

# Clean Corridors and Electric Vehicle Technologies: Emerging Opportunities and Challenges

Eva Lerner-Lam, Director and General Manager Gloria Wu Eastern US Business BYD Motors, Inc.



#### **BYD: Build Your Dreams**

- BYD is the largest rechargeable battery and electric vehicle manufacturer in the world.
- BYD's "Three Green Dreams" addresses renewable energy with:
  - -- Affordable solar energy collection
  - -- Environmentally- friendly energy storage
  - -- Electrified transportation and other energy -dependent uses
- Fortune Magazine named BYD as one of the "Top Companies Changing the World" in 2015

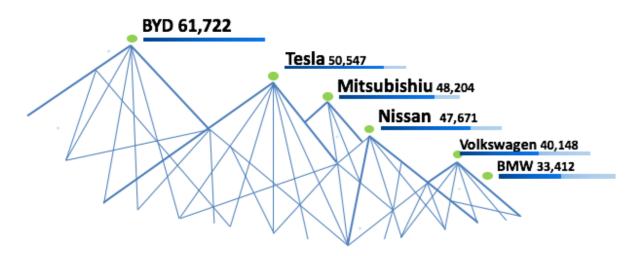


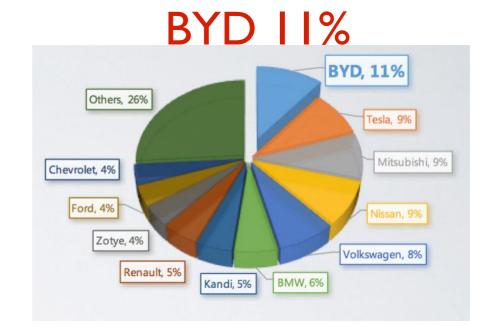




# No. | Passenger EV Sales Worldwide in 2015

BYD 61,722





Source :http://ev-sales.blogspot.com/

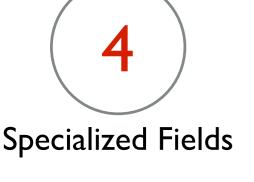
6 Continents, 50 Countries and Regions, 500 Cities





## Full Market Electrified Transportation













Warehouse

Airport

Harbor

Mining

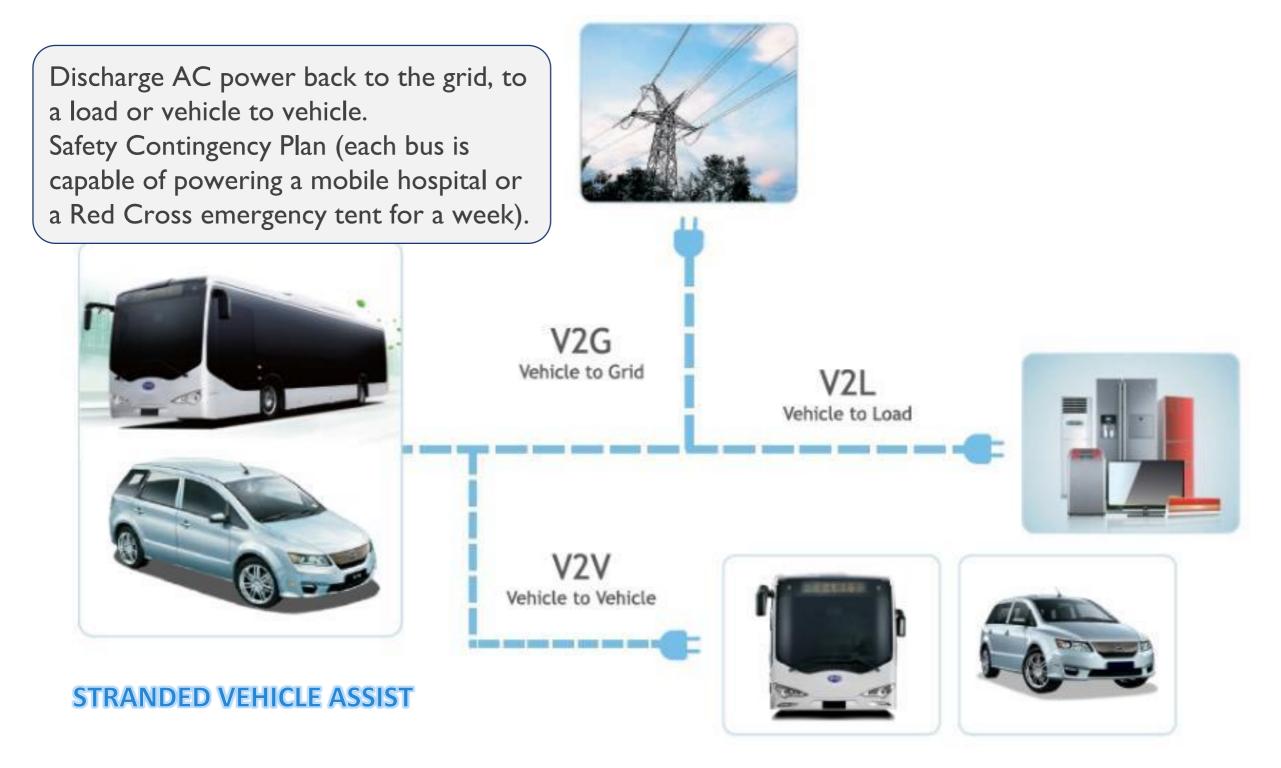


#### Electric Vehicle Infrastructure

- Opportunities:
  - -- Balancing energy between vehicles and grid
  - -- New industry, for example, ChargePoint and SemaConnect
  - -- VW Settlements
- Challenge: Keeping pace with the Demand for EVs
  - -- Demand for EV charging may outpace growth in the Supply of charging infrastructure
  - -- Slow growth in charging infrastructure Supply may constrain future Demand for EVs
- Emerging issue:
  - -- AC as global standard vs. DC as U.S. standard



## AC Enables V2X; DC Does Not



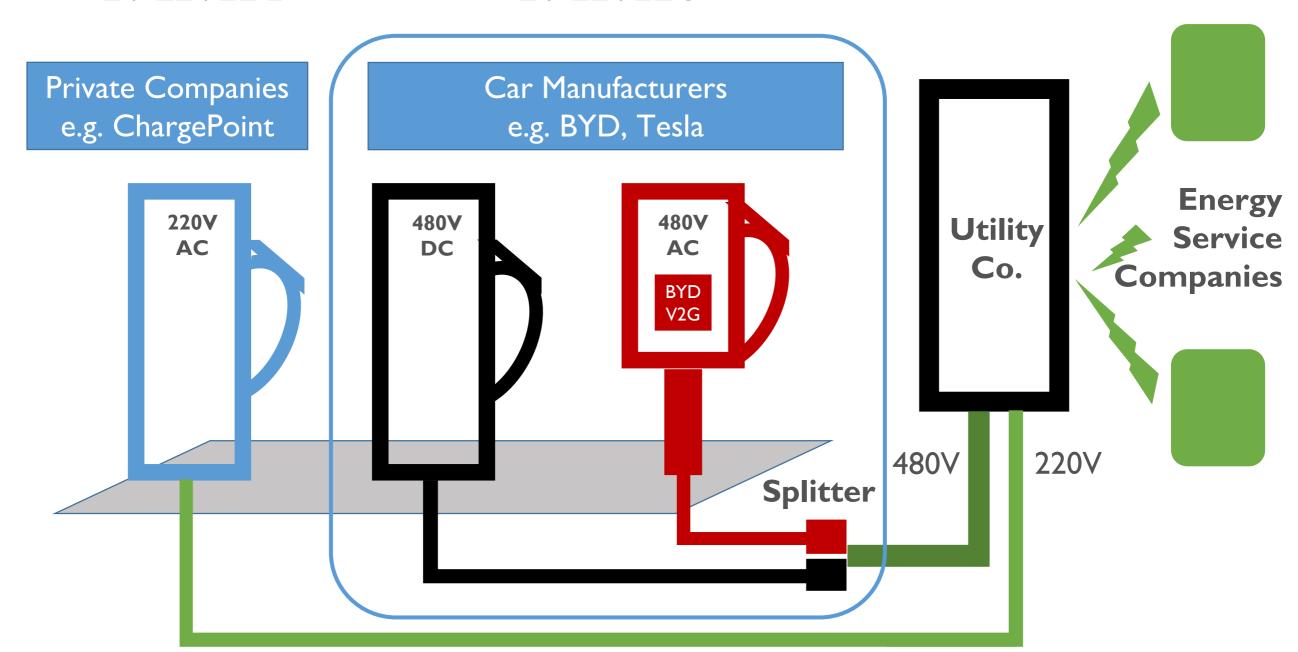


# Future EV Charge Stations

Private charging companies / DC fast charging partners / BYD

**EV LEVEL 2** 

**EV LEVEL 3** 









#### Thank you!

For more information:
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