

COST BENEFIT ANALYSIS OF ALTe ELECTRIC POWERTRAIN CONVERSION

	Case A	Case B	Case C
	Econoline E250 w/ ALTe @ 3 Year Point Purch 1 Veh in 10 Yrs	F150 w/ALTe @ 3 Year Point Purch 1 Veh in 8 Yrs	E450 Shuttle Bus w/ALTe @ 3 Year Point Purch 1 Veh in 6 Yrs
V8 Baseline			
Vehicle Purchase Price	\$ 23,000	\$ 20,000	\$ 55,000
Annual Mileage	20,000	30,000	30,000
Annual Depreciation with V8	\$ 4,935	\$ 2,696	\$ 10,226
Years of Operation with V8	3	3	3
Fuel Economy Original V8 (mpg)	14	15	5
Annual Fuel Cost (\$3.83 gal)	\$ 5,471	\$ 7,654	\$ 21,662
Annual Oil Changes & Brakes	\$ 350	\$ 425	\$ 625
Engine & Transmission Rebuild	\$ 800	\$ 800	\$ 800
ALTe Solution			
ALTe System Cost Fully Installed	\$ 26,500	\$ 26,500	\$ 32,000
Annual Depreciation with ALTe	\$ 2,990	\$ 3,890	\$ 7,858
Years of Operation with ALTe	7	5	3
Genset Fuel Economy with ALTe (mpg)	26	32	12
Annual Gasoline Miles	10,320	20,320	10,640
Annual Electric Miles (One charge per day)	9,680	9,680	19,360*
			*2 charges per day
Annual Fuel Cost (\$3.83 gal)	\$ 1,520	\$ 2,430	\$ 3,393
Annual Oil Changes & Brakes	\$ 162	\$ 222	\$ 164
Annual Cost of Electricity (\$0.09/ kWh)	\$ 261	\$ 261	\$ 653
Residual Value	\$ 5,571	\$ 7,049	\$ 8,427
Federal PHEV Tax Credit (10%)	\$ 2,650	\$ 2,650	\$ 3,200
Total Capital Cost	\$ 41,279	\$ 36,801	\$ 75,373
Total Operating Cost	\$ 31,848	\$ 39,604	\$ 80,293
Total Combined Cost of Ownership	\$ 73,127	\$ 76,404	\$ 155,666
Net Benefit	\$ 22,276	\$ 11,556	\$ 39,413

GREEN

- Lower emissions
- Recycle existing vehicle fleets
- Accelerate transition to electric economy

VALUE

- Up to 200% improvement in fuel economy
- TCO net benefit
- Extend fleet life cycle
- PHEV credits/GHG penalty free
- Nationwide installation partners

TECHNOLOGY

- Focus on fleet and light truck applications
- Mass-produced, robustly engineered solution
- ALTe-Flex Drive™ (4) mode operation
- Fully scalable from light- to medium-duty classes

FOR MORE INFORMATION ON THE PRODUCT, OR HOW TO BECOME AN INVESTOR,
PLEASE CONTACT OUR CORPORATE HEADQUARTERS AT:

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EXECUTIVE OFFICERS

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James Street, VP of Finance
Jeff DeFrank, CTO
Nam Thai-Tang, VP of Programs

Customer Demo Vehicles Q3

Evaluation Units Q4

Testing Complete Q1

EPA & CARB Certification Q1

Job #1 Q2

Ship to OEMs for New Vehicles Q2

Multiple Vehicle Applications Q3

GEN 3 & GEN 4 Production Q3

ALTe | AN ELECTRIC POWERTRAIN COMPANY

ALTe'S MISSION

To advance sustainable mobility for the global community through product innovation, operational and engineering excellence resulting in affordable, meaningful powertrain solutions for our customers.

THE ISSUE

Every day in the United States, 378 million gallons of gasoline are consumed by automobiles, producing 7.56 billion pounds of CO₂ emissions. The need to develop alternative-powered vehicles is urgent - not only to bring vehicles into compliance with upcoming emissions standards, but to reduce U.S. dependence on foreign oil and save on vehicle and fuel costs. By increasing the fuel efficiency of existing vehicles, we can make significant progress towards achieving those objectives.

THE SOLUTION: ALTe

COMPANY

- ALTe is an electric powertrain company poised to become an industry leader in the electrification of commercial and government fleet vehicles.
- ALTe has developed a proprietary Range Extended Electric Vehicle (REEV) powertrain system.

PRODUCT

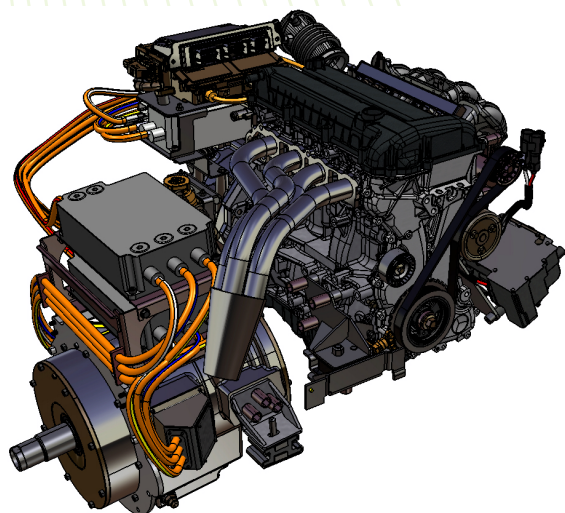
- Conversion to ALTe increases significantly the fuel efficiency of existing powertrains.
- The ALTe powertrain is fully compliant with even the most stringent emissions standards.
- ALTe's powertrains exceed the legally mandated threshold of 125% of 2005 base fuel economy for multiple types of vehicles.
- Converting vehicles to the ALTe powertrain will increase fuel efficiency up to 200% when compared to a base factory fleet vehicle with a V8 engine.

CUSTOMER

- Existing commercial and government fleets consisting of light-to-medium-duty vehicles (such as delivery vans, work trucks, military vehicles, taxi cabs and other commercial industry fleet vehicles).

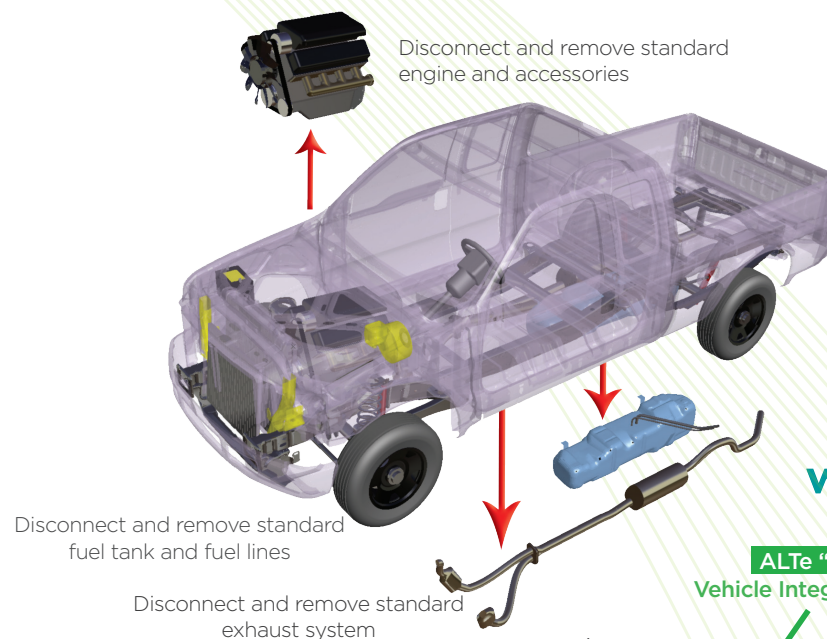
ALTe'S VISION

At ALTe, we share a common vision: "Advance sustainable mobility." Our company was founded by a team of engineers and operations experts, each with an average of 23 years automotive experience, including three years at a leading electric vehicle company. ALTe's executives are dedicated to establishing an industry with a focus on grid-interconnectivity and energy security.



THE ALTe RANGE EXTENDED ELECTRIC VEHICLE (REEV) CONVERSION

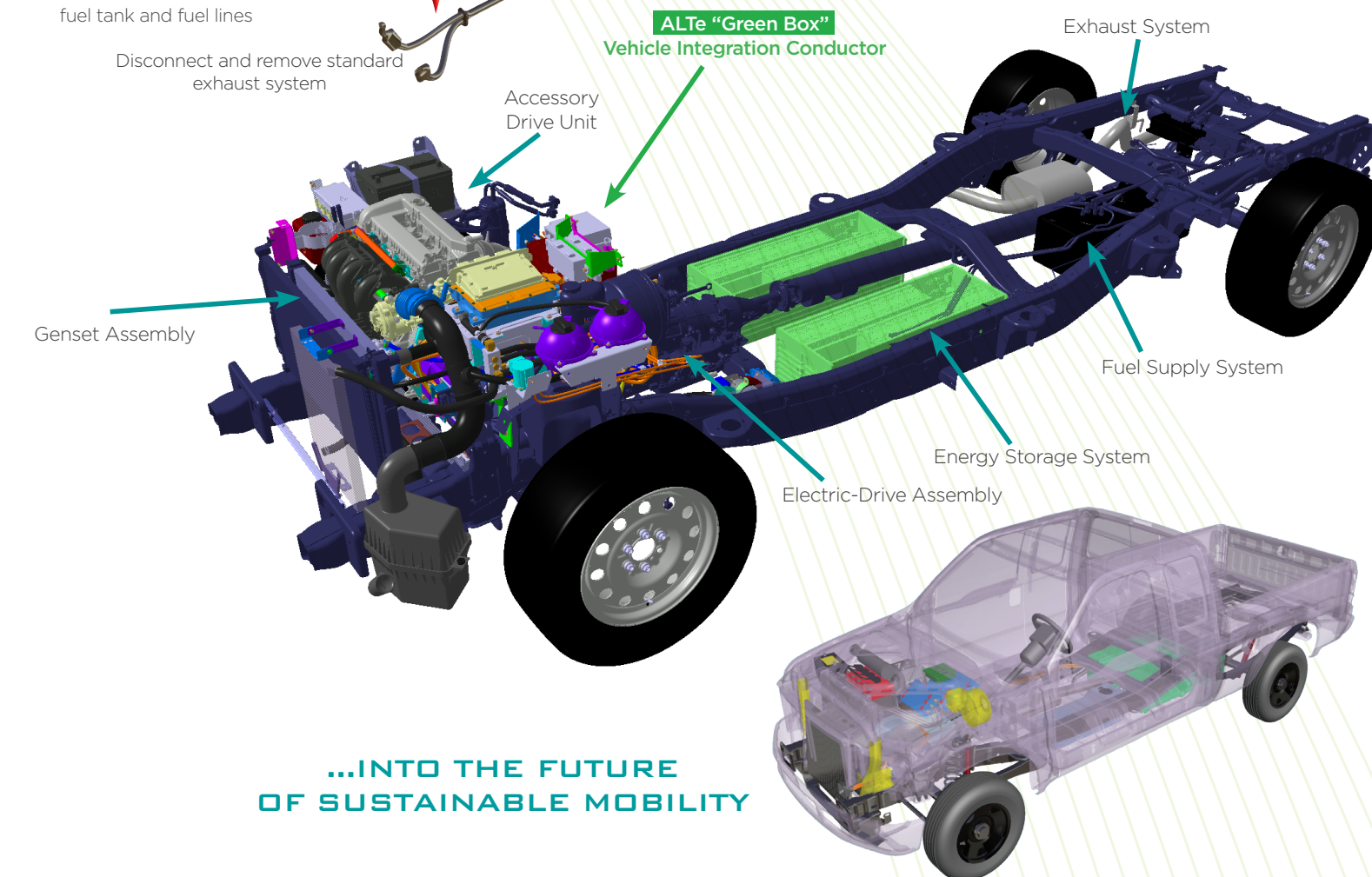
CONVERT A GAS GUZZLER...



HOW IT WORKS:

The ALTe electric powertrain system is an aggregate of common components plus the proprietary ALTe "Green Box." The vehicle initially runs up to 40 miles off of electricity stored in the battery from an overnight charge. Then, a 4-cylinder engine generator set kicks on to produce electricity to drive the motor and recharge the battery.

WITH THE ALTe CONVERSION



...INTO THE FUTURE OF SUSTAINABLE MOBILITY