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.

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Organized by: SGO Smart Grid Observer

http://v2gforum-sgo.com

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
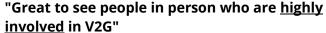- Standards harmonization and international coordination for V2G

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"

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

"Excellent. The wealth of experience present was terrific, beakout 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 <u>highly involved</u> in V2G"

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

"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

"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
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Dejalytics Inc.
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Delta Electronics
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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)
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SMA America
Smart Electric Power Alliance
SMUD
Southern California Edison
Stellantis
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Sunrun
TeMix Inc.
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The Climate Center
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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:

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Event Partners

Founded in late 2017, the Alliance for Transportation Electrification 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) 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

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 normalizingelectric mobility for an entire generation. For more information on the Initiative, visit www.wri.org/initiatives/electric-school-bus-initiative

Founded in 1972, EPRI 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

The SunSpec Alliance 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

The American Center for Mobilityoffers 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 *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*	$895.00
Early Bird Main Conference – utilities, academic, government and non-profit organizations *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*	$695.00
Early Bird Conference plus workshop, Standard Rate - Equipment and software providers, consultants, and services providers *Available until September 19 - $1,390.00 thereafter. Includes access to workshops on October 21.*	$1,290.00
Early Bird Conference plus workshop – utilities, academic, government and non-profit organizations *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*	$1,090.00
Early Bird Workshops only *Available until September 19 - $595.00 thereafter. Access to workshops and drink reception on October 21*	$495.00

Register securely online at

http:/v2gforum-sgo.com/register