



ZENN Motor Company

**Ian Clifford
Founder & CEO**



**Plug-in Hybrid and Electric Vehicles Conference
Montreal, September 28, 2009**

A vibrant green field under a blue sky with white clouds.

Mission

*To be a global leader in Zero Emission
Transportation Solutions and Technologies*

ZENN Motor Company Today



- ZENN currently manufactures fully electric Low Speed Vehicles (LSVs)
- Have an exclusive license with, and an investment in, EEStor, Inc.
 - Equity stake of approximately 10.7%
 - Developing next-generation ultracapacitor capable of storing large amounts of energy at a fraction of the cost of traditional batteries
- ZENN plans to integrate EEStor's technology in its ZENNergy™ Drive Systems enabling:
 - Highway speeds
 - Extended range
 - Rapid recharging capability
 - Price competitive with internal combustion engine vehicles
- “ZENNergy Inside” business model

ZENN's Business Model



- Core focus of the Company will center on Engineering & Marketing support for third-party distribution
 - Design a suite of drivetrain solutions specific to the EV market that optimize what EESor's technology makes possible
 - Build on the ZENN and ZENNergy brands
 - Utilize outsourced services to contain costs, optimize speed-to-market
- Leverage our EESor rights by partnering with OEMs versus trying to compete directly with them
 - Speed-to-market
 - Low CapEx
 - Customized solution set depending upon the OEM's needs

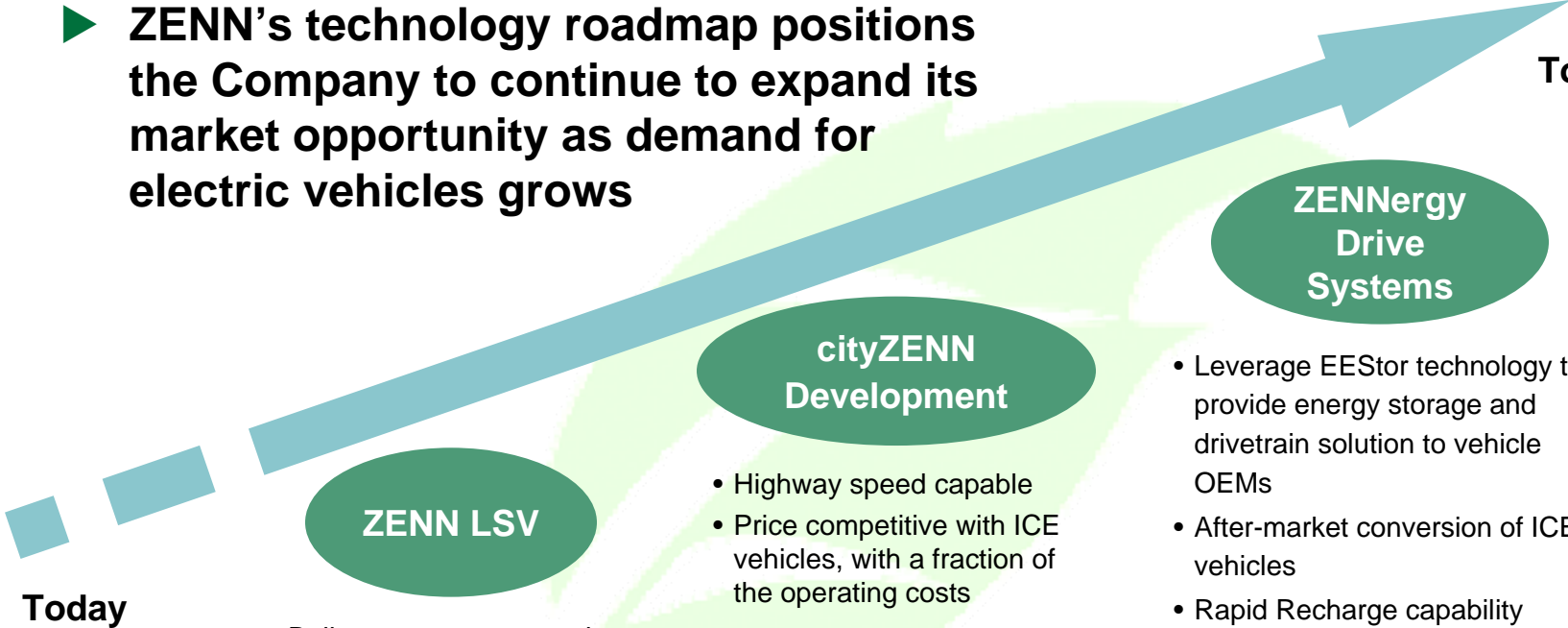
“ZENNergy Inside”

Clear Technology Roadmap



► ZENN’s technology roadmap positions the Company to continue to expand its market opportunity as demand for electric vehicles grows

Tomorrow



Today

ZENN LSV

- Built on proven automotive platform
- Designed for neighborhood and urban transportation – 25mph regulated top speed
- 30-50 mile range
- 8 hour full charge time



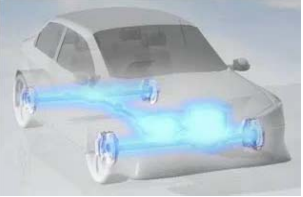
cityZENN Development

- Highway speed capable
- Price competitive with ICE vehicles, with a fraction of the operating costs



ZENergy Drive Systems

- Leverage EESor technology to provide energy storage and drivetrain solution to vehicle OEMs
- After-market conversion of ICE vehicles
- Rapid Recharge capability



Building the Brand



Gold Medal winner in the Urban Vehicle category at the Michelin Bibendum Challenge
Extensive television & newspaper coverage in major markets globally
Recognized as a leading EV brand and authority



REUTERS UK
Zenn Motor shares race higher on battery data

NATIONAL POST
Canada's Zenn keen to invest in U.S. energy researcher

Forbes.com
Entrepreneurs
Cracking The Battery Barrier

Technology Review
AN MIT ENTERPRISE
Monday, January 22, 2007
Battery Breakthrough?

ALL CARS ELECTRIC
EESstor VP Says EESUs to be Delivered by End of 2009

CNN.com
Battery-like device could power electric cars

Newsweek
SPECIAL REPORT
In The Slow Lane
Plug-and-play electric cars for urban drivers are pushing the envelope on green. Just don't try gunning them... yet

Canadian Business ONLINE
Your success is our business
Electric cars
Electric cars: The wheel deal?
Ian Clifford says he's plugged into a new technology that will replace gas guzzlers
By Andrew Nikiforuk

The New York Times
October 24, 2008
Ultracapacitors for electric cars looking more likely

Current Battery Technology

Very best current chemical batteries (Lithium/NiMH) are:



- Large
- Heavy
- Toxic / Corrosive
- Short lifespan
- Temperature sensitive
- Very expensive

Chemical batteries cannot effectively replace gasoline as the primary energy source for automotive applications

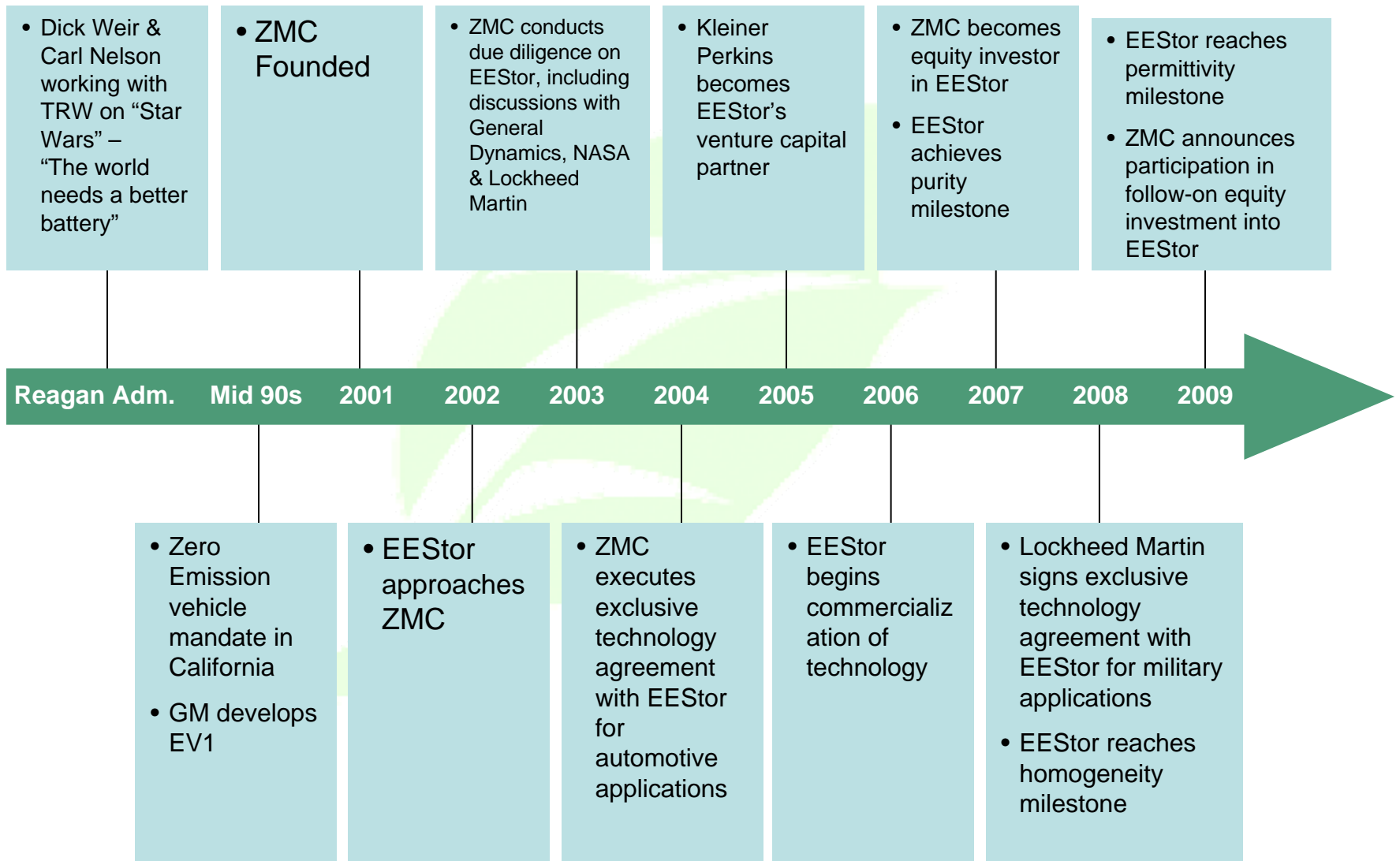
EEStor – The Game Changer



- Stealth operation in Austin, Texas
 - Leadership team with proven track record
- Electrical Energy Storage Units (EESU) – the technology breakthrough:
 - Solid-state energy storage (ultracapacitors)
 - New materials with extremely high energy and power density characteristics
 - Fully scalable: pacemaker to power plant
 - Represents a disruptive breakthrough in energy storage in multiple sectors

Will Render Chemical Batteries Obsolete

ZMC – EESstor Timeline



ZENN and EEStor



- ZENN entered into a Technology Agreement with EEStor in 2004 that, based on ZENN making milestone payments, secures the worldwide exclusive right* to deploy EEStor's EESU in the following markets:
 - Four-wheeled passenger vehicles with a curb weight up to 1400 kgs (3,080 lbs.) net of the battery weight;
 - Aftermarket conversion of any used (road licensed one year or more) internal combustion four-wheel vehicle to electric drive; and
 - Golf carts and similar-styled utility vehicles
- Non-exclusive, worldwide use for heavier four-wheeled passenger vehicles

* Expires with last applicable patent

Battery Technology Comparison






	EESor EESU	Lithium-Ion	NiMH	Lead Acid (Gel)
Weight (lbs)	297	748	1,716	3,641
Volume (in³)	4,493	5,697	17,881	43,045
Self-Discharge Rate	0.02% / 30 Days	1% / 30 Days	5% / 30 Days	1% / 30 Days
EV Charging time (100% Charge)	Minutes	>3 hours	>3 hours	3-15 hours
Cycle Life	1,000,000+ No Degradation	Thousands	Thousands	Hundreds
Life Reduced with Deep Cycle Use	None	High	High	Very High
Hazardous Materials	None	Yes	Yes	Yes
Temperature Effect on Energy Storage	Negligible	High	High	Very High
Cost per kWh	Low	Very High	Medium	Low

Based on 52.2 kWh storage capacity

Source: EESor, Inc.

EESor EESU data based on permittivity of 18,500. EESor has announced certification of permittivity of at least 22,500.

What's the Opportunity?

	Scale	Speed to Market	Considerations
ZENergy Drive OEM	Approximately 48,000,000 new cars per year 3,080 lbs. curb weight or less		<ul style="list-style-type: none"> Initial focus on “EV ready” OEMs 35 OEM models with greater than 250,000 units sold per year Government incentives and mandate may influence initial target markets
ZENergy Drive Retrofit	Approximately 800,000,000 used vehicles fit our exclusivity globally		<ul style="list-style-type: none"> Focus to be on high profile fleets e.g. London cabs and delivery van fleets Sell kits to the fleet managers and/or “upfitters” and/or OEM retailers
ZENergy Drive Golf Carts & LSVs	Approximately 500,000 units per year		<ul style="list-style-type: none"> Majority already electric but contending with battery challenge

* Volumes based on publicly available data

EV Opportunities



	Availability	Cost	Type	Range	Charge Time	Affordability	Addressable Market Opp.
Chevy Volt	Q4'10	\$40,000	PHEV Li-Ion				
Miles EV XS500	Q1'10	\$45,000	EV Li-Ion				
Mitsubishi i-MiEV	Currently Available	\$47,000	EV Li-Ion				
Think City	2010	\$49,500	EV Li-Ion				
Tesla Model S	2012	\$57,000	EV Li-Ion				
Fisker Karma	Q4'09	\$87,900	PHEV Li-Ion				
Tesla Roadster	Currently Available	\$109,000	EV Li-Ion				

* Based on publicly available information
\$ In USD

EEStor Status



- Continued, demonstrable progress towards commercialization
 - Automated production line certification – January 16, 2007
 - Purification certification of key materials – January 16, 2007
 - Certification of particle crystallization, homogeneity, purity and polarization – July 29, 2008
 - Certification of permittivity of manufacturing-grade chemicals – May 22, 2009
- All above milestones third-party validated
- Patents issued and additional ones in process

EEStor Status – Next Steps



- EEStor's stated objectives are:
 - Complete component testing
 - Finalize assembly processes necessary to deliver functional technology
- For the actual manufacturing, EEStor will use largely proven production systems and processes (similar to advanced hard disk manufacturing)
- Stated intention is to apply modular production lines to enable rapid build-out, minimize risk of outages

EEStor's Global Opportunity

ZMC owns 10.7% equity stake in EEStor

Automotive



Military



EEStor

Alternative Power
Generation



Grid Load
Leveling



Consumer
Electronics



Attracting Visionary Partners



Kleiner Perkins Caufield & Byers



EEStor



Founders
Dick Weir
Carl Nelson
Tom Weir

Board of Directors
(includes)
W. Michael Long

The ZENN Opportunity



- All the drivers are in place
 - Environmental imperative
 - Unsustainable dependency on oil
 - Political will / mandates
 - Strong consumer demand
 - Strong OEM commitment to EV programs
- Positioned for success
 - Focused use of funds
 - Attractive business model with good leverage: “ZENNergy Inside”
 - Strong management team
 - Solid, real-world EV experience
- Investment provides access to full EEStor value proposition
- Well capitalized for future growth

ZERO EMISSION  NO NOISE
ZENN
MOTOR COMPANY

Q & A

