

*Aerodynamics + Low Weight + Safety =*

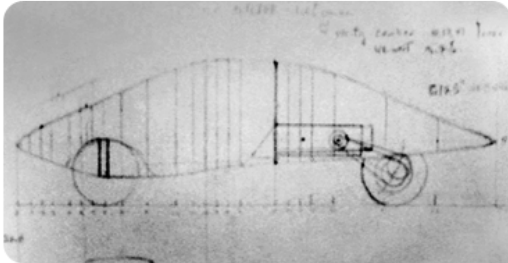


Introducing the 2009: 2e



# From Sketch...

Traffic Jam  
Brainstorm



Frustrated by being land locked in a sea of steel and asphalt, our co-founder, Steve Fambro dreamed of cruising past traffic in a vehicle that was safe enough to protect his new family, yet efficient enough

to keep money in his pocket, instead of feeding a gas pump. The idea was simple yet brilliant. Design a vehicle that follows nature and glides through the wind instead of pushing it.

Then, Steve met entrepreneur and boat builder Chris Anthony. Chris introduced Steve to a composite body system that enabled the vision to take shape. Together, Steve and Chris carried their dreams to Pasadena, Calif. and the doorsteps of new business incubator Idealab and its founder Bill Gross. Gross saw the vision and seeded the team with the investment needed to make a dream become a business.

With hope in hand and the future in mind, Steve and Chris recruited a couple of bright young engineers. The team brought form to philosophy and the result may very well be the most efficient production vehicle in the world - the Aptera 2e.

## Leading the Future



As a company, Aptera draws its strength from its team. Carefully selected from across a number of production environments, the Aptera team is composed of respected automotive experts with more than 100 years of combined industry experience and accomplished executives from Southern California's high technology industries.

**Fambro Factoid:** 50% of an avg car's energy is used pushing air out of the way at a rate of 55mph!

## Where's it Happening?



**Development/Assembly Facility**  
Vista, CA

Home to our executive offices, design and vehicle manufacturing, this newly renovated facility is capable of an est. 20,000 units per year. The unique low capital production model incorporates the principles of synchronous flow to produce a high quality, repeatable product is sure to delight consumers.



**Loker Avenue Composite Plant**  
Carlsbad, CA

Our home away from home, the Loker Avenue Composite Facility is where we build our innovative resin-infused vehicle bodies. This facility shows the potential realized when we marry volume vehicle production with aircraft inspired composites.

# ...to Reality!

*Fambo Factoid:* With a low drag coefficient of .15, the Aptera 2e realizes less drag than Lance Armstrong on a ten speed!



## Exterior



### Wide Athletic Stance

Just like a linebacker poised for the blitz, the Aptera takes a wide, three-point stance that makes the vehicle very stable, yet very agile. Push on the throttle, turn the wheel and the Aptera's neutral chassis carves through corners like it's on rails.



### Butterfly-Style Doors

The butterfly-style doors open upwards, not outwards. So no matter how tight your parking spot is, you'll never have trouble opening the door wide enough to get out.



### Fluid Exterior Form

Birds glide gracefully through the air, so why not expect your vehicle to do the same? Drawing inspiration from nature, the Aptera slips through the air instead of pushing it.

## Interior



### Efficiency Meter

The efficiency meter helps you keep track of the energy you're using. It also aids in establishing bragging rights. Please use respectfully.



### Easy-To-Use Instrument Panel

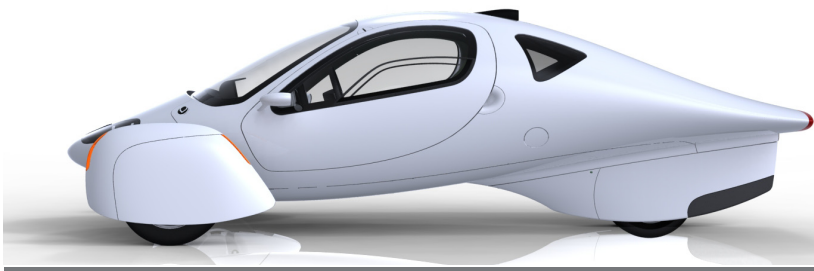
Drive in comfort with your controls just a touch away. Placed just where you'd expect them, you can focus on the road instead of your dash.



### Smartphone Connectivity

Time to put all those playlists to work. Simply plug 'n' play music through the audio system, and with the push of a button, switch over for that important incoming call.

# The Rest is in the Details



## 2009 Aptera 2e

### Powertrain

Electric motor torque	60FtLb torque
Charging	110 volt / 15 Amp charging in 8 hrs
Battery Type	Lithium Iron Phosphate
Battery power output	10-13 KWh battery pack
Battery voltage	336V DC Nominal Traction Voltage
Transmission	Gear box 10:1 ratio

### Chassis

Front suspension	Independent unequal length A-arm
Rear suspension	Swing arm
Steering	Manual steering, tilt steering column
Brakes	Manual brakes, dual circuit brake hydraulics, mechanical brake proportioning, 3 wheel disc
Wheels	14-in High Strength Stamped Steel wheels
Size	P165/65R14

### Specifications

Overall height/width/length	53.0/91.0(wheel pants)/173.0 [approx.]
Wheelbase	111
Track (front)	80.5
Coefficient of drag (Cd)	0.15
Minimum running ground clearance	5
Curb weight (lb.)	1500lbs [approx]
Seating capacity	2

### Performance

Fuel tank (gal.)	N/A
Fuel Economy - MPG equivalent (EPA Drive Cycle/Progressive Auto X-Prize Conversion)	City / Highway: 200+
Range	Up to 100 miles per charge

### Warranty

Basic	4/50000
Powertrain	4/50000
Corrosion	12/Unlimited
Roadside	4/50000

## How About Some Features? [S = Standard; O = Optional]

### Interior

Push button start	S
Electronic shift PRNDL (shift controller)	S
AM/FM/MP3/WMA with 5 speakers and MP3/Smart Phone connectivity	S
DVD navigation system	O
Power up/down windows with Driver side one touch and anti-pinch	S
Power automatic door locks with anti-lockout feature	S
Center console armrest with two cup holders	S
Overhead mounted LED Dome Lights	S
Recycled Fabric-trimmed seats and door panels	S
Leatherette (recycled materials) trimmed steering wheel	S
Defroster-linked CFC-free automatic climate control with electric inverter compressor air conditioning,	S
One 12V auxiliary power outlets and One 12V USB Outlet	S
Retractable passenger-assist grips at all doors	S

### Exterior

Dual color-keyed power outside mirrors	S
Aerodynamic multi-reflector halogen headlamps	S
Washer-linked variable intermittent windshield wipers	S
Rear window defogger with timer	S
Rear Electronic rear hatch locking system	S
Solar Energy-Reflecting glass	S
Smart Key System (Proximity locking/starting) Maintenance key & cylinder to prevent accidental lock out.	S

### Safety

Remote keyless entry system with 2-stage unlocking, panic function and remote illuminated entry	S
Backup camera	O
Driver and front passenger Airbag System	S
Front and rear crumple zones and side-impact door beams	S
Engine immobilizer	S
Center high-mount stop lamp (CHMSL)	S
Emergency Tire inflation system	S
3-point front outboard seatbelts with adjustable shoulder anchors and driver-side Emergency Locking Retractor (ELR), front passenger Automatic/Emergency Locking Retractor (ALR/ELR)	S
Driver and front passenger seatbelt with seat belt starter interlock	S
Direct Tire Pressure Monitor System (TPMS)	S
Anti-theft system	O