

Austrian Automotive Delegation to California
“Alternative Propulsion Systems and Sustainable Mobility”
California USA, Nov. 27th to Dec. 2nd, 2010

Alternative propulsion system vehicles are the future of the automotive industry; suppliers and manufacturers joining the race in developing and perfecting new technologies which will not only affect consumers, but will also affect society as a whole, having economic, governmental and also environmental impacts. The sustainable reduction of CO₂, NO₂ and particles emission is the main goal of new automotive propulsion systems for the next decades.

Saturday November 27th, 2010 or Sunday November 28th, 2010

Individual arrival in San Francisco
Suggested individual Dinner and evening at Fisherman's Wharf and downtown San Francisco

Check in Hotel Nikko San Francisco
222 Mason Street, San Francisco, California 94102
Phone: 1- 415-394-1111

Sunday November 28th, 2010

San Francisco which has one of the largest fleet of Clean urban transport systems, such as cable cars, trolley busses, street cars, CNG busses, BART, etc.

Optional program
Napa Valley Sightseeing

7:00 p.m. Official Start of Program

Welcome meeting at Hotel with Introduction and Information regarding the week's schedule.

Monday November 29th, 2010
Electro Mobility day

8:30 a.m. Departure from Hotel Nikko

10:00 a.m. Visit Better Place in Palo Alto
Better Place is working with governments, businesses and energy companies to accelerate the transition to sustainable transportation. Better place builds and operates the infrastructure and systems to optimize energy access and use for Electro Vehicles.

1:30 p.m. Visit Tesla Motors Headquarters, in Paolo Alto
Tesla produces electric cars and electric powertrains which use technology that are on an efficient path to a sustainable energy future.

Followed by a demonstration of Electrocar(s)

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- Followed by a drive to Sacramento
- on the way Presentation by former City Manager and Systems Manager, Ed Huestis of the City of Vacaville. Mr. Huestis presentation will give an overview of the City of Vacaville’s Electric Vehicle Incentive Program (EV Program). The program was designed as an incentive to offset the incremental cost of electric vehicles when compared to similarly equipped gasoline-powered vehicles. Followed by a dinner (self paid).
- app 9:30 p.m. Check in Hotel Sheraton Grand
 1230 J Street, Sacramento, CA 95814
 Phone: 1- 961-447-1700

Tuesday November 30th, 2010
US Commercial Services Government Regulations Day

An important first step to introduce zero emission vehicles is a legal framework. California established as first region in the world in the mid-nineties the zero-emission vehicles regulation and opened the market for future development. Due to this experience an appointment with authorities in Sacramento is a main part of the study trip.

- 8:30 a.m. Departure from Hotel Grand Sheraton
- 9:00 a.m. Visit California Energy Commission
 California is the world's fifth largest consumer of energy and ranks second in gasoline consumption only behind the whole United States. The Energy Commission is the state's principal energy policy and planning organization whose mission it is to assess, advocate and act through public/private partnerships to improve energy systems that promote a strong economy and a healthy environment.
- 11:00 a.m. Visit California Fuel cell Partnership
 Projects include building a consensus vision of vehicle/station rollout over the next five years, suggesting a hydrogen quality level for pending regulation and creating a database of station information to provide to FCV drivers. The automakers, energy companies, technology companies and government agencies jointly identify projects that need to happen in concert to move development forward.
 For pictures, please click here:
- 1:00 p.m. Visit Californian Air Resource Board (CARB), Environmental Protection Agency (EPA)
 The California Air Resources Board is a part of the California Environmental Protection Agency, an organization which reports directly to the Governor's Office in the Executive Branch of California State Government. Its Mission is to promote and protect public health, welfare and ecological resources through the effective and efficient reduction of air pollutants while recognizing and considering the effects on the economy of the state.
- 4:30 p.m. Southwest flight 934 from Sacramento (SMF) to Orange County (SNA)
 (appr. 110.00 USD) **can only be booked at Southwest online**

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5:55 p.m. arrive in Orange County; transport to Hotel

Check in Hotel Costa Mesa Marriott Hotel
 500 Anton Boulevard, CA 92626
 Phone 1-714-957-1100

Wednesday December 1st, 2010
Program fuel cell day

Fuel cell vehicles are electric vehicles that make electricity onboard from hydrogen and air. They fulfill the zero emission requirements and have the same usability like conventional cars with respect to range and refuel time. In California more than 200 fuel cell electric vehicles of many major car manufacturers are already used in fleets and a network of more than 20 hydrogen filling stations exists. Major companies such as Daimler and GM, are leading in this technology and cooperating with Austrian automotive suppliers.

8:15 a.m. Departure from Hotel Costa Mesa Marriott

9:00 a.m. Visit the National Fuel Cell Research Center (NFCRC) at the University of California, Irvine
 The NFCRC facilitates and accelerates the development and deployment of fuel cell technology and fuel cell systems; promotes strategic alliances to address the market challenges associated with the installation and integration of fuel cell systems.

3:00 p.m. Visit Mercedes Benz Research and Development, North America (MBRDNA) in Long Beach
 MBRDNA was founded in 1995 to focus on research, advanced engineering, product testing and new design projects. Daimler believes that one way to reduce emissions may be a mixed fleet approach that adopts hybridization, as well as natural gas and clean drive diesel along the path to zero-emission mobility.

Thursday December 2nd, 2010

8:15 a.m. Departure from Hotel Costa Mesa Marriott

9:00 a.m. Visit at AVL's alternative-fuel powertrain engineering center in Lake Forest, California
 The Austrian hybrid powertrain manufacturer AVL opens the doors for a tour of their engineering center. The facility is used for the development of prototypes and proof-of-concept work. What comes together in the Lake Forest Center will then be shipped in the company's mother country, in Graz, or at the other center operated by AVL in the US. We will take a closer look at a natural gas engine development process, alternative fuel cell test beds and the build of complete alternative fuel vehicles.

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- 1:00 p.m. Visit GM Research Facility in Lake Forest
 General Motors (GM) Lake Forest Research Facility is a test and demonstration center for GM’s clean vehicle program.
- 2:00 p.m. Visit Southern Californian Edison’s Electric Vehicle Technical Center (SCE)
 The **Electric Vehicle Technical Center** in Pomona, Calif., established in 1993 to test and evaluate electric-drive systems, battery types and infrastructure options. The SCE provides a broad range of electric transportation services, focusing on solutions for automakers, battery manufacturers, government agencies, business and industrial fleet customers, residential customers and more.
- 5:00 p.m. **End of Program**
 (at Costa Mesa Marriott)

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