

POWER DRIVE

| NORTH AMERICA

Power2Drive Special Exhibit Shows Wide Range
of EVs and Charging Technologies
MOSCONE CENTER, SAN FRANCISCO

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www.PowerToDrive.us



50% OF USA PLUG-IN SALES ARE IN CALIFORNIA

| BIG CHANGES IN STORE FOR THE U.S.

The latest report from Bloomberg New Energy Finance (BNEF) expects sales of electric vehicles (EVs) to increase from a record 1.1 million worldwide in 2017 to 11 million in 2025, then soaring to a whopping 30 million in 2030, when they will be cheaper to make than conventional cars with internal combustion engines (ICE).

China is going to lead this shift, its sales accounting for almost 50% of the global EV market in 2025, dropping to 39% in 2030. Europe is going to come next at 14%, followed by the U.S. at 11%.

Nearly 50% of plug-ins in the U.S. are sold in California, and only 38% outside the 10 states with ZEV mandates, according to EVVolumes.com. Sales of plug-in vehicles grew 27% to nearly 200,000 units, and market penetration has finally crossed the 1% mark. EVVolumes.com is confident that about 400,000 units are going to be registered in 2018. Statista expects the U.S. electric vehicle market to account for around 14% of the overall car market by 2025.

A Driving Force in the EV Industry & Charging Technology!
Power2Drive – let's electrify America!



PHOTOS. Power2Drive Europe – the premier in 2018 counted 148 providers of EV batteries, charging infrastructure, electric vehicles, grid infrastructure.

| CALIFORNIA: \$738 MILLION INITIATIVE TO ELECTRIFY TRANSPORTATION

California launched a \$738 million electrification initiative in May 2018, which focused on EV charging infrastructure and delivery vehicles. According to Cleantechnica, Pacific Gas & Electric, the provider for the San Francisco Bay area, is going to invest as much as \$236 million in infrastructure, including \$22 million for 234 DC fast chargers at 52 locations in the area it services. There will be rebates available for up to 6,500 medium- and heavy-duty electric vehicles, such as trucks, cranes, and forklifts, at 700 commercial and industrial sites.

San Diego Gas & Electric is going to hand out \$137 million in rebates and installation reimbursements to allow perhaps some 60,000 customers to charge electric vehicles at home, whether they live in a single family house or a small multi-unit dwelling.

Southern California Edison (Los Angeles area) is going to distribute \$343 million. This is earmarked for rebates for up to 8,500 medium- and heavy-duty electric vehicles, as well as the infrastructure needed to keep them charged, at a total of 870 sites."

| BRINGING SOLAR POWER FROM THE ROOF TO THE STREET

The mileage you get from your own solar power depends mainly on how much energy your car uses. A photovoltaic system with a capacity of 5 kW, for instance, can provide about 5,000 kWh per year. If your electric car needs more than about 27 kWh/100 miles, it can run emission-free for roughly 1,550 miles per month.

There are now many different solutions on the market for optimizing the charging process, such as energy managers or intelligent charging stations ("wall boxes"). In addition, it can be a good idea to integrate a home energy storage system in order to use more of your own solar power, and not only for charging electric vehicles. Manufacturers have solar carports on offer to enhance the surface area of your own roof photovoltaic system – and thus increase the amount of electricity available for charging.



PHOTOS. The Power2Drive Special Exhibit in Munich showed solar powered boats, scooters and fun vehicles.

| POWER2DRIVE NORTH AMERICA – FOCUS ON CLEAN TRANSPORTATION

The special Power2Drive exhibit shows the connection between electric vehicles and a sustainable and environmentally friendly energy supply. It is a meeting place for suppliers, manufacturers, distributors and start-ups in the emerging field of electric mobility and transportation. Our goal is to help companies develop and spread technologies and business in the field of traction batteries, charging infrastructure and electric vehicles, and to help promote a future marked by sustainable mobility.

| SPECIAL EXHIBIT SHOWS WIDE RANGE OF E-MOBILITY

More and more vehicles are running on electricity, and not just passenger cars. Pleasure boats, ferries and yachts, as well as bicycles, light vehicles, special vehicles, trucks, buses and even the first airplanes and helicopters are also being electrified. These means of transportation are ideally suited to using electricity from renewable sources of energy, such as PV carports. On Level 2, exhibitors showcase a cross section of the wide range of e-mobility.

| SPECIAL EXHIBIT PARTICIPANTS IN EUROPE



| TEST DRIVE FOR E-VEHICLES

Electromobility must be experienced live! Everyone who has ever traveled by an electric vehicle knows this. Take the opportunity to show your innovative light vehicles – from the cargo bike to the longboard.

**Do you have the Power to Drive the EV Market forward?
Join the US edition in 2019!**



THE POWER2DRIVE SPECIAL
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