

Field Trip to San Francisco

The JH2F members conducted a field trip to San Francisco with the cooperation of ARCHES, which has been selected as one of the seven hydrogen hubs in the United States by the U.S. Department of Energy (DOE), and Stanford University in California..

On the first and second days, JH2F members participated in sessions and workshops at Stanford University, gaining a deeper understanding of the U.S. clean hydrogen strategy and the latest hydrogen adoption cases. On the third day, JH2F members visited a newly established hydrogen station in Oakland.

Tuesday to Thursday, March 26th to 28th, 2024 San Francisco California

[Day1: Stanford University]



Hydrogen Markets :The Dynamics of Supply and Demand

Stanford Hydrogen Initiative

- **Panel: The Production and Supply of Hydrogen**
 - Moderator: Paul Nelson, Saoradh Enterprise Partners
 - VJ Atavane, SoCalGas
 - Katie Ellet, Air Liquide
 - Steve Kellogg, ExxonMobil
 - Kevin Kopczynski, PlugPower
- **Panel: Government Support and the Future of Hydrogen Projects**
 - Moderator: Zane McDonald, GTI Energy
 - Mona Dajani, Baker Botts
 - Kevin Peng LADWP
 - Jacob Susman, Ambient Fuels
- **Keynote: The Role of Hydrogen in Decarbonizing Energy Systems**
 - Steven Chu, Stanford University
- **Panel: Hurdles and obstacles related to increasing the supply of hydrogen**
 - Moderator: Brett Perlman, Center for Houston's Future, Inc.
 - Angela Bruneau, Chevron New Energies
 - Hazen Burford, AECOM
 - Fanny Charrier, Crédit Agricole CIB
 - Tanya Peacock, EcoEngineers
- **Keynote: Overview of U.S. National Clean Hydrogen Strategy and BIL initiatives**
 - Sunita Satyapal, U.S. Department of Energy
- **Overview: Market Indicators & Drivers for Hydrogen Demand**
 - Paul Nelson, Saoradh Enterprise Partners
- **Panel: Sectors Adopting Low Carbon Hydrogen (existing and new markets)**
 - Moderator: Jimmy Chen, Stanford Hydrogen Initiative
 - Salvador Llamas, AC Transit
 - Amita Riksen, JERA Co., Inc.
 - Ricky Sakai, Mitsubishi Heavy Industries America, Inc.
 - Hugo Wagner, Airbus Americas

Field Trip to San Francisco

Tuesday to Thursday, March 26th to 28th, 2024 San Francisco California

【Day2: Stanford University】



The Future of Hydrogen in California

- **Welcome and opening remarks**
 - Jimmy Chen, Stanford Hydrogen Initiative
- **Panel: Public and Non-Profit Sector Perspectives | The Role of H2 in California**
 - Moderator: Naomi Boness, Stanford University
 - Bill Elrick, Hydrogen Fuel Cell Partnership Tanya Peacock, Hydrogen Business Council
 - Takehito Yokoo, Japan Hydrogen Forum
- **Keynote | California's Hydrogen Hub and Beyond**
 - Angelina Galiteva, California Independent System Operator (CA ISO)
- **Panel: Showcasing Hydrogen Adoption in California**
 - Moderator: Jimmy Chen, Stanford University
 - VJ Atavane, SoCalGas
 - Erin Cooke, San Francisco International Airport
 - JT Steenkamp, Prologis

【Day3: Oakland】

FirstElement Fuel has opened North America's first public hydrogen fueling station for heavy-duty trucks and this hydrogen station can store up to 18 tons of liquid hydrogen and fuel up to 200 fuel cell trucks per day.

The project is supported by Toyota, Air Liquide, and the state of California, aiming to expand zero-emission transportation. Additionally, the station is expected to contribute to reducing hydrogen costs and stabilizing hydrogen supply.

