Tesla Motors (in 2011) and the U.S. Auto Industry (Case B)

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Tesla's original 1882 design

Financing Early Operations

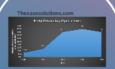
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Financing Early Operations Continued; 2009

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 May- Daimler AG acquires 10% equity stake in Testa for \$50 million, strategic partnership to accelerate the development of Testa's lithiumion battery and electric chieve main technologies to collaborate on electric vehicles being developed at Mercedes.

ownership in least - June: Testa received \$465 million in low interest loans from US Department of Energy (DOE), part of DOE's \$25 billion Advanced Technology Vehicle Manufacturing Program, created in 2007 by the Bush administration.

Tests intended to use \$365 million for production engineering an assumbly of the forthcoming Model 5 and \$100 million for a powertrain manufacturing parts that would supply all-electric powertrain solutions to other automaties and help accelerate th availability of film-coat, mass-market electric vehicles.

September: Testa naised \$82.5 million from Daintler, Fjord Capital.

Financing Early Operations Continued; Going Public

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A broad differentiation strategy.

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 Command a premium price for it's product.
 Impresse unit sales due to the differentiation.

Increase unit sales due to the differentiation.
 Gain buyer legally to it's brand.
 In order to be successful in a broad differentiation strategy a c

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Elon Musk

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the Model S



Technology Continued:

 Battery Pack: Tesla had an internal battery cell testing lab and assembled extensive performance database of many lithium ion cell vendors and chemistry types. Purchased large quantities of lithium ion at low costs due to overproduction based on hype of electric car growth.

· Power Electronics: two primary functions.

 Induction Motors: Custom designed three phase alternating current induction motors for powertrain system.

 Gearbox: combined low mass with high efficiency and could match the speed and torque capabilities (elimination of gear changes enhanced rapid acceleration characteristics of the company vehicles).

 Control Software: Numerous microprocessors and sophisticated softwar









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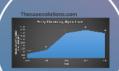
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Operations Continued; 2009

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Overview Thecasesolutions.com

- 1. Company Background
- 2. Tesla's Strategy to become the world's biggest and most highly regarded producer of electric vehicles
- 3. Questions arise about the safety of the Model S battery pack
- 4. The electric vehicle segment of the global automotive industry

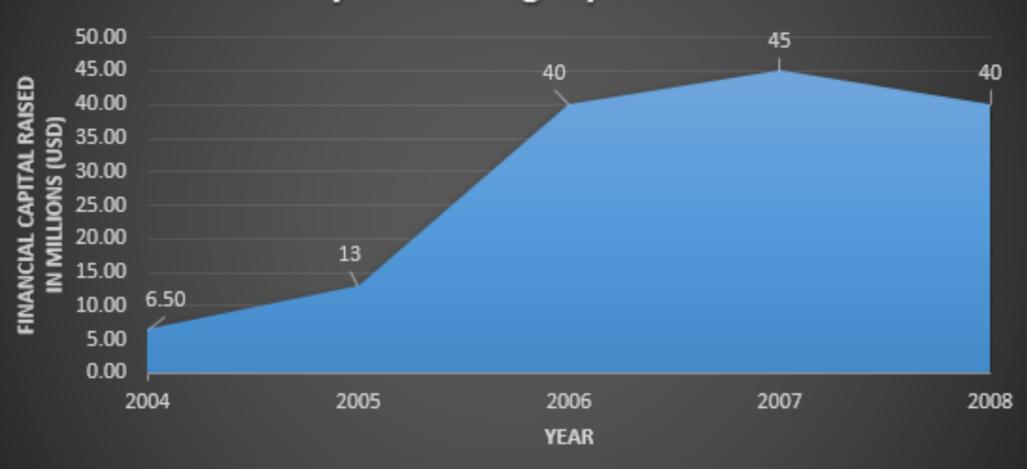
Tesla Motors' Company Overview

- Incorporated in July 2003 by Martin Eberhard and Marc Tarpenning
- Named after the genius electrical engineer, Nikola Tesla
- Tesla's first vehicle, the Tesla
 Roadster, introduced in 2008, was
 powered by an AC motor that
 descended directly from Nikola
 Tesla's original 1882 design

Financing Early Operations Thecasesolutions.com

- First five financing rounds
 - Round 1 Feb 2004, \$6.5 million. Elon Musk accounts for \$6.35 million, assumes position of Chairman of the Board of Directors
 - Round 2 \$13 million from Musk and three private equity investment groups
 - Round 3 May 2006, \$40 million. Majority from Musk and the Technology Partners investment group, included contributions from Google's Sergey Brin and Larry Page, and eBay president Jeff Skoll
 - Round 4 May 2007, \$45 million. Spent quickly due to high R&D costs
 - Round 5 Feb 2008, \$40 million
- Of the \$145 million in investment capital raised in the first five financing rounds, Elon Musk contributed \$74 million, making him the company's largest shareholder





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Financing Early Operations Continued; 2009

- May- Daimler AG acquires 10% equity stake in Tesla for \$50 million, strategic partnership to accelerate the development of Tesla's lithiumion battery and electric drive train technologies to collaborate on electric vehicles being developed at Mercedes
- July- Abu Dhabi's Aabar Investments purchases 40 percent of Daimler's ownership in Tesla
- June- Tesla received \$465 million in low interest loans from US Department of Energy (DOE), part of DOE's \$25 billion Advanced Technology Vehicle Manufacturing Program, created in 2007 by the Bush administration
 - Tesla intended to use \$365 million for production engineering and assembly of the forthcoming Model S and \$100 million for a powertrain manufacturing plant that would supply all-electric powertrain solutions to other automakers and help accelerate the availability of low-cost, mass-market electric vehicles
- September- Tesla raised \$82.5 million from Daimler, Fjord Capital Partners, and Aabar Investments to open additional sales and service centers

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Financing Early Operations Continued; Going Public

- In June 2010, Tesla Motors became a public company, raising \$226 million with an IPO of 13,300,000 shares of common stock sold at a price of \$17 per share
- Its shares began trading on Tuesday, June 29th, 2010 on the NASDAQ under the ticker symbol "TSLA"
- Tesla Motors was the first American car company to go public since the Ford Motor Company's IPO in 1956
- In October 2012, Tesla completed a follow-on offering of 7.97 million shares, receiving net proceeds of \$222.1 million

Management Changes Thecasesolutions.com

- August 2007, due to production delays,
 Martin Eberhard was ousted as CEO
- Ze'ev Drori, an Israeli-born American technology entrepreneur, is named CEO in November 2007
- Drori conducted a performance review of the company's 250+ employees and proceeded to lay off roughly 10 percent
- Elon Musk was named CEO, while continuing to serve as Chairman of the Board of Directors, in October 2008
- By January 2009, the Tesla had raised \$187 million and delivered 147 cars, Musk declared the company would be cash-flow positive by mid-2009