



OpenADR Alliance Annual Report



2024



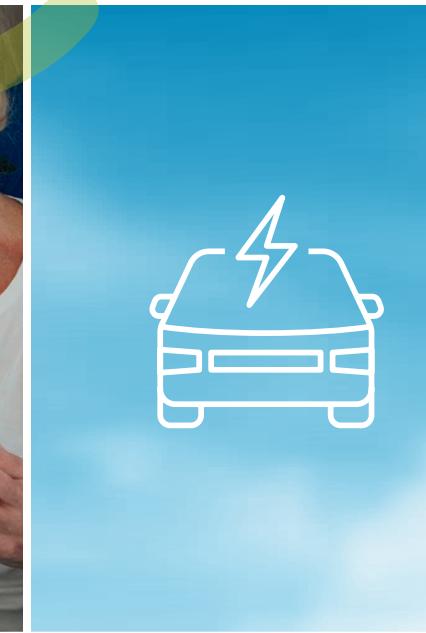
Executive Summary

This annual report highlights the successful growth and global adoption of the OpenADR standard in 2024, marked by an increase in worldwide membership, certified products being integrated into the market and the strategic expansion into new global market segments.

The OpenADR Alliance has had a number of key achievements this year including the launch of the OpenADR 3.0 certification program, a successful Users Conference and the strengthening of ties with other standards bodies and government/policy organizations.

Looking ahead we remain committed and well positioned to help utilities manage the growing pool of distributed energy resources, which includes renewable energy, energy storage, demand response and electric vehicle charging. Conversely, the Alliance also strives to enable new markets for its members by further harmonizing Demand Flexibility programs.

Table of Contents



- 2** Executive Summary
- 4** About Us / Mission
- 5** Board of Directors
- 6** 2024 highlights
- 8** Letter from Managing and Technical Director

- 9** Global Map with OpenADR implementations
- 10** Global Adoption of the OpenADR Standard
- 11** New Zealand Trials
- 12** Industry Partners
- 13** OpenADR 3.0

- 14** EcoPort
- 15** E-mobility
- 16** VPP Growth
- 16** Battery storage: Renewable, Decarbonization
- 17** Membership
- 20** Contact Us

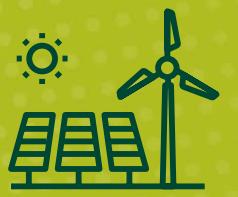
About Us / Mission



The OpenADR Alliance, a non-profit corporation created to foster the development, adoption, and compliance of OpenADR and related standards, helps utilities manage the growing pool of distributed energy resources, which includes renewable energy, energy storage, demand response & flexibility, and electric vehicle charging. The OpenADR standard supports communications to all Distributed Energy Resources (DER) to manage changes in load shape, energy inputs and power characteristics of DER assets. The EcoPort standard additionally enables smart appliances to be connected.



ECOPORT



*helps utilities
manage the growing
pool of distributed
energy resources*



The mission of the OpenADR Alliance is to foster the development, adoption, and compliance of the Demand Flexibility standards through collaboration, education, training, testing and certification.

Our Board of Directors



Mark Martinez
Chairman



Mary Ann Piette
Vice-Chairman



Albert Chiu
Secretary/Treasurer



Sunil Goyal



Geoff Wickes



*The OpenADR Alliance ecosystem has traditionally been made up of control manufacturers and utilities.
Now we are also attracting members from the automotive and associated sectors.*

2024 highlights

+319

Number of Certified Products
now exceeds **319**

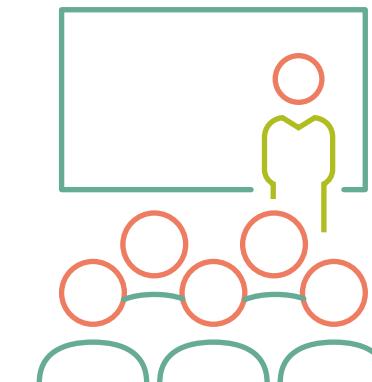


First OpenADR 3.0 products in the certification queue and to be announced soon



The Alliance added **40 new members** in 2024. Of those, 18 are in North America, 17 in Asia, and 5 in Europe bringing our total membership to over 220.

12 industry events



The Alliance participated in **12 Industry Events in 2024** with a mix of USA and Europe based events and one Australian tradeshow. For 2025, the Alliance is eager to also participate in events in Asia and is currently formulating a strategy for this.

2024

928 A stylized icon of a building with a grid pattern.

53 A stylized icon of a flag with the number 53.

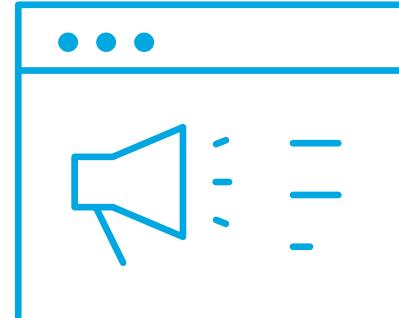


By the end of 2024, **928 companies** from **53 countries** downloaded the OpenADR specification

2024 highlights cont'd



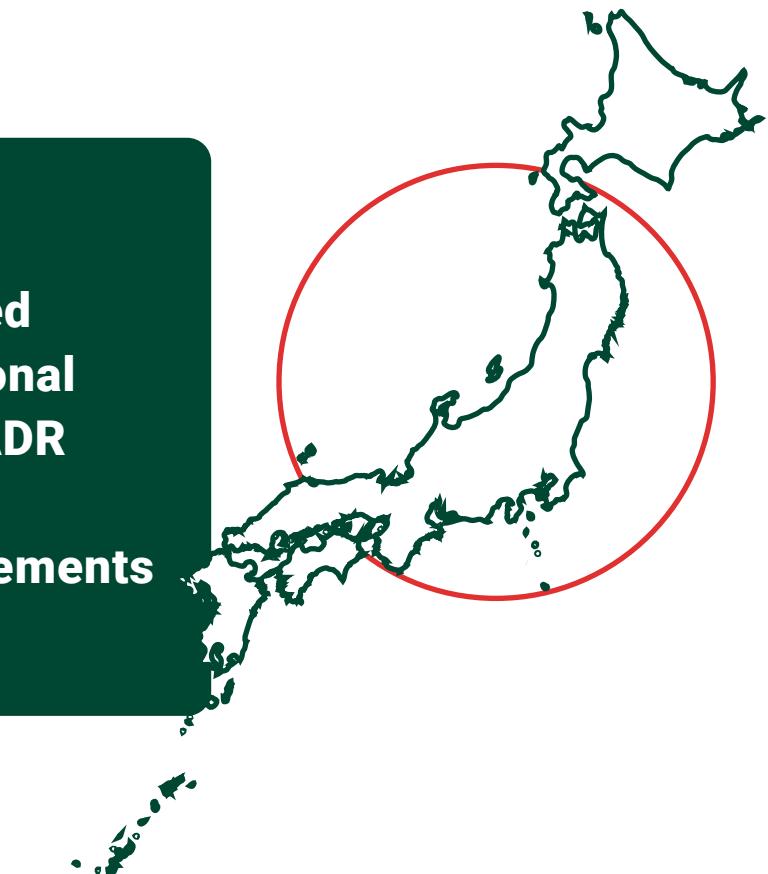
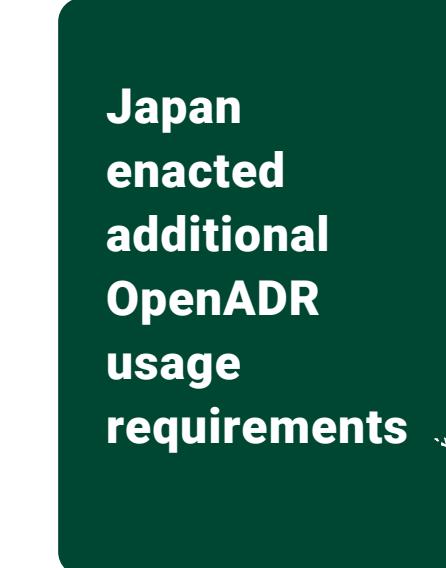
The Alliance hosted several Webinars and countless conference calls



Published 17 industry blogs



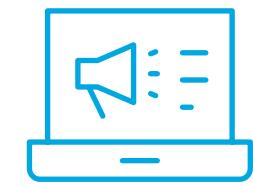
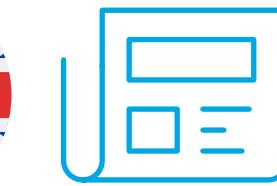
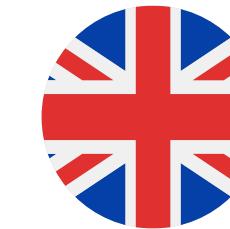
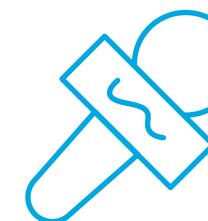
EcoPort saw jump in certified products



Several **European countries chose OpenADR 3.0** as their Demand Side Flexibility kick-off technology standard



California utilities are embracing **OpenADR 3.0 for new dynamic price communications**



Raised OpenADR profile among journalists in the **UK and Germany** by securing over **60 pieces of news coverage**

Letter from



Rolf Bienert

Managing and Technical Director

By today's count we added exactly 40 member companies and are now well over 200 members, we have over 319 certified products

our managing and technical director

Dear OpenADR Community,

I cannot believe that we are already at the start of 2025. It feels like we just returned from [DISTRIBUTECH in Orlando](#) which – together with [AHR](#) – was one of our first tradeshow appearances in 2024. However, it did become painfully obvious that we are nearing the winter months again as we walked from our hotel to the [2nd OpenADR Users Conference in London](#) in a “refreshing” snow-rain shower.

Not surprisingly, the OpenADR 3.0 standard was one of our biggest behind-the-scenes work items this year (again). The first version of the standard was already completed over a year ago but like with any good new product, it took everybody a while to wrap their minds around all the new ideas. The certification test tool was also completed and will very soon be available for purchase. I am not going to sugar coat it, the way the new version

works – REST API, JSON, OAuth 2, flexible business logic – still mystifies my “old” brain. I grew up with an Atari and C++ after all. But things are taking shape nicely now and adoption is rapidly increasing.

Overall it has been a great year for the OpenADR Alliance as well as for the adoption of the OpenADR standard. By today's count we added exactly 40 member companies and are now well over 200 members, we have over 319 certified products, and we are now working with 10 approved test facilities in eight countries. In addition, the Alliance's influence is expanding across Europe and the Middle East, with new members from the UK, Germany, Italy, Israel, Bulgaria, and the Netherlands.

Throughout 2025, we anticipate more growth with the availability of certification

program for the OpenADR 3.0 standard ideal for distributed energy resources, such as battery storage, EV managed charging networks and Virtual Power Plants (VPPs).

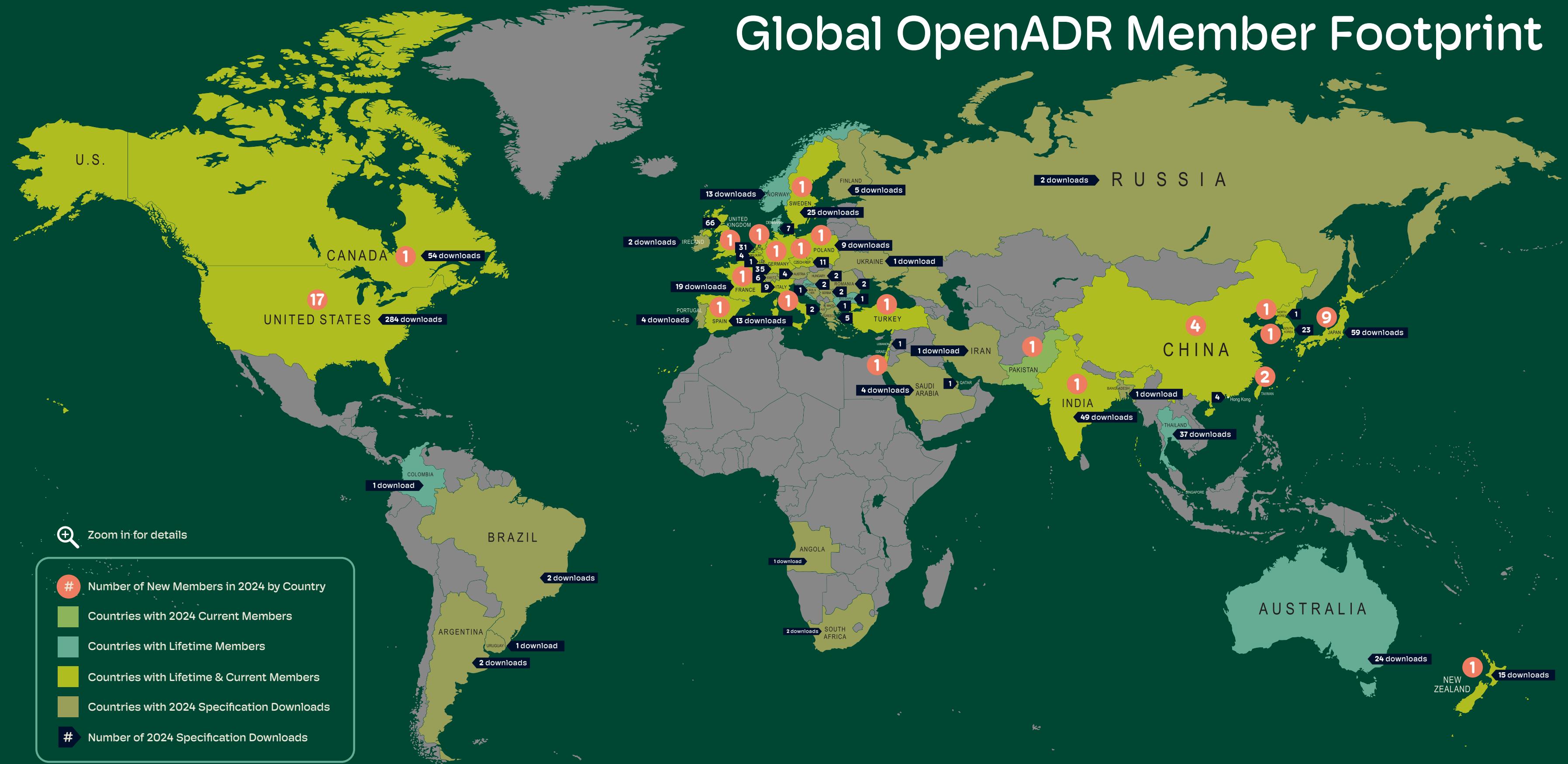
Another focus area will be the growing need to connect appliances efficiently to the grid. In addition to OpenADR, the EcoPort certification (the certification standard for CTA-2045) continues being adopted by manufacturers and regulators.

Aside from the “business-as-usual” tasks, we are also working on formulating strategies around system conformance, flexibility asset tracking, and DER information exchange.

We look forward to the continuing success of OpenADR Alliance.



Global OpenADR Member Footprint



Global Adoption of the OpenADR Standard



More and more utilities are rolling out new programs using the OpenADR standard.

In the US, OpenADR has been well known for managing flexibility assets for many years.

California's Title 24 building code has required the standards since several years and the new version will also see additional ideas and use cases.

[EnergyStar](#), the energy efficiency standard for appliances, now also includes references to OpenADR when it comes to grid connectivity. More and more utilities are rolling out new programs using OpenADR and we are also seeing increased EV activities with utilities by our board member company Ford Motor Company.

Outside of the US, the European market has seen the biggest increase in activities. In particular OpenADR 3.0 is of increased interest in new projects. The UK has been working on Energy Smart Appliances for several years and is just wrapping up their first end-to-end system evaluations. The next phase will be looking at OpenADR 3.0.

Recently the Energy Networks Association of the UK also specified OpenADR and has started a project to define the program parameters and implementation requirements. In the Netherlands we also see an effort to mandate standards like OpenADR and OCPP for EV charging applications. The Swedish branch of E.On also recently implemented a new 3.0 VTN.

As more governments and policy makers in Europe specify open standards as part of energy demand flexibility, new European members are also rolling out cutting-edge software and technology solutions to support several utility-led programs. In support of international activities, OpenADR 2.0b has been an IEC standard since 2018 and we are starting to look at an IEC pathway also for OpenADR 3.0.

OpenADR Enabling Flexibility in New Zealand

New Zealand has committed to achieving net zero emissions by 2050 and a goal of reaching 100 percent renewable electricity generation by 2030. As the country embarks on an ambitious energy transition, it has many natural advantages, including a strong renewable resource base.

In 2022, the Electricity Engineers' Association (EEA) and the Energy Efficiency and Conservation Authority (EECA) came together with industry partners to form the FlexTalk (Demand Flexibility Common Communications Protocol Project). OpenADR member company [Cortexo](#), based in New Zealand, had a key role as a 'technical lead' providing the knowledge and technology to implement the technical solution.

The main objective of the project was to explore how to better enable customer flexibility to

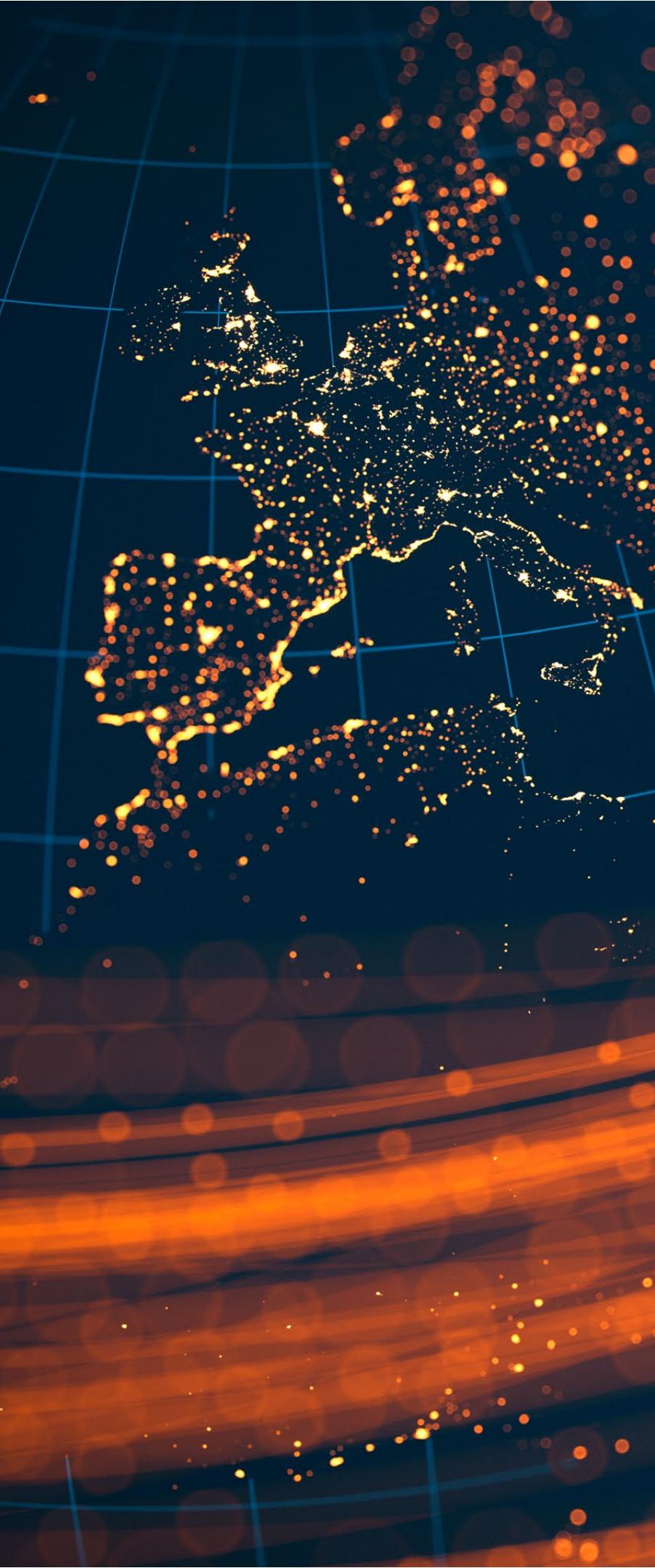
be utilized by testing the interoperability of a two-way common communication protocol between an electricity distribution company and flexibility supplier. The program successfully trialed seven custom demand management programs using OpenADR for household EV charging and battery management, including price discovery and price bidding programs as well as emergency and dynamic operating envelope signals. The trial report was released recently.



[The FlexTalk Report \(PDF\)](#): The demand flexibility common communication protocols project final report outlines why demand flexibility is so important, what is happening internationally, what was tested, what was found and what the project's recommendations are.

[The FlexTalk Insights \(PDF\)](#): OpenADR technical insights provide more technical detail of the FlexTalk program design and guidance on implementation approaches for the OpenADR protocol.

The adoption of OpenADR in New Zealand is still in its early stages. However New Zealand continues to explore how Flexibility markets may work and aggregators may bundle services that offer DER to various parties.



Industry Partners

In Europe, the OpenADR Alliance is strengthening ties with other standards bodies and government/policy organizations. This includes the UK's Department of Energy Security & Net Zero (DESNZ), which has written OpenADR into two BSI standards, EEBUS in Germany, and Smart Energy Europe (smartEn), which lobbies for energy flexibility as part of the transition to clean energy. [Learn more here.](#)

Standards are evolving all over the world, learning from implementation and joining up all the actors is key to enabling stable and reliable flexibility.



Department for
Energy Security
& Net Zero



Evolving the OpenADR Standard

With the latest release of the OpenADR 3.0 communications standard and certification program the Alliance can support a broader range of distributed energy resources to better optimize energy storage for residential customers using OpenADR standards.

The OpenADR 3.0 Standard is not intended to replace the OpenADR 2.0a/b Profile Specifications. Rather, it provides an additional, simplified way to add OpenADR functionalities in current, as well as different and new scenarios.

On the surface the main difference between the 2.0 and the 3.0 standards is the programming language (now JSON) and the architecture as a REST API. Many of the general functions remain the same, for example the Event and the Report service. However, there is one key difference that makes OpenADR 3.0 more adoptable—the removal of what we call the business logic.

In 2.0 there was a clear mandatory message exchange pattern. This essentially defined the business logic. As a REST API, 3.0 now leaves the business logic to the application layer entirely. Therefore, we can propose and implement different business mechanisms using the same underlying standard. This makes it much easier to implement simplistic programs like price communication for dynamic rates. The VEN in such a case can be very rudimentary, just a few lines of code to read the price from the server. This enables OpenADR 3.0 to be easily implemented in all types of systems and devices, for instance also in a [Matter](#) gateway. This makes OpenADR more accessible for a broader range of implementations. The certification will also be simpler and more cost effective. We are now seeing the first efforts for price comms via 3.0 by the leading California utilities SCE and PG&E.



Showcasing the new developer friendly aspects of OpenADR 3.0, the Alliance recently held a [Hackathon](#) hosted by board member PG&E in California. The event was well received and the 20 participating developers demonstrated great knowledge of the standard. It was also interesting to see the usage of AI to easily build software products surrounding OpenADR.

“Ford supports open standards as a way to overcome interoperability challenges in young but maturing markets—like what we have today for Vehicle Grid Integration. This aligns well with OpenADR’s mission.”

According to Sunil Goyal,
Advance Project Leader—Energy Service, Ford Motor

EcoPort – Connecting the Consumer to the Grid

The OpenADR Alliance is playing a key role supporting smart appliances in the USA.

EcoPort® is the brand name associated with CTA-2045 certified products. CTA-2045 is a technical standard promulgated and published by the Consumer Technology Association (R7.8 Modular Communication Interface for Energy Management Subcommittee.) Compliance means that a product has been submitted to the EcoPort certification program (operated by the OpenADR Alliance, which also operates a certification for the separate OpenADR standard, IEC 62746-10-1.) Smart appliances are being used in energy flexibility programs operated by DSO's, and EcoPort enables OpenADR messages to flow to appliance owners while allowing DSOs to use communications (WiFi, cellular) of their choice.

In the US, several states now require all new electric storage water heaters sold in the state to include a CTA-2045 communications port. The large California market has also announced a rulemaking incorporating both EcoPort and OpenADR in appliance requirements.

Certified EcoPort Products

The large California market has also announced a rulemaking incorporating both EcoPort and OpenADR in appliance requirements.



The Journey to E-mobility

The rapid growth of the electric vehicle market has spurred cooperation between automotive OEMs and the electric utility industry. EV's represent a once-in-a-generation transformation on both the automotive and the utility side. We are already seeing a significant number of EV charging programs using OpenADR and often also OCPP. The industry is still developing, and we are expecting more innovation to happen .

Aside from the basic communication protocol, EV charging includes a number of systems. From the actual plug to the customer interface, these systems must become more standardized in their roles and interactions to provide a customer friendly and scalable solution for the future.

The Electric Power Research Institute (EPRI) envisioned this several years ago. They collaborated with a number of car makers—Ford, BMW,

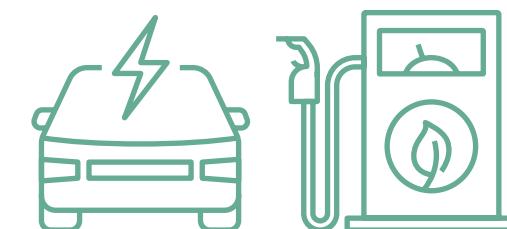
General Motors, Honda, Mercedes Benz, and Toyota—in order to conceptualize a common set of interfaces. It was referenced as the [**Open Vehicle-Grid Integration Platform**](#), OVGIP for short. Ford and several others in recent years productized this platform and successfully rolled it out with more than 5 utilities. OpenADR is the protocol for grid services in OVGIP.

This year, [**ChargeScape**](#), a consortium of some of the biggest names in automotive manufacturing has appointed its first CEO and CTO. Spearheaded by Alliance Board member, Ford Motor Company, along with BMW Manufacturing Co., Honda and Nissan Motor Corporation, the joint venture will focus on the integration of electric vehicles (EVs) into the power grid in the US.

The OpenADR Alliance is pushing for more system standardization around OVGIP, including a

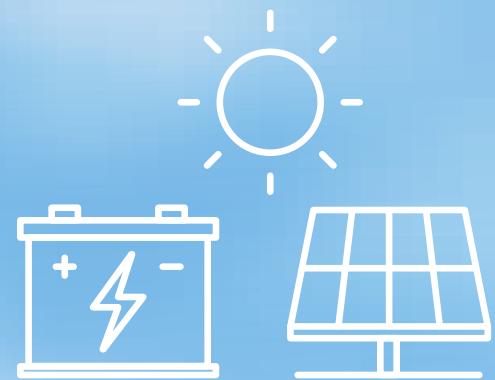
customer facing certification mark. The initial efforts are ongoing. We are convinced that this is a vital activity for scalability in the future as we are otherwise facing a fragmentation of the systems with a many associated downsides for customers, utilities, and equipment makes alike.

EV's represent a once-in-a-generation transformation on both the automotive and the utility side.



VPP Growth

A key current driver is the emergence of ever dropping battery storage costs, increasing the capability of Virtual Power Plants as grid resources. First generation implementation for OpenADR in the VPP market was through rooftop solar and storage. Today we are seeing more harmonizing cross-DER integration. Companies are now developing EV charging management systems that support flexible pricing, solar system integration, and AI-based predictive load balancing.



Battery storage: Renewable, Decarbonization

Demand Side Management (DSM) programs (aka DR, DER, or Flexibility) make use of available capacity in homes, companies, car fleets, and other systems. This capacity can be provided by reducing the power consumption (curtailment in classic DR programs) like changing air conditioning and heating settings, stopping appliances and other systems, etc. However, capacity can also be made available using managed renewables in connection with batteries, up and down regulation of battery chargers (EV), and controlled discharging of batteries, both in fixed or vehicle systems. In particular vehicle fleets represent a significant capacity for short-term usage.

The OpenADR standard has supported this type management since over a decade with a multitude of installations worldwide. OpenADR messages in most cases provide objectives to customer owned system to trigger a response. These messages can contain variable prices or more specific energy requests. Any and all available capacity can be managed easily and without disturbing the grid controls in this way.



Virtual Power Plants (VPPs) are a smart, clean and cost-effective way to manage electricity supply and demand on an evolving energy grid.

Membership



Promoter members



Contributor members

| | | | | | |
|------------------------------------|---|-------------------------------------|---|--|-----------------------------|
| AMPECO | Airzone — Corporación Empresarial Altra | Autani, LLC | British Columbia Institute of Technology (BCIT) — Applied Research — SMART Department | ChargePoint, Inc. | Cooper Power Systems |
| 4energy Ltd | ajdvhad | Autel US Inc. | Budderfly LLC | Chargeie | Cortexo |
| 75F | Ambi Labs Limited | AutoGrid | Builddie | Chichibu PPS K.K. | CPower Energy Management |
| A.O. Smith Water Products Company | AMG Solution inc | Automated Logic Corporation | Buzze Inc. | Chunghwa Telecom Co., Ltd. | CrossChasm |
| ABB Bailey Japan Limited | AMITEK | Avi-on Labs, Inc. | Byucksan Power Co., Ltd. | Cielo WiGLE Inc. | Cuculus GmbH |
| ABB S.p.A. | Ampcontrol Technologies, Inc. | Azbil Corporation | CACTUS | CleanSpark | Curoo |
| ACMEPOINT ENERGY SERVICE Co., Ltd. | AmpedUp! Networks, LLC | Basari Mobile Co. | CarMedialab GmbH | Codibly | Customized Energy Solutions |
| Acuity Controls | ampUp | BC Hydro | Carrier Corporation | Coil Winding Specialist, Inc. | CyberSwitching, Inc. |
| AcuityBrands | ANCLAB CO.,LTD | Bellawatt | CastleOS Software, LLC | Colmac Waterheat inc. | Daikin |
| AddEnergie | Apparent Inc. | Blink Charging Co | CCIC-CSA International Certification Co., Ltd. Kunshan Branch | Computime Ltd. | Daintree Networks, Inc. |
| Ademco Inc – Resideo Grid Services | Ariston Group | Blue Pillar, Inc. | CEIVA Logic, Inc. | Connected Energy [former BPL Global LLC] | dcbel Inc. |
| ads-tec Energy GmbH | ATEN International Co., Ltd. | Blueprint Power Technologies LLC | ChargeLab | Constellation Energy | Delta Networks(Xiamen)LTD. |
| AEP | Austin Energy | BP Pulse Fleet North America , Inc. | | Control Dynamics | Dialight |
| AI-RIDER Corp. | | Braeburn Systems LLC | | | DigiKoo GmbH |

Membership



| | | | | | |
|--|---|--|---|---|--|
| DIGITAL GRID Corporation. | Electrosem LLC | Epic Charging | FreeWire Technologies | GRIDWIZ | Insight Energy Ventures LLC dba Powerley |
| DNV GL | Elocity Technologies Inc. | EPSA [former CELSIA] | Fuji Electric Co., Ltd. | GridX, Inc. | Inspeerity |
| Doosan | Embertec USA LLC | eSmart Systems | Fujitsu Limited [also Labs of America] | GSE LLC | Institute For Information Industry |
| Driivz Ltd. | Emerson-White Rodgers | ESP | GD Midea Air-Conditioning Equipment Co., Ltd. | Hangzhou Telehems Electronics Technology Co.,Ltd | InTech Energy |
| E-Gear, LLC | Encored | Essency | GE Appliances | Harvest Thermal | Intellastar LLC |
| e-Power Solutions Co. | Encycle | EV Connect, Inc. | GE Vernova | HawkenIO | Intelligent Energy Solutions LLC / MidAmrican Energy Solutions |
| Earth Networks | Enel X [EnerNOC / Electric Motor Werks] | EV Range | Generac Grid Services LLC | Hitachi, Ltd. | Intellihot Inc |
| Eco Automation | Eneres Co., Ltd. | EVBox (formerly Everon former EVBox BV) | GismoPower LLC | Honeywell | Intellilum, Inc. |
| Eco2 Systems LLC | Energport Inc. | EverCharge | Goal connect Co.,Ltd. | HUGEMORI CORPORATION | Intertek |
| ecobee | EnergyHub | EvGateway | Green Action Studio | Hypercharge Networks Corp | Itron |
| EcoFactor | Enernet | EvoCharge | GreenFlux Assets BV | IC Systems | Johnson Controls / CPower |
| Ecogy Energy | EnerNOC Inc. | Evoke Systems | Greenlots | IDEAL INDUSTRIES, INC. | Kaluza |
| EIPGRID Inc. (formerly I-ON Communications Co., Ltd.) | Enersponse | EVPassport | Greenphard Energy Inc. | iesMACH | KIGT Inc. |
| ElecONE Inc. | EnerSys | Exergy Controls | Grid Solutions (formerly Nishihara) | IHI Energy Storage | Kitu Systems |
| Electric Era Technologies | Enestone | Faberwork, LLC | GridBeyond, LLC | In-Charge Energy | KnGrid |
| Electric Motor Werks, Inc | Engie Storage [former Green Charge Networks] | Far EasTone Telecommunications Co., Ltd. | GridFabric LLC | Inda-Gro Induction Lighting | Kyocera |
| Electric Power Research Institute, China Southern Power Grid | EnjoyElec | Fermata Energy | GridNavigator | Industrial Technology Research Institute of Taiwan, R.O.C | Lancium LLC |
| Electricity Generation and Retail Corporation trading as Synergy | Enlighted Inc | Flipturn | GridPoint | Inergy Systems | Landis+Gyr |
| Electriq Power | EnPowered | Fortress Power | Gridscape Solutions | Ingersoll Rand-Trane | LBNL |
| | EnTouch Controls | FranklinWH Technologies Co., Ltd. | | innogy eMobility | Legrand |

Membership



| | | | | | |
|--|--|--|--|--------------------------------------|--|
| Lennox International | NaoDigital | NRG Energy, Inc | Pointfar Automation LLC | Renewable Japan Co.,Ltd. | Small Planet USA LLC |
| LG Electronics Inc. | NAONWORKS | NURI FLEX | Pelican Wireless Systems | REstore | SMSOFT |
| Liberty Plugins Inc. | National Cheng Kung University | Nuri Telecom | Philips | RF Controls | Sol-Ark, LLC (aka)-Portable Solar LLC |
| LiteTrace | National Electronics and Computer Technology Center (NECTEC) | Observant | Phoenix Energy Technologies | Rheem Manufacturing Company | SolarPilot Energy |
| Locbit, Inc. | Navien Inc. | Oi Electric Co., Ltd. | PLATFORMICS INC. | Rinnai | Solo Energy Limited |
| Logistics Energy Korea Company, Ltd. | ndustrial.io | Olivine, Inc. | Plimoth Bay Controls, LLC | Rinnai New Zealand Ltd. | Spokane Edo LLC |
| Loop, Inc. | NEC Corporation | OMRON Corporation | Polaris Energy Services | Saascharge, Inc. | SRP Salt River Project |
| LUMHOUSE ENERJI SANAYI VE TICARET ANONIM SIRKETI | NEC Engineering, Ltd. Is now Platforms | OpConnect | Power X, Inc | Second Foundation Tech a.s. | Standard Euler, Inc. (d.b.a Flair) |
| Lunera Inc. [Former Lunera Lighting] | NExT-e Solutions Inc. | Open Access Technology International, Inc. | PowerFlex Systems, LLC | SemaConnect, Inc | Steffes ETS, LLC |
| Lutron Electronics Co., Inc. | NextDrive Co. | Open Systems International Inc | PowerPump | Serious Controls | Stonewater Controls |
| Manageon | NextEra Analytics LLC | OpenRoad Technologies Inc. | Powertech Labs Inc. | Shadow Power | STRATIS IoT, Inc. |
| MaxLite Inc. | Nhu Energy, Inc. | OPUS ONE SOLUTIONS | Prescriptive Data Inc | Shell | Sumitomo Electric |
| MEIDENSHA CORPORATION | NIPPON KOEI Energy Solutions CO.,LTD. | Orange Charger | Pro1 IAQ, INC | Shenzhen ELECQ Technology Co., Ltd | Sunnovations Inc. |
| MeiRok, LLC | Nippon Telegraph and Telephone Corp. | Osaki Electric | Quality Logic | Shifted Energy | SunPower Corp. |
| Metergram | NISHIMU ELECTRONICS INDUSTRIES Co. Ltd. | OSRAM LTD [Digital Lumens Inc.] | QUARGE TECHNOLOGIES LLC dba EVCHRON | Shimmer Industries, Inc | Sunverge Energy Inc. |
| Micro-Star INT'L CO., LTD. | Nissin Systems Co., Ltd. | Pacific Gas & Electric | Quby International | ShirokumaPower Co., Ltd. | Swell Energy |
| Mitsubishi Electric Corporation | Noodoe Inc | Packetized Energy | RAB Lighting | Shizen Connect | SWTCH Energy Inc. |
| MOEV Inc. | Nostromo Energy | Panasonic | Re:Power Inc. | Siemens Canada Limited | Synop |
| Monta | | Parsons (formerly IPKeys) | Recargo, Inc. | Silvair, Inc. | SystemNihonKyushu |
| Murata Energy Solutions Americas | | Pason Power | Relation consulting | Sinope technologies | Systems Mechanics Ltd |
| mwConnect | | PAYENERGY A DBA of | Reliable Controls Corporation | Skycentrics | Taiwan Electric Research & Testing Center (TERTEC) |
| | | | | SLAC National Accelerator Laboratory | |

Membership



| | | | | | |
|---|--|---|---------------------------------|----------------------------------|---------------------------------------|
| Taiwan Testing and Certification Center | ThinkEco | TTA (Telecommunications Technology Association) | University Carlos III of Madrid | Voltus, Inc. | Yardi-Enerliance |
| TAKAOKA TOKO CO.,LTD | TIS Inc. | Turntide Technologies, Inc. [former Riptide IO Inc] | University of Southern Denmark | Wanbang Digital Energy Co., Ltd. | Yokogawa Solution Service Corporation |
| tekmar Control Systems Ltd. | Toinx Co., Ltd. | Typhoon HIL Inc. | Vaughn Thermal Corporation | WattEV | ZEF Energy Inc. |
| Telkonet, Inc | TOSHIBA Corporation | UL LLC | Veloce Energy Inc | Wevo Energy Ltd | Zen Within Inc. |
| Tellus Power | TOYOTA TSUSHO CORPORATION | Unilectric, LLC | Venstar Inc. | WiSilica Inc | Zero Impact Solutions |
| Tennessee Valley Authority | TRC Companies [former Lockheed Martin] | Universal Devices Inc. | Ventyx / ABB | Wooam, Inc. | Zerova Technologies Taiwan Limited |
| TeraWatt Infrastructure | TrickleStar Inc. | Universal Electronics Inc | Virtual Peaker | XCSpec, Inc. | Zevtron |
| THG Energy Solutions, LLC | Trilliant | | VITO | Xeal Energy | 株式会社 e 電力ソリューションズ |
| | | | Volta Charging, LLC | XiO, Inc | |

Adopter members:

| | | | | | |
|------------------|--------------------------------|--|---|---|---------------------------------------|
| Adnet d.o.o | E.ON Energistribution AB | KETI | Electric Cooperative | Resillion [former Eurofins Digital Testing] | Vermont Public Power Supply Authority |
| CSA Group | ETC | Korea Electrotechnology Research Institute | NV Energy Inc. | Sacramento Municipal Utility District | TUV Rheinland Japan Ltd. |
| EDF R&D | ETRI | London Hydro | Research Center of Energy, Conservation for New Generation of Residential, Commercial, and Industrial Sectors | STEM Inc | |
| ElaadNL | Hawaiian Electric Company | Énergie NB Power | | Transpower | |
| Energy Solutions | Internet Initiative Japan Inc. | New Hampshire | | | |