Start-up, Supporter and Special members. membership eligibility, as stipulated in our bylaws, requires agreement with the purposes and activities of our organization. Please refer to our bylaws on our official website (Top page → Alliance → Member Privileges & Bylaws).

Now Recruiting Members !

You can apply for membership by clicking on the "JOIN Nessum ALLIANCE" button on our website and completing the application form. If you prefer, you can also contact us through our inquiry form to express your interest in joining. Once we receive your application, we will review it and let you know if you have been accepted.

By becoming a member, you agree to abide by our bylaws. Please read them carefully before submitting your application.

For information on the benefits of each membership category, please visit our website. (Please note that we are not currently accepting applications for Special Membership.)

Important Notes for Membership

Supporter Members: Enjoy a complimentary first year of membership. However, to continue your membership beyond the initial year, you will need to upgrade to a paid membership.

Start-up Members: Start-up Members receive a complimentary membership. Please note that there are specific eligibility criteria, including company scale and membership term. For more details, please consult our bylaws.

Several Case of Activities

Interoperability Securement



Securement of Communication Interoperability using the Certification Lab (Nessum Test House, etc.)



Technical Exchange/Collaboration with Different Organizations



Joint Webinar with other organization



Joint exhibition with other organizations

Global Standardization /Study of Regulations Trend



Propelling Global Standardization (IEEE, TTC, etc.)



Updated Industry Field Trend/Present of the Studies (WSPLC, PLC-J, etc.)

Promotion Activities/Holding Seminars



Official Website



Press Release



Alliance-organized Seminar



SNS

For any inquiries to Nessum Alliance, please:

Contact us via our official website, or email to the Alliance Office. Also welcome to every SNS.

Official Website : <https://nessum.org/>

E-mail: info@nessum.org



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Member levels and their Privilege

	Promoter	Standard	Start-up ^{*10}	Supporter	Non-member
Marketing matters					
Related to Nessum Alliance (hereinafter called "Alliance") website					
Display company name and its logo (Preferentially display for upper membership)	Y	Y	Y	Y	^{*1}
Place press release(s) regarding the member's Nessum product	Y	Y	Y	Y	
Place the introduction article and list about the member's Nessum products	Y	Y	Y	Y	^{*1}
Link from the site to the member's own Nessum related product site	Y	Y	Y	Y	^{*1}
Cooperate publishing or editing of the contents for the site	Y	Y	Y	^{*1}	-
Participate in Strategy & Marketing working group(WG) as a member	Y	Y	Y	^{*1}	-
Participate in press release development or joint press release	Y	^{*7}	^{*7}	^{*1}	-
Participate as an attendee in marketing seminars organized by Alliance	Y	Y	Y	Y	Y
Participate as a speaker in the seminars	Y	Y	Y	^{*1}	^{*1}
Participate in the Alliance's exhibitions (Fee discount might be available)	Y	Y	Y	^{*2}	-
Preferential reserve of the exhibition space	Y	Y ^{*6}	Y ^{*6}	-	-
Technical matters					
Access to Nessum's white papers on member site	Y	Y	Y	Y	-
Access to Nessum developer reference documents on member site	Y	Y	Y	-	-
Participate in Technical WG as a member	Y	Y	Y	^{*1}	-
Participate as an attendee in technical seminars organized by Alliance	Y	Y	Y	Y	Y
Participate as a speaker in the seminars	Y	Y	Y	^{*1}	^{*1}
Nessum Certification, Logo usage					
Participate in Certification WG(TG)	Y	Y	Y	^{*1}	-
Use Nessum products test site ^{*3} (Fee discount for higher-level members might be available)	Y	Y	^{*4}	^{*4}	-
Eligible to apply Nessum Connectivity Verification Test (CVT)	Y	Y	-	-	-
Use Nessum promotion logo ^{*5}	Y	Y	Y	Y	-
Use Nessum certification logo on the product ^{*5}	Y	Y	-	-	-
Use the certification logo on their certified products such as LSI/module ^{*5}	Y	Y	-	-	-
List their certified products information on Alliance website	Y	Y	-	-	-
Sharing information about the Alliance					
Receive the Member newsletters, mail magazines about our activity	Y	Y	Y	Y	-
Submit your own company information (product info, initiatives, event)	Y	-	-	-	-
Participate in the meetings and events organized by Alliance	Y	Y	Y	Y ^{*2}	-
Access to the brief information on Alliance's Member site ^{*8}	Y	Y	Y	Y	-
Access to the detailed information on Member site	Y	Y ^{*6}	Y ^{*6}	^{*1}	-
The Alliance's Governance					
Participate in Annual Meeting	Y	Y	Y	Y	-
Vote at Annual Meeting	Y	Y	Y	-	-
Participate in WG and Task Group (herein after called "TG") as a member	Y	Y	Y	^{*1}	-
Vote at WG/TG	Y	Y	-	-	-
Hired as WG chair	Y	Y	-	-	-
Hired as TG chair	Y	Y	-	-	-
Propose to Steering Committee ("SC") regarding Alliance's activities, policies	Y	-	-	-	-
Participate for Promoter meeting	Y	-	-	-	-
Hired as a member of SC	Y	-	-	-	-
Appoint a member of SC	-	-	-	-	-
Annual Membership Fee					
Unit: k [JPY] ^{*9}	500	300	0 ^{*10}	0 ^{*11}	-
^{*1} : Possible in case approved particularly by SC. ^{*2} : Conditional, no member-discount. ^{*3} : Nessum Test House (Location: 4-1-62 Minoshima, Hakata-Ward, Fukuoka City, Fukuoka, Japan). ^{*4} : No member-discount. No eligibility to apply Nessum Connectivity Verification Test (CVT). ^{*5} : Required a license agreement concluded with Panasonic Holdings Corp. in advance of using the logo. ^{*6} : More preferential access authority for higher membership. ^{*7} : Possible in case accepted by Promoters and approved particularly by SC. ^{*8} : The brief information which is confidential to non-member = exhibition&seminar activity info, standardization trend, trend of alliances collaboration between different industries organizations, Nessum Test House's info, etc. ^{*9} : Charged in every April per fiscal year. ^{*10} : Annual membership is free, but subject to certain qualifications such as company size and membership duration. Please refer to the Bylaws for details. ^{*11} : Supporter members enjoy a complimentary membership fee only in their first fiscal year of membership. Renewal thereafter requires a paid membership. Please refer to the Bylaws for details.					

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