



# TESLA

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# ENERGY

Nevada Interim Energy Committee  
February 8, 2016

Exhibit D - ENERGY  
Document consists of 15 pages.  
Entire exhibit provided.  
Meeting Date: 02-08-16

# SAFE HARBOR

Certain statements in this presentation, including statements relating to Model S production in 2014; manufacturing in general and manufacturing and timing of stationary storage products in particular; Gigafactory timing, site location, plans and output expectations; and statements regarding future vehicles such as Model X and Model 3 are “forward-looking statements” that are subject to risks and uncertainties. These forward-looking statements are based on management’s current expectations, and as a result of certain risks and uncertainties, actual results may differ materially from those projected.

The following important factors, without limitation, could cause actual results to differ materially from those in the forward-looking statements: delays in the ramping of production capacity and delivery of Model S, including the ability of suppliers to supply parts at desired quality levels and quantities; market acceptance of electric vehicles in general and new Tesla vehicle models, specifically Model X and Model 3; delays in the manufacture and launch of Model X; problems or delays in developing the stationary storage products; problems or delays in bringing the Gigafactory online and operating it in line with expectations; Tesla’s ability to establish, maintain and strengthen the Tesla brand; Tesla’s ability to execute on its manufacturing expansion as well as the risks and uncertainties identified under the section captioned “Risk Factors” in our quarterly report on Form 10-Q filed with the SEC on August 8, 2014. Except as required by law, Tesla disclaims any obligation to update information contained in these forward-looking statements.

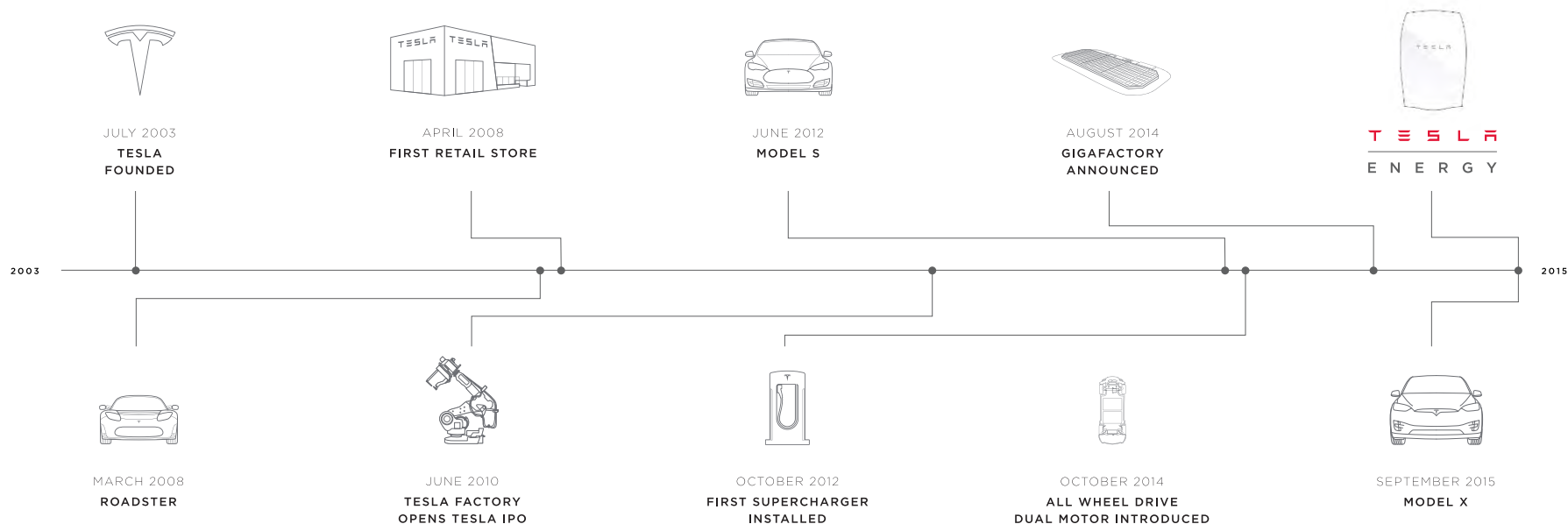
A large, light gray world map composed of numerous small dots is centered in the background of the slide.

## MISSION

To accelerate the world's transition to sustainable energy.

TESLA

## TIMELINE



## AUTOMOTIVE PRODUCTS



Low Volume

Roadster



Mid Volume

Model S | Model X

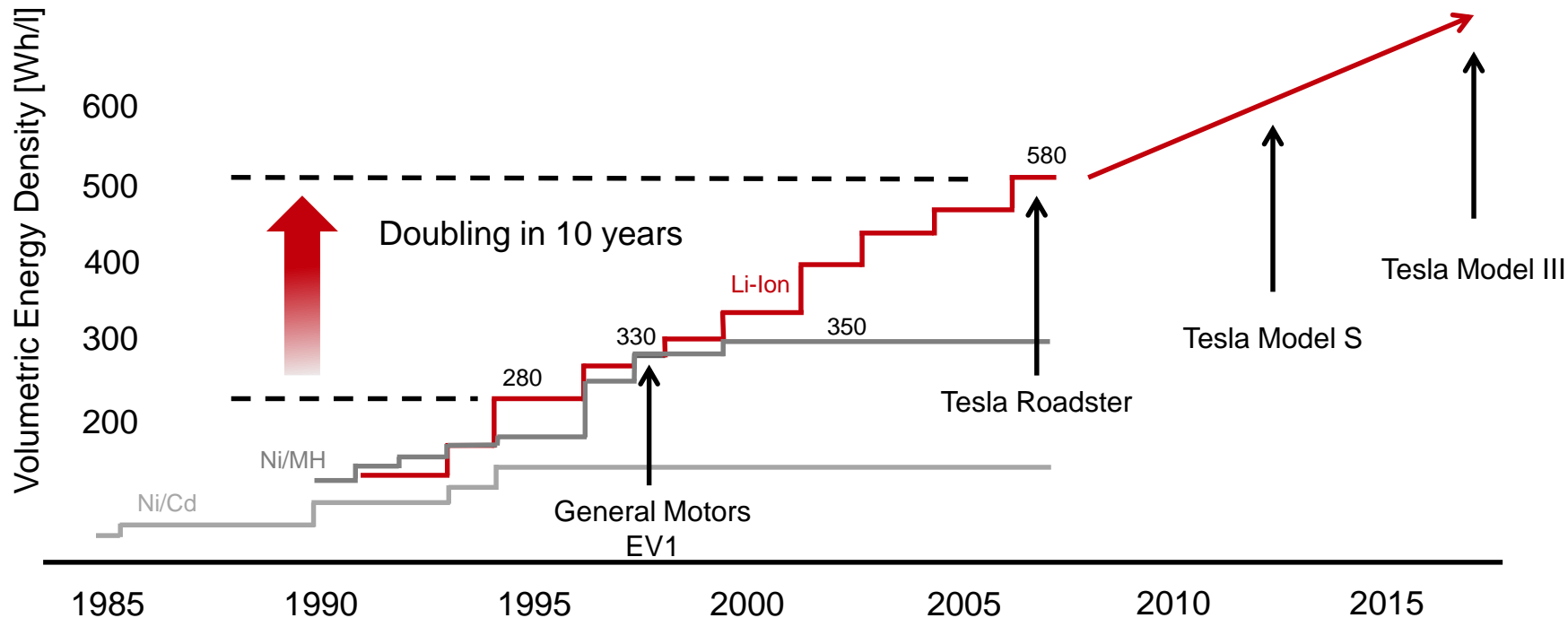


High Volume

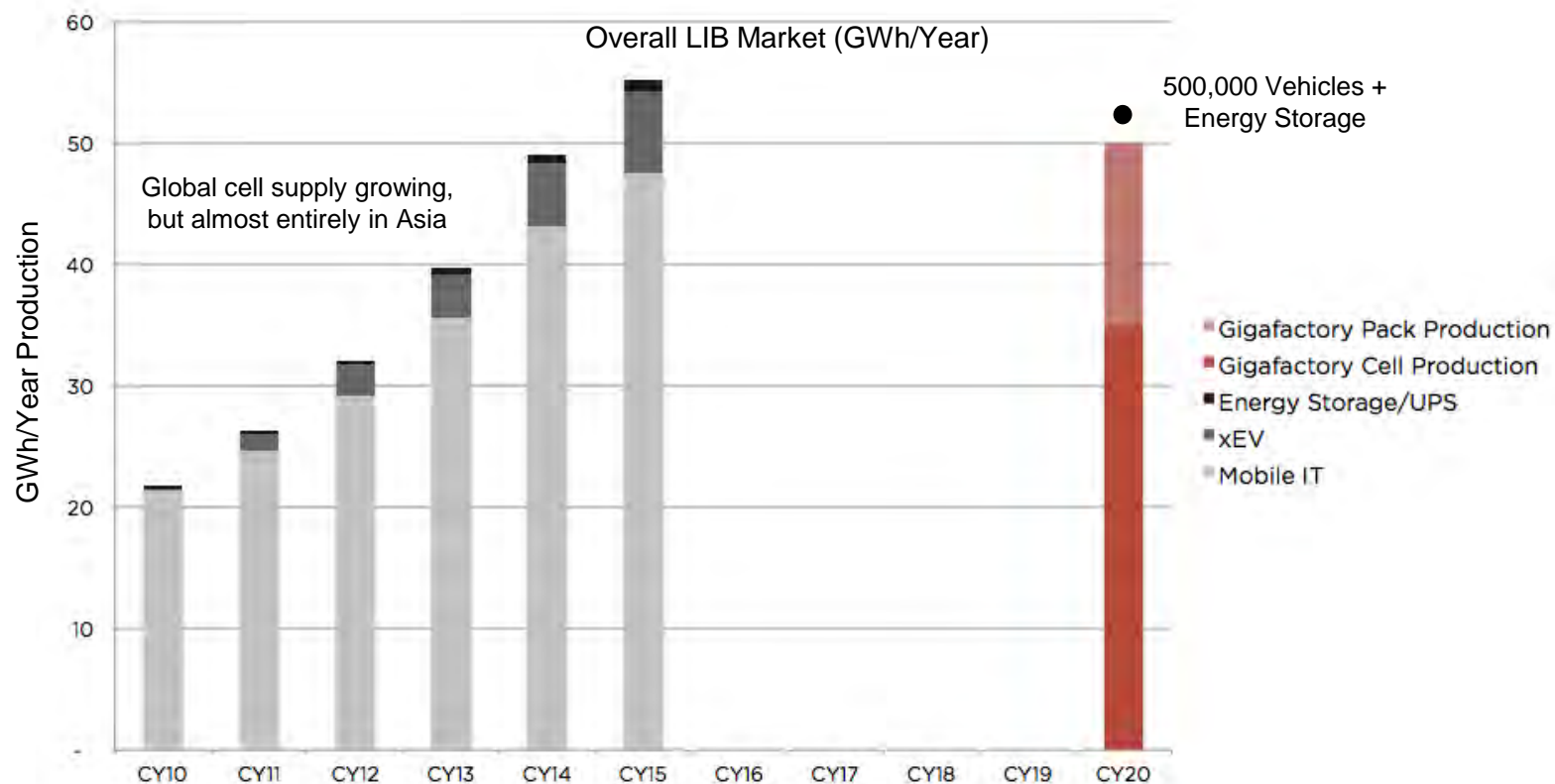
Model III



## BATTERY CELL ENERGY DENSITY TREND



## GLOBAL BATTERY CELL MARKET



## GIGAFACTORY 1



50 GWh in annual battery production by 2020  
Enough for 500,000 Tesla cars  
Powered by renewable energy  
Net zero energy factory





## BATTERY ARCHITECTURE

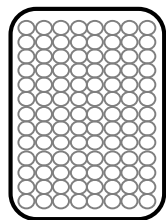
Cylindrical Cells



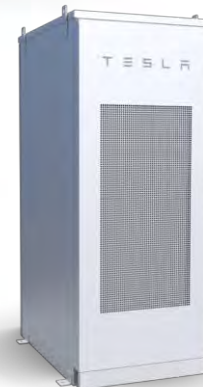
Battery Packs



Products



Modules



# ENERGY STORAGE USES



PEAK SHAVING



CAPACITY FIRMING



LOAD SHIFTING



TRANSMISSION  
& DISTRIBUTION SUPPORT



DEMAND RESPONSE



SELF CONSUMPTION



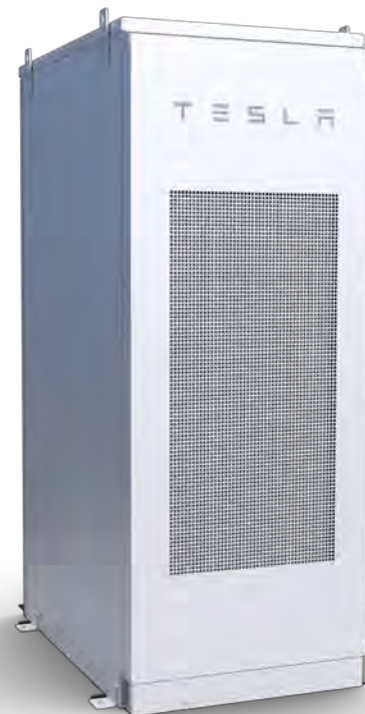
EMERGENCY BACKUP



MICROGRID



ANCILLARY SERVICES



## RESIDENTAL INSTALLATION





# COMMERCIAL INSTALLATION



**250 kW** / 1 MWh

# UTILITY-SCALE INSTALLATION



**10MW** / 40 MWh



# WHY ENERGY STORAGE NOW?

## Improvements in Technology Have Made Storage Competitive

1. Increase in **battery cell density** (i.e. the amount of energy a battery can hold)
2. Increase in **scale and efficiencies** due to battery use in vehicles

# QUESTIONS / DISCUSSION

