



OpenADR Alliance Virtual Summit

WELCOME

Rolf Bienert – Managing Director
Shannon Mayette – Marketing Director
Don Dulchinos – Director Market Facilitation



Round Table EV Charging

Thank you for attending!
327 registered attendees from all over the world.

Recordings and Slides will be posted at
<https://www.openadr.org/summit>



Housekeeping Items



- All attendees will be in listen only mode
 - Please use the “Questions” tool to submit your inquiries
 - In some sessions we may open up your line after you “Raise Your Hand”
- The recordings will be posted on the Alliance’ website
- Follow along with the agenda at <https://www.openadr.org/summit>
- Any follow up questions can be sent to info@openadr.org or directly to one of us

We Are Hopeful



Opening Keynote

- Noel Chrisostomo, CEC, Transportation Electrification

Load Management Rulemaking

- Draft Staff Analysis of Potential Amendments to the Load Management Standards
- <https://efiling.energy.ca.gov/GetDocument.aspx?tn=237283>

Introductions

Contact:

Rolf Bienert

Managing & Technical Director OpenADR Alliance

rolf@openadr.org

Education Programs

Don Dulchinos

don@openadr.org

Marketing

Shannon Mayette

shannon@openadr.org

Alliance Status & Updates - Administration

- Alliance is in a good financial position
 - >3 years run rate
- Added 31 members since the beginning of the lockdown – From appliance manufacturers – EVSE – Storage. **175 members**
- Added 42 new certified systems. **232 total**



Alliance Status & Updates – Board of Directors

- Mark Martinez and Ted Tayavibul – SCE
- Mary Ann Piette – LBNL
- Albert Chiu – PG&E
- Jamie Coffel – Honeywell
- Robert Nawy and Jim Boch - IPKeys



International Updates

- Europe is progressing!
 - EV charging is accelerating many projects
 - Working with Stadtwerke (municipal utilities) to establish use cases
 - Looking at other possible
- UK is creating an appliance standard PAS 1878 (Energy smart appliances)
 - Includes OpenADR as the connection standard
 - Under review
 - Publication is scheduled for April 29, 2021

Adoption: Selected Utility Deployments

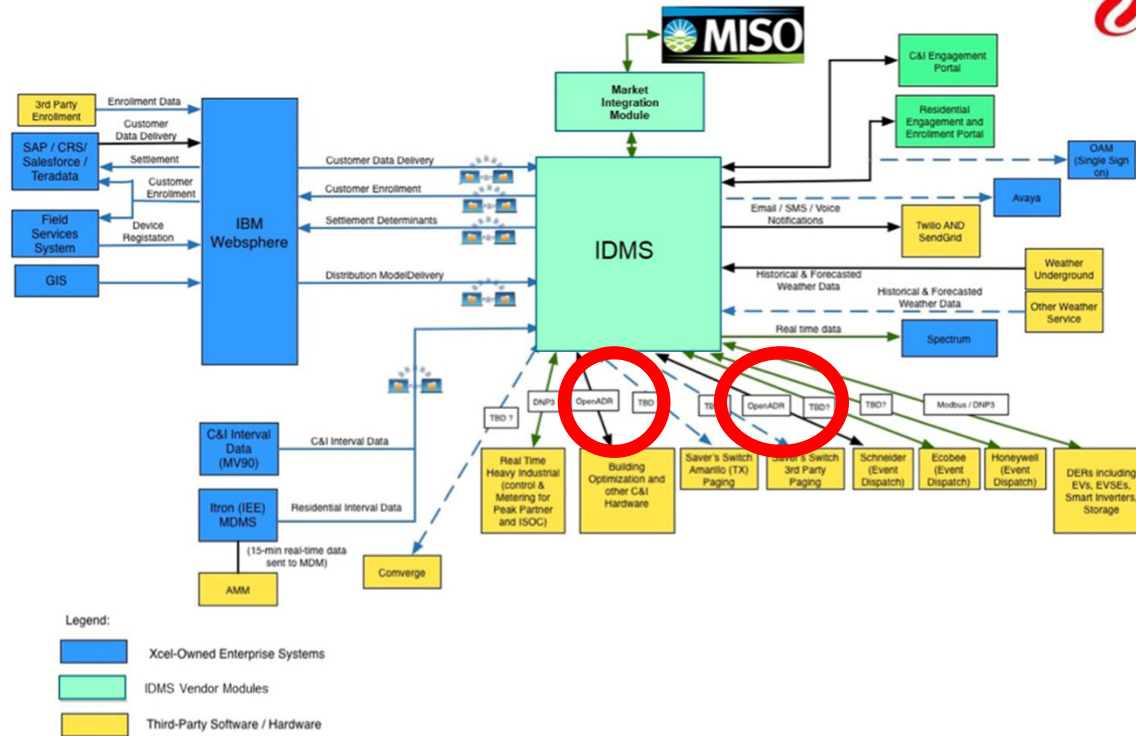
- SCE - DR Programs; EV Pilots, Heat Pump Water Heater Laboratory
- PG&E - DR Programs, EV study/survey, including OpenADR usage
- Xcel Energy - Building Optimization, other C+I; Residential Savers Switch Program
- Con Ed – recommend for DR programs, require for Storage Resources
- Eversource - Storage Resources
- TVA – Managed EV charging with partners EV Connect, Fleet Carma
- Avista – Managed EV charging with partner EV Connect

Adoption: Utility Deployments - Europe

- CPOs who implemented OpenADR
 - Utilities: Stromnetz Hamburg, National Grid
 - Networks: ChargePoint, Parkstrom
 - Oil and Gas: Shell/ New Motion; Total/ DES
 - Curbside charging: ubitricity

Adoption: Recent architecture review

IDMS Integration Architecture



Source: PLMA

Adoption: Survey

- Southern California Edison (SCE) is conducting an industry survey to characterize the market adoption of the OpenADR communications protocol in the electric industry. The work is being conducted by Energy Solutions in collaboration with the OpenADR Alliance.
- The objective of the study is to provide an up-to-date assessment of the currently active OpenADR deployments, detailing the jurisdictions and equipment types of these deployments, and quantifying the controlled MW and number of connected end nodes and devices.
- The information, when finalized, will be shared with industry stakeholders later this year.
- The first group was contacted on March 15.
- For more info or to participate in the survey email survey@openadr.org

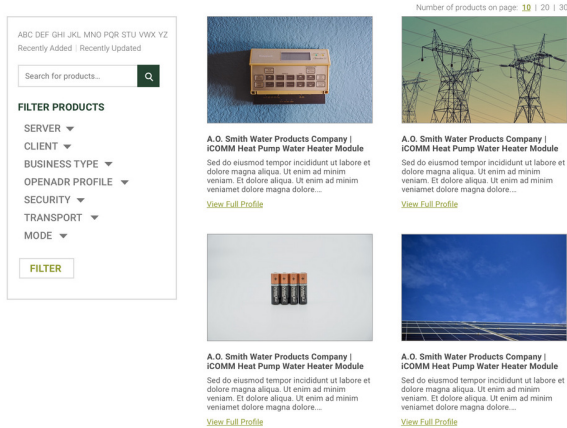
Alliance Status & Updates – Liaisons and Initiatives

- European Initiatives
 - OCPP – Liaison discussions
 - EEBus - Liaison to define combined architecture
 - CEN/CENELEC – Applied for liaison membership – EV-to-Grid working group
 - IEC – Still in maintenance period – IEC 62746-10-1
 - DKE Germany – looking for supporters



Alliance Status & Updates – CTA-2045 Certification

- OpenADR Alliance will manage the CTA-2045 certification program
- Will follow OpenADR process
- New web listings page



Bonneville
POWER ADMINISTRATION



Alliance Status & Updates – Upcoming Activities

- California is working on a price distribution system
 - Only price distribution based on tariffs
 - Receiver can be simple, no action
 - Reduced function set certification profile
 - Alliance is supporting the CEC
- Establish a live test server
 - Alliance sees a need to make a live test server available
 - Need to manage cost and maintenance
 - Currently reviewing already available test servers
- Keeping an eye on: JSON, security certificates, new GreenButton specification, and other requirements





Marketing Update

Virtual Summit 2021



Marketing Initiatives for 2021

- Grow awareness of OpenADR
- Drive membership growth
- Promote OpenADR certified products
- Continue market education and promotion of OpenADR technology
- Marketing/PR outreach



Recap

2020

- Press Release: OpenADR Alliance Sees Strong Global Adoption of OpenADR Standard for DER and EV Charging
- In-person member booth at DistribuTECH 2020
- Still managed to participate and speak in almost a dozen virtual industry related events.
- Released and promoted white paper DER Control and How to Implement Smart Inverter Management with OpenADR
- Hosted and promoted several global webinars. The webinar topics and recordings can be found at <https://www.openadr.org/webinar-series>
- Worked closely with industry partners including LF Energy, a Linux Foundation to jointly announce their latest project, openLEADR.
- Blogs –highlighting member success with OpenADR 2.0 DER Program Guide/Certification featured on OpenADR website

2021

- Virtual OpenADR Industry Event - Press Release/Email campaign/Social Media- LinkedIn/Twitter
- Continue education and webinar series
- Blogs from OpenADR and members
- OpenADR Thought Leadership mini e-book – planning phase
- In-person events in Fall of 2021

Member News



Canvas
OpenADR VTN

Plaid
OpenADR VEN

EVs and OpenADR in 2021

OpenADR for Electric Vehicle charging is currently in the market seeding phase, preparing for large scale load shifting programs in the near future

3 minute read • Feb 9th, 2021

IPKeys Launches Energy Demand Management Portal 2.0

Enables lucrative financial rewards to commercial and industrial (C&I) enterprises by providing cyber secure energy management and information portal; huge potential for increased incentives in large metros, especially New York City.

NEWS PROVIDED BY
[IPKeys Power Partners](#) →
Jan 12, 2021, 09:00 ET

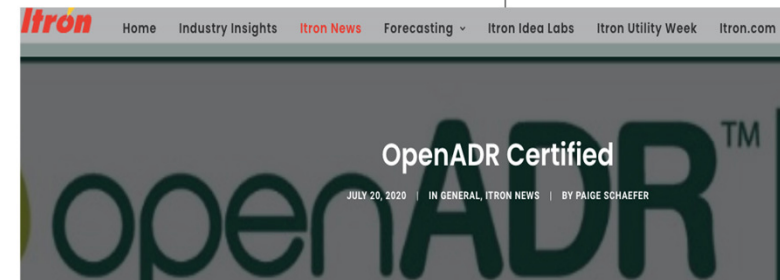
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Covid-19 & Looking Ahead to 2021 and Beyond, Insights From Electriq Power

Q&A with Aric Saunders EVP of Sales and Marketing | Electriq Power

02/17/21, 05:21 AM | EVs and Fuel Cells, Energy Storage & Grids | Electriq Power | covid



OpenADR (Automated Demand Response) is an open, highly secure, two-way information exchange model and global Smart Grid standard. OpenADR standardizes the message format used for Auto-Demand Response (DR) and Distributed Energy Resource (DER) Management so that dynamic price and reliability signals can be exchanged in a uniform and interoperable fashion among utilities, ISOs, energy management and control systems.

OpenADR in the News

Energy management code goes open source

October 28, 2020 // By Nick Flaherty

0 Comments

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Energy management code developed in the Netherlands is being extended across the open source movement through LF Energy

Smart Grid: How to Integrate Buildings for Maximum Benefit



Smart Grid: How to Integrate Buildings for Maximum Benefit

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LF ENERGY LAUNCHES OPENLEADR TO STREAMLINE INTEGRATION OF GREEN ENERGY FOR DEMAND SIDE MANAGEMENT



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OpenADR in the News

NEWS

Enel X Launches Next-Gen Smart EV Charging Products at CES 2020

January 09, 2020 by Paul Shepard

Enel X, the Enel Group's advanced energy business line, launched its next generation of smart EV charging stations at the 2020 Consumer Electronics Show (CES 2020) to speed the adoption of electric vehicles and support the decarbonization of the energy and transportation sectors. The North American product line builds off of its flagship charger, the JuiceBox® 40, which has held best-seller status on Amazon for the last five years, and includes a suite of new charging stations: JuiceBox 32, 40, 48 and 80.

The new JuiceBox Level automakers and utilities faster than a standard I

OpenADR standard for DER and EV charging gaining adoption, alliance says



The OpenADR Alliance, a nonprofit corporation created to foster the development, adoption and compliance of the OpenADR communications standard, today announced significant progress in global market adoption of the OpenADR standard for use in effectively and securely managing distributed energy resources (DER) and Electric Vehicle Support Equipment (EVSE) in existing grids. Alliance membership over the last year has grown to over 150 members with more than a third of the new members in the EVSE industry.

Noodoe EV Activates All New Cloud based OS For 2020 at CES - New Functionality Includes OpenADR 2.0b Certification

Noodoe EV, a global leader in electric vehicle (EV) charging technology, will highlight its all new EV OS and OpenADR 2.0b certification as part of the Taiwan Excellence Booth at the Consumer Electronics Show January 7-10, 2020 in Las Vegas. Noodoe EV's booth is located at LVCC South Hall 4 - Booth 36021.

LOS ANGELES (PRWEB) JANUARY 03, 2020

Noodoe EV, a global leader in electric vehicle (EV) charging technology, will highlight its all new EV OS and OpenADR 2.0b certification as part of the Taiwan Excellence Booth at the Consumer Electronics Show January 7-10, 2020 in Las Vegas. Noodoe EV's booth is located at LVCC South Hall 4 - Booth 36021. Registration for demos of the new EV OS can be found at <http://www.noodoe.com/ces-meeting-registration>. In 2019 Noodoe saw a record number of orders for its charging stations in the US.



Noodoe EV CEO Jennifer Chang



Industry Events Calendar 2021

OpenADR Virtual Summit	March 23-24	Virtual
OpenADR Europe Webinar (Part 2)	April 8	Virtual
OpenADR Japan	April 21 in US	Virtual
PLMA 43	May 10-12	Virtual – OpenADR is a sponsor and hosting AZ focused panel session
DTECH+ Virtual Series	July 21 st	Panel session: Beyond the Plug: How Automotive OEMs are Changing the Scope for Utility EV Programs
SPI New Orleans	Sept. 20-23	In person 10x10 booth
PLMA 44	Nov. 8-10 Baltimore	In person
Enlit Europe	Nov. 30- Dec. 2, 2021 Milan, Italy	In person booth
DTECH 2022	Jan. 25-28, 2022 Dallas TX	In person 10x20 booth

Thank you!

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