

ECHONET Consortium activity report (FY2024 4Q)

Category	Activities
Topics	<div><div>1. Professor Chih-Lin Hu from National Central University, Taiwan is welcomed as an Advisory Fellow</div><div>Professor Chih-Lin Hu from National Central University, Taiwan is welcomed as a 4th Advisory Fellow as of February 10th. He has deep ties with ECHONET Consortium including introducing ECHONET Lite and ECHONET Lite Web API to Taiwan. Recently, he has been working to hold seminars such as “Japan-Taiwan Smart Energy Seminar 2024” and has supported our activities in Taiwan by introducing Taiwanese energy, EV, and smart home companies to ECHONET Consortium.</div></div> <div><div>2. The 22nd ECHONET Forum</div><div>The 22nd ECHONET Forum was held on Friday, February 7 in a hybrid format, both in person and online.</div></div> <div><div>3. ECHONET Symposium 2025</div><div>ECHONET Symposium 2025 was held on March 12th with the theme of "Smart Homes Connected with Local Communities - ECHONET 2.0 Solving Energy Conservation, Disaster Prevention, and Health Issues."</div></div> <div><div>4. Controllers that comply with the ECHONET Lite AIF specifications have become a requirement for the Childrearing Green Housing Support Project by the Ministry of Land, Infrastructure, Transport and Tourism and the Ministry of the Environment.</div><div>Controllers that comply with the ECHONET Lite AIF specifications have become a requirement for advanced energy management in the Childrearing Green Housing Support Project (Housing Support Project), a joint project of the Ministry of Land, Infrastructure, Transport and Tourism and the Ministry of the Environment, and were listed on the Childrearing Green Housing Support Project's website on March 21st.</div></div> <div><div>5. Introducing ECHONET Lite Web API in Cabinet Office's Smart City Reference Architecture</div><div>A column in the "Smart City Reference Architecture, Third Edition," published on the Cabinet Office website on March 31, explained ECHONET Lite Web API and included an example of its use, "Elderly Care in Nomi City, Ishikawa Prefecture."</div></div> <div><div>6. Plug Fest</div><div>The 32nd Plug Fest was held at the Kanagawa Institute of Technology HEMS Certification Support Center on February 13th and 14th (with remote participation via VPN), and members from two companies and two teams participated (https://echonet.jp/plugfest_report_32/).</div></div> <div><div>7. ENEX 2025</div><div>We exhibited at ENEX 2025, which was held at Tokyo Big Sight from January 29th to 31st, in collaboration with Kanagawa Institute of Technology.</div></div>
Steering Committee	<div><div>1. Professor Chih-Lin Hu from National Central University, Taiwan is welcomed as an Advisory Fellow</div><div>Professor Chih-Lin Hu from National Central University, Taiwan who specializes in digital homes and etc. is welcomed as a 4th Advisory Fellow as of February 10th. He has deep ties with ECHONET Consortium including introducing ECHONET Lite and ECHONET Lite Web API to Taiwan. Recently, he has been working to hold seminars such as “Japan-Taiwan Smart Energy Seminar 2024” and has supported our activities in Taiwan by introducing Taiwanese energy, EV, and smart home companies to ECHONET Consortium. With the help of Professor Hu, we will work to increase the recognition of ECHONET standards in Asia and other countries, disseminate the standards and promote international standardization, thereby further developing ECHONET Consortium and improving member services.</div></div> <div><div>2. The 22nd ECHONET Form</div><div>The 22nd ECHONET Forum was held on Friday, February 7 in a hybrid format, both in person and online. Dr. Ishii from Waseda University gave a special lecture titled "Trends in the Electric Power Sector and New Developments in Utilizing Customer Resources" and Representative Director Hiramatsu reported on the ECHONET Consortium's activities. In addition, LIXIL Corporation, Panasonic Holdings Corporation, and mui Lab Corporation, Ltd. introduced their technologies and exhibited their products.</div></div> <div><div>3. The 14th Term of ECHONET 2.0 Technology Seminar</div><div>The 14th term of the ECHONET 2.0 technical seminar was held by the Internet Academy on February 5th and February 12th.</div></div>
Technical Committee	<div><div>1. Detailed Requirements for ECHONET Device objects</div><div>Detailed Requirements for ECHONET Device objects Release R rev.3 with new properties added to frequency regulation PCS class has been released to the public (March 2025).</div></div> <div><div>2. Interface Specifications for Application Layer Communication</div><div><ul style="list-style-type: none">Errata for the first edition of AIF certification test specification document between low-voltage smart electric energy meters and controllers Ver.1.1* has been updated.Interface Specifications for Application Layer Communication between frequency regulation PCS and controllers Version 1.00 has been made public, and the corresponding certification specification (for frequency regulation PCS and controller) has been made available to members (March 2025).</div></div> <div><div>3. Test tool</div><div>Low-Voltage / High-Voltage Smart Energy Meter Test Tool Ver.2.1.4 which has been improved in functionality and supports new AIF target devices has been released to members (March 2025).</div></div> <div><div>4. ECHONET Lite Web API</div><div>"API specifications section Version.1.2.0", "Device specifications section Ver.1.6.1", "Device Description (JSON) (Excerpt from Device specifications section Version 1.6.1)", and "OpenAPI Document (YAML): API specifications section V.1.2.0&Device specifications section V.1.6.1 Compatible Version" have been released to the public, which correspond to the description corrections of the previous version of the API guidelines (March 2025)..</div></div> <div><div>5. Plug Fest</div><div>The 32nd Plug Fest was held at the Kanagawa Institute of Technology HEMS Certification Support Center on February 13th and 14th (with remote participation via VPN), and members from two companies and two teams participated (https://echonet.jp/plugfest_report_32/) .</div></div>

Promotion Committee	<div><div>1. ECHONET Symposium 2025</div><div>ECHONET Symposium 2025 was held on March 12th with the theme of "Smart Homes Connected with Local Communities - ECHONET 2.0 Solving Energy Conservation, Disaster Prevention, and Health Issues." The presentations were given by Deputy Director Nakayama of the Ministry of Economy, Trade and Industry, Vice President Tan of the Japan Advanced Institute of Science and Technology, Professor Isshiki of the Kanagawa Institute of Technology, Associate Director Toride of the National Research Institute for Earth Science and Disaster Prevention, Section Head Oka of the National Institute for Environmental Studies, and Chief Kitagawa of the Japan Electrical Manufacturers' Association. The ECHONET Consortium's representative director, chairperson of the promotion committee, and chairperson of the technical committee also gave lectures. As a new initiative, a panel discussion was also held. 396 people applied to participate, and 260 people showed up on the day, making the event just as successful as last year.</div></div> <div><div>2. Controllers that comply with the ECHONET Lite AIF specifications have become a requirement for the Childrearing Green Housing Support Project by the Ministry of Land, Infrastructure, Transport and Tourism and the Ministry of the Environment.</div><div>Controllers that comply with the ECHONET Lite AIF specifications have become a requirement for advanced energy management in the Childrearing Green Housing Support Project (Housing Support Project), a joint project of the Ministry of Land, Infrastructure, Transport and Tourism and the Ministry of the Environment, and were listed on the Childrearing Green Housing Support Project's website on March 21st. In response to this, we have notified our members of this requirement and have asked them to review the information regarding each company's controllers posted on the ECHONET Consortium's website. We have confirmed with the implementing organization of this support project that we will continue to share information and work together to disseminate information.</div></div> <div><div>3. Introducing ECHONET Lite Web API in Cabinet Office's Smart City Reference Architecture</div><div>A column in the "Smart City Reference Architecture, Third Edition," published on the Cabinet Office website on March 31, explained ECHONET Lite Web API and included an example of its use, "Elderly Care in Nomi City, Ishikawa Prefecture."</div></div> <div><div>4. ENEX 2025</div><div>We exhibited at ENEX 2025, which was held at Tokyo Big Sight from January 29th to 31st, in collaboration with Kanagawa Institute of Technology. This exhibition was sponsored by the Japan Housing Association and the Japan Electrical Manufacturers' Association, and 14 member companies exhibited their products and technologies. On the presentation stage, Professor Isshiki from Kanagawa Institute of Technology, Sekisui Chemical Co., Ltd., Chairperson Nagasawa of ECHONET Consortium, and member companies gave presentations under the title of "Let's all create an IoT smart house." In addition, lectures were held on the utilization of next-generation smart meters on Route B, with speakers including the Ministry of Economy, Trade and Industry, Professor Umejima of Keio University, Professor Isshiki of Kanagawa Institute of Technology, and the representative director of the ECHONET Consortium.</div></div> <div><div>5. CES 2025</div><div>With the support of a national project commissioned by Kanagawa Institute of Technology, we conducted research on smart homes and EV chargers at CES 2025 which was held in Las Vegas from January 7th to January 10th and reported the results of the research to the AIF International Standards Development Committee.</div></div>
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