



V2G: Are we there yet? The state of enabling technology, standards, policy and processes



The 6th edition of the **V2G Business, Policy & Technology Forum**, October 21-23, 2025 in Detroit brings together top industry players, working groups, utility professionals and others who are focused on the successful development and implementation of vehicle-to-grid in the United States.

Building on the success of previous editions, the Forum offers a neutral venue in which different V2G stakeholders can come together to work on accelerating V2G standardization and adoption in North America.

The goal is to examine obstacles and challenges to effectively achieving the potential of V2G, and to identify appropriate solutions and implementation success strategies for grid operators and other stakeholders across market verticals.

The Fall 2025 edition will take a special look at the state of enabling technologies for V2G, including standards progress, interoperability issues, residential and fleet charging, integration with V1G infrastructure, and more. In addition to in-depth presentations and panel sessions, the Forum will include breakout roundtable discussion in which attendees can interact in small groups to examine key topics.

If V2G is important to the future of your organization, you are encouraged to take part in these discussions.

"Great! Didn't think I could learn much more on the topic but the Forum was very enlightening."

- Joshua McDonald, Consulting Engineer, Southern California Edison

"Excellent conference. Gathering of so many diverse experts provided a clearer statement of problems and gaps but above all focused on solutions. Great networking!"

- Bjoern Christensen, Managing Director, Next-Dimension Advisors



<http://v2gforum-sgo.com>

Organized by:



V2G Demos



The Forum in October will include an exhibition area in which organizations are encouraged to showcase technology advancements, device and equipment demonstrations related to standardization of V2G technologies. Exhibitors will receive adequate floor space to accommodate equipment and displays. ACM's facilities include testing bays with power and garage doors to enable bringing vehicles into the demonstration areas.

The conference will be held at the [American Center for Mobility \(ACM\)](#) in Detroit, which features extensive infrastructure for equipment demonstrations and exhibits, supported by a 90-MW

DTE Energy substation on site and both six 208 V and six 480 V outlets for charger systems. There will also be a live interconnection with the DTE grid, to enable operational V2G systems in real time.

Exhibitors will have the opportunity to showcase their V2G technology leadership and innovations to key industry executives attending the 3-day Forum. As an official EV interoperability demonstration lab site supported by the U.S. DOE, ACM has the goal of driving grid-integrated EV charging and widespread deployment of interoperable solutions in North America.

Research and interoperability testing of V2G technology is on ACM's roadmap and this event is an opportunity to accelerate the realization of that goal for ACM, further accelerating the development and adoption of standardized, scalable V2G technology. Participating in this exhibit at the V2G Forum is a unique opportunity to participate in this sector-leading ACM showcase and their associated initiatives. |

Any company ready to demonstrate standards-based V2G technology is invited to submit an expression of interest to dcoran@v2gforum.com

Technologies appropriate for showcasing within the demos include:

- Bidirectional charger advancements meeting grid interconnection requirements (US, EU or other grid codes)
- DERMS with V2G capabilities based on standardized communications and functional technologies
- Simulation and emulation for V2G standards-based Use Cases
- V2G test systems and tools supporting IEEE 2030.5, OCPP 2.1, J3072, IEEE 1547, ISO 15118-20 Amend 1, ISO 15118-2 Edition 2, CHAdeMO 2.0, 3.0 and Chaoji, UL 1741 SC testing, simulations and analysis
- V2G-DC and V2G-AC CA Rule 21 interconnection process advancements
- CNO/CPO systems supporting standardized V2G
- V2G cybersecurity device and end-end standards demonstrations
- Any demonstrations should include certified, pre-certified or prototype implementations of the existing and emerging standards for V2G
- Standards harmonization and international coordination for V2G

Speaking Opportunities

The V2G Forum is designed to provide industry practitioners with a neutral, objective venue in which to discuss the issues facing vehicle-to-grid (V2G) deployment and identify potential solutions. The Forum includes in-depth business and technical presentations, as well as panel discussions and stakeholder workshop / roundtable sessions. The goal is to facilitate open discussion of pertinent issues across stakeholder groups, as well as foster collaboration on potential strategies for moving forward effectively in a unified manner.

For the October 2025 program, individuals who wish to deliver a stand-alone presentation or organize a panel session are invited to submit the following:

1. Name of speaker(s), title, company, and contact information
2. Presentation title (or title of panel or roundtable)
3. Abstract and objective of presentation or session (150 words)
4. Speaker or panelist biographies and photos
5. Bullet list of 3-4 Key Learning Points from the presentation or panel session
6. Session type (from list above)

Proposals should be emailed to speak@v2gforum.com

Topics to be addressed during the Forum include:

- Quantifying and communicating value of V2G to utilities and customers
- Getting over the finish line: How do we accelerate
- What states are being successful with V2G and why
- Utility readiness for V2G
- V2G use cases and pilot/demo projects
- Heavy duty vehicles and V2G: trucks and buses
- Costs and feasibility of V2G installation
- Addressing regulatory and policy roadblocks
- Enhancing customer experience and acceptance
- Vehicle to Home (V2H) requirements vs V2G/V2B
- Alignment of requirements at the federal level
- Accelerating V2G in the emerging charging standardization regime
- The coming or stated EVSE/EV communications mandates in CA and U.S. DOT
- Mapping the migration path from V1G to V2G
- Achieving end-to-end standards, certifications and interoperability for V2G
- Gap analysis and integration of competing industry standards
- V2G-AC vs V2G-DC vs Split Inverter model
- Cybersecurity considerations in V2G
- Reconciling U.S. and European charging-related technologies, standards, regulations, and/or stakeholder expectations
- Battery impact: Addressing battery issues, used vehicles, and risks
- Optimizing interconnection speed, scaling and ease of use
- Enhancing visibility of DER resources
- Handling simultaneous discharge from multiple EVs and DERs

For further information or to discuss a possible presentation, please [contact us](#).

About the Organizer



[The Smart Grid Observer](#) is an online information portal and weekly e-newsletter serving the global smart energy industry. SGO hosts a number of conferences each year focused on issues of high relevance for the global clean energy industry. The goal is to foster information exchange and high-quality, one-to-one networking among industry professionals. Topics include EV charging infrastructure, grid modernization, V2G, cyber security, microgrids, EV battery innovation and more.

For a list of upcoming and recent Forums, [click here](#)

Sample Attendee Feedback



"Very informative. The ability to talk to experts in the field as well as meet potential partner was the most valuable aspect"

- Shannon Anderson, Senior Planner, EV Infrastructure and V2X Strategy, Nissan North America

"Everything was well organized, ran smoothly, and was on time. Lots of great discussion"

- Sammy Nabahani, Solutions Engineer, WeaveGrid

"Really glad I attended -- good connections and ideas"

- Gregory Kresge, Senior Manager, Utility Engagement and Transportation Electrification, World Resources Institute



"Excellent. The wealth of experience present was terrific, breakout sessions helpful, and networking was essential"

- Brian Gregory, Compliance Leader, Emporia Energy

"A great conference to hear from industry-leading contributors and the advancement and needs of the V2G community. Additionally, a good networking space."

- Nathan Wang, Product UL Solutions

"Great to see people in person who are highly involved in V2G"

- Yukihiro Hatagishi, EV Electronics Lead / V2X OBC, Diamond Electric Mfg. Corporation



"Great attendance and mix of attendees"

- Russel Vare, Auto OEM Partnerships, Kaluza

"Excellent, outstanding! Relevant, focused and high-value"

- Ted Witham, PE, Eaton Corporation

Past Participants Include

ABB E-Mobility
AIO Electric
Alliance for Automotive Innovation
American Center for Mobility
Autel Energy
Automotive OEM
BC Hydro
BMW AG
BorgWarner Inc
California Air Resources Board
California Energy Commission
CALSTART
CHAdemo NA
Chariot Energy
Chrysler Group LLC
Customized Energy Solutions
CybSecBCML
dcbel
Dean Taylor Consulting
Dejalytics Inc.
DEKRA SE
Delta Electronics
DER Security Corp
Derapi
Diamond Electric
Department of Energy Vehicle Technologies Office
DTE Energy
Eaton
ElaadNL
Electric Power Research Institute
eMobility Advisors
Emporia Energy
Energy and Environmental Economics, Inc.
Energy Profit LLC
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Honda
Hoosier Energy
Idaho National Laboratory
IEEE
IEMS
Innovation Core SEI
Integrant Analytics Ltd
Interstate Renewable Energy Council (IREC)
Kaluza
Keysight Technologies
Kitu Systems
Landis+Gyr
Lucid Motors
Lumian Foundation
Mercedes-Benz R&D North America
Michigan Energy Innovation Business Council
National Grid
National Renewable Energy Laboratory (NREL)
Next-Dimension
NineDot Energy
Nissan North America

Nuvve
Pacific Gas and Electric
Pacific Northwest National Laboratory
Paratelic Ventures
Peninsula Clean Energy
PG&E
QCells
QualityLogic
Quanta Technology
Rhombus Energy
Rimot
S&P Global
Salt River Project
San Diego Gas & Electric
Siemens
SMA America
Smart Electric Power Alliance
SMUD
Southern California Edison
Stellantis
Sunnova
Sunrun
TeMix Inc.
Tesla
The Climate Center
The Mobility House
Toyota
U.S. Department of Energy
UL
University of Delaware
Utilidata
Vehicle-Grid Integration Council
WeaveGrid
WiTricity Corporation
World Resources Institute
Xcel Energy

Sponsorship Options

Platinum - \$6,500

- Recognition as official Lunch, Wi-Fi or lanyard sponsor (website, onsite signage and tent cards)
- Tabletop exhibit space
- Booth space in V2G demo area
- 4 complimentary passes
- Top-level logo visibility on event website and in all marketing communications
- Top-level logo recognition throughout the conference, during breaks and session introductions
- Virtual Exhibits display page / booth (available for full year after close of Summit)
- Opportunity to help guide overall program
- White paper or executive interview published on event website
- Attendee list
- Special introductions and one-to-one meetings facilitated by SGO
- Corporate description with link on Sponsors page
- Post-conference communication with attendees

Gold - \$4,500

- Recognition as official Coffee Break sponsor (website, onsite signage and tent cards)
- Tabletop exhibit space
- Booth space in V2G demo area
- 3 complimentary passes
- Attendee list
- Virtual Exhibits display page / booth (available for full year after close of Summit)
- Special introductions and one-to-one meetings, facilitated by SGO
- Logo visibility on event website and in all marketing communications
- Logo recognition throughout the conference, during breaks and session introductions
- Corporate description with link on "Sponsors" page
- Post-conference communication with attendees

Silver - \$3,500

- Tabletop exhibit space
- Booth space in V2G demo area
- 2 complimentary passes
- Attendee list
- Virtual Exhibits display page / booth (available for full year after close of Summit)
- Prominent logo visibility on event website and in all marketing communications
- Prominent logo recognition throughout the conference, during breaks and session introductions
- Corporate description with link on "Sponsors" page

Bronze - \$2,500

- 1 complimentary pass
- Attendee list
- Virtual Exhibits display page / booth (available for full year after close of Summit)
- Prominent logo visibility on event website and in all marketing communications
- Prominent logo recognition throughout the conference, during breaks and session introductions
- Corporate description with link on "Sponsors" page

To arrange your participation, contact:

Daniel Coran, Program Manager, dcoran@smartgridobserver.com, +1-815-310-3343

Event Partners



Alliance for
Transportation
Electrification

Founded in late 2017, the [Alliance for Transportation Electrification](http://www.evtransportationalliance.org) is a nonprofit trade association uniting a broad coalition of utilities, manufacturers, electric vehicle supply equipment vendors, engineering firms and others to promote electric vehicles in state-level policy across North America. Visit www.evtransportationalliance.org



[Vehicle Grid Integration Council \(VGIC\)](http://www.vgicouncil.org) is a national 501(c)(6) membership-based advocacy group committed to advancing the role of electric vehicles and smart EV charging through policy development, education, outreach, and research. Visit www.vgicouncil.org

Electric
School Bus
INITIATIVE



WORLD
RESOURCES
INSTITUTE

In collaboration with partners and communities, WRI's Electric School Bus Initiative aims to build unstoppable momentum toward an equitable transition of the entire U.S. school bus fleet to electric by 2030, bringing health, climate and economic benefits to children and families across the country and normalizing electric mobility for an entire generation. For more information on the Initiative, visit www.wri.org/initiatives/electric-school-bus-initiative



Founded in 1972, [EPRI](http://www.epri.com) is the world's preeminent independent, non-profit energy research and development organization, with offices around the world. EPRI's trusted experts collaborate with more than 450 companies in 45 countries, driving innovation to ensure the public has clean, safe, reliable, affordable, and equitable access to electricity across the globe. Visit www.epri.com



SUNSPEC
ALLIANCE

The [SunSpec Alliance](http://www.sunspec.org) is a trade alliance of more than 170 solar and storage distributed energy industry participants, together pursuing information standards to enable "plug & play" system interoperability. SunSpec standards address operational aspects of solar PV power and energy storage plants on the smart grid -- including residential, commercial, and utility-scale systems. Visit www.sunspec.org



AMERICAN CENTER FOR MOBILITY
SAFE. SUSTAINABLE. SECURE.

The [American Center for Mobility](http://www.acmwillowrun.org) offers a one-of-a-kind global development center to transform the way industries advance safe, sustainable, and secure mobility technologies. Our vision is to enhance the quality of our lives through the enablement of future mobility solutions. ACM's approach is to achieve growth and prosperity for our ecosystem through partnerships. Visit www.acmwillowrun.org



For over 40 years, IREC has made clean energy possible for millions of Americans through cutting-edge solutions that advance renewable energy, electric grid modernization, and energy efficiency. Today, our work continues in response to the urgent need to transition to clean energy -- to mitigate climate change, improve the resiliency of our communities, and ensure all people benefit from a just transition to a clean energy future. Visit www.irecusa.org

Registration

Early Bird Main Conference, Standard Rate - Equipment and software providers, consultants, and services providers <i>Available until September 19, 2025 - \$995.00 thereafter. Access to sessions on October 22-23, including lunches, networking coffee breaks, and exhibits/demos. Access to drink receptions on October 21 and 22. Copy of presentation PDFs and attendee list</i>	\$895.00
Early Bird Main Conference – utilities, academic, government and non-profit organizations <i>Available until September 19 - \$795.00 thereafter. Access to sessions on October 22-23, including lunches, networking coffee breaks, and exhibits/demos. Access to drink receptions on October 21 and 22. Copy of presentation PDFs and attendee list</i>	\$695.00
Early Bird Conference plus workshop, Standard Rate - Equipment and software providers, consultants, and services providers <i>Available until September 19 - \$1,390.00 thereafter. Includes access to workshops on October 21.</i>	\$1,290.00
Early Bird Conference plus workshop – utilities, academic, government and non-profit organizations <i>Available until September 19 - \$1,190.00 thereafter. Includes access to workshops on October 21. Note: .org, .edu or .gov email address required for non-utility registrants</i>	\$1,090.00
Early Bird Workshops only <i>Available until September 19 - \$595.00 thereafter. Access to workshops and drink reception on October 21</i>	\$495.00

Register securely online at

<http://v2gforum-sgo.com/register>