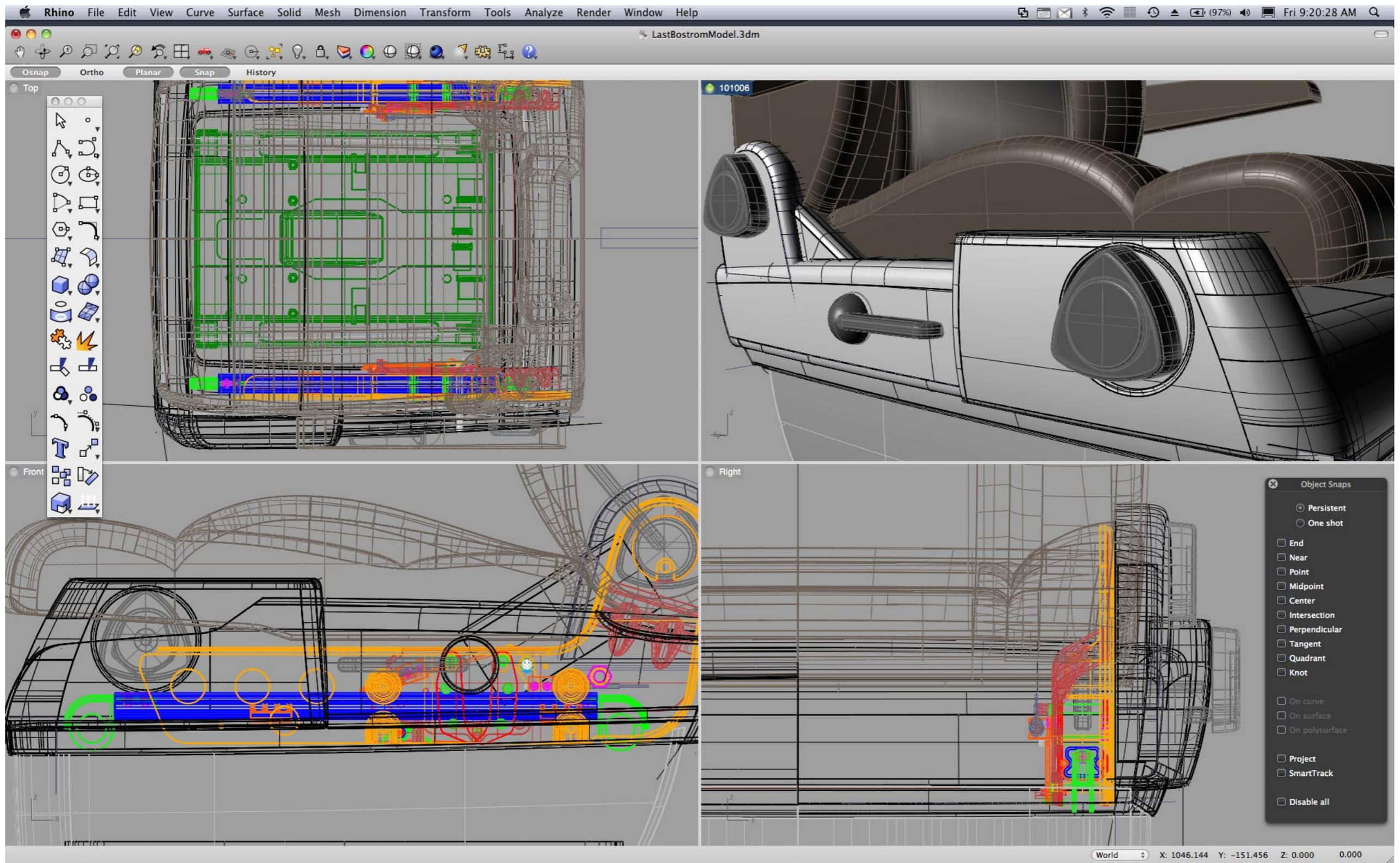


Gary D. Smith

 *PERFORMANCE DESIGN*



Industrial & Graphic Design Projects

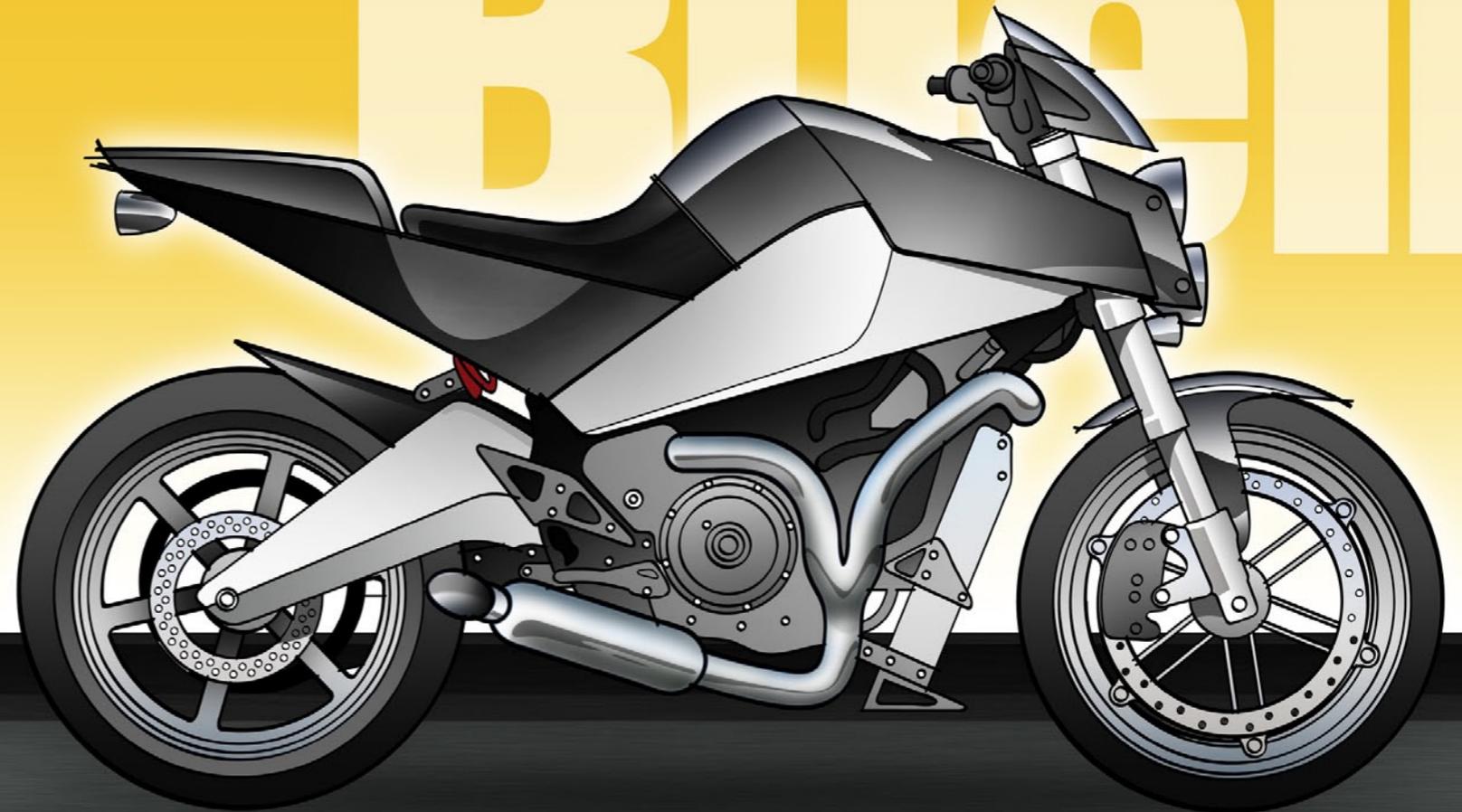


Objective:

To transform the latest Buell superbike into a street fighter

Design elements:

1. Substitute a single radiator for the twin radiators and pods,
2. Design a small instrument cover to replace the large fairing
3. Twin stacked round lights
4. Re-style the air intake cover to include two scoops that will act as a ram-air intake
5. Replace the large muffler with a sport exhaust system



G. Smith • Performance Design • 113009

Ecotality requested a feasible, practical, and original design depicting a Level 2 and Level 3 outdoor charging facility that would be located at shopping centers, big box stores, and other public centers. Design includes canopy, overhead displays, and charging stations for passenger and other electric vehicles.

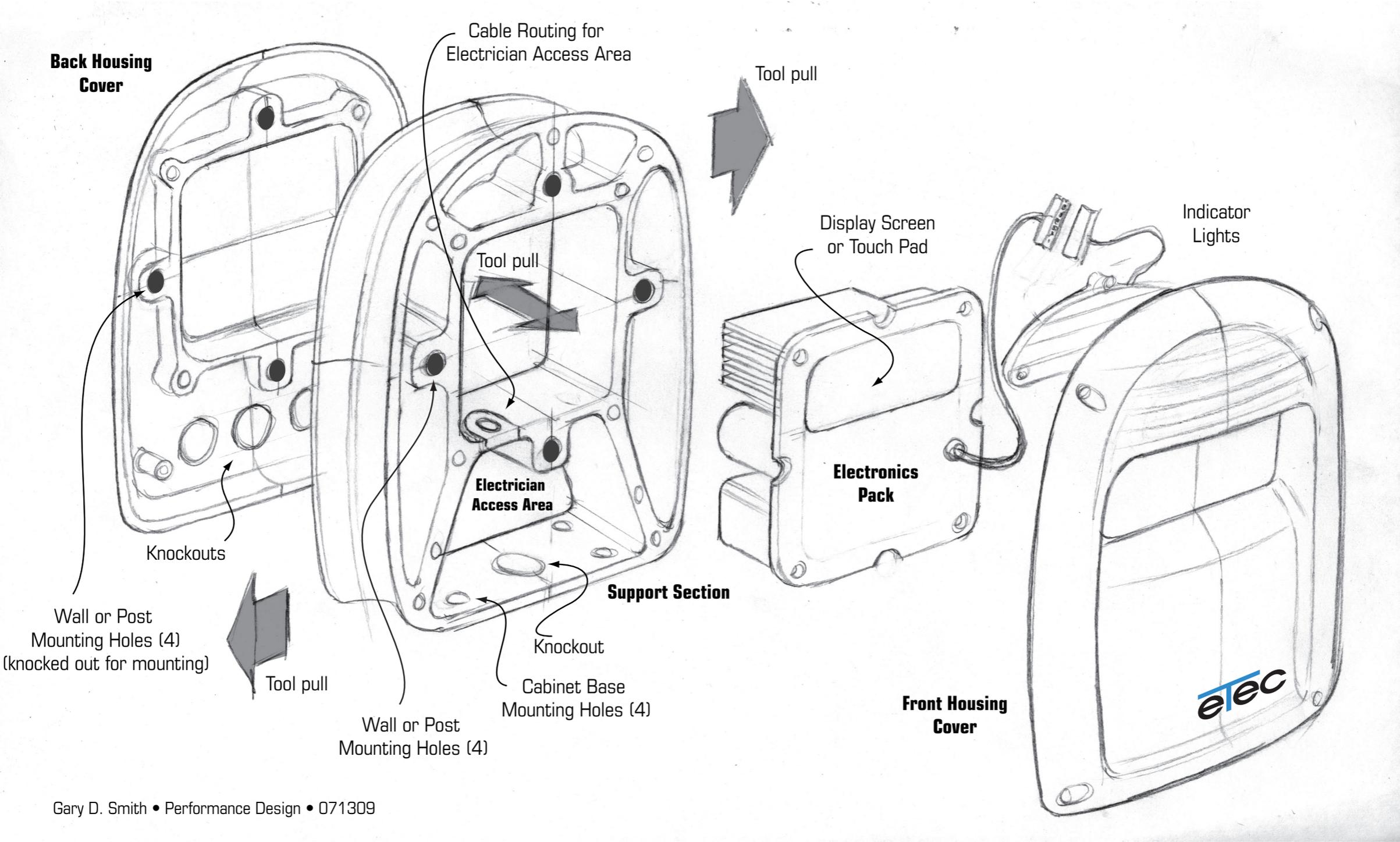




I created loose sketches of canopy concepts, then modeled the facility in Rhino 3D, including all of the vehicles. Different store logos were created for renderings targeted at potential corporate sponsors.



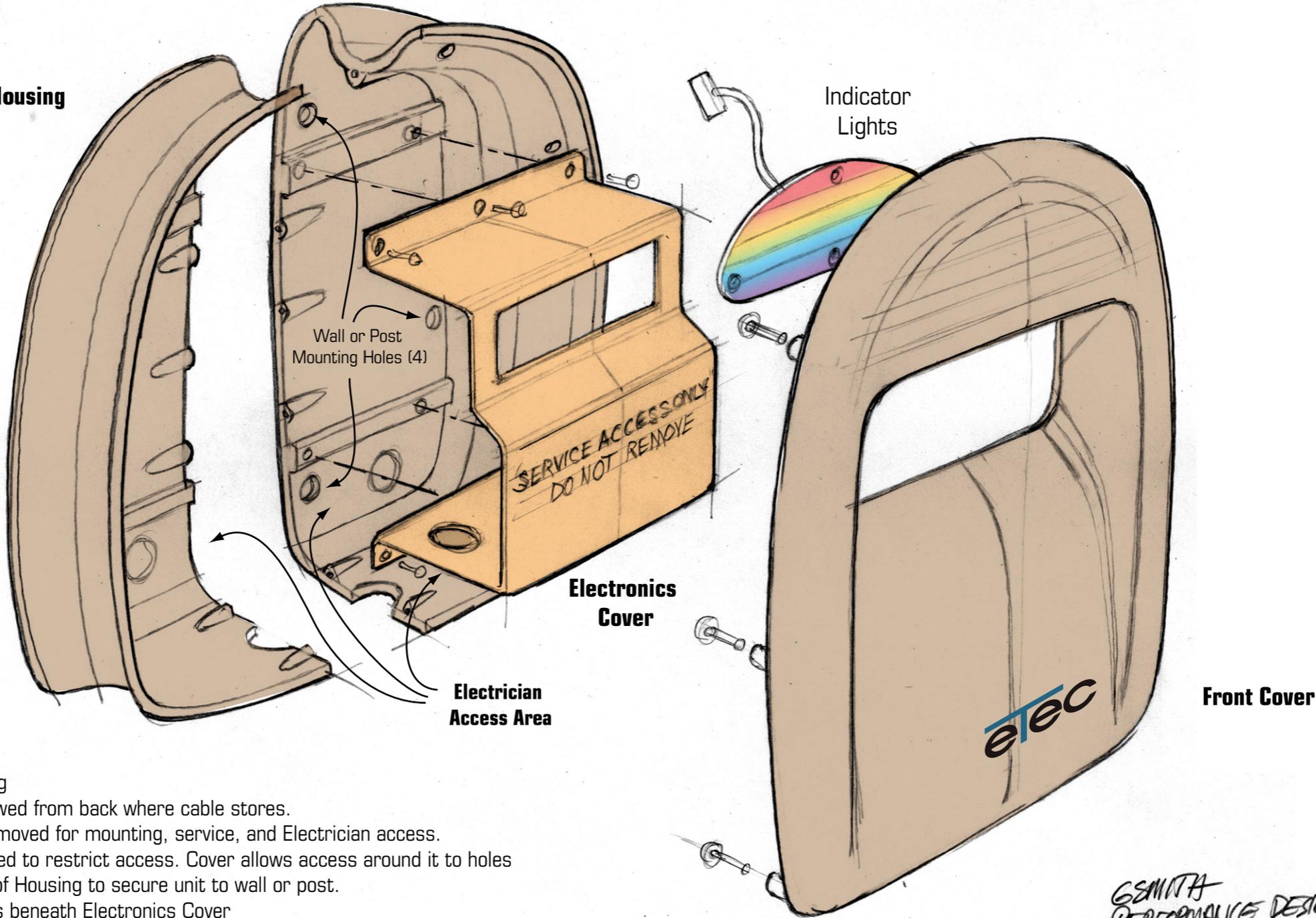
eTec Level 2 Charger Design Project—Sketch of part construction proposal.



Gary D. Smith • Performance Design • 071309

eTec Level 2 Charger Design Project—Sketch of part construction proposal.

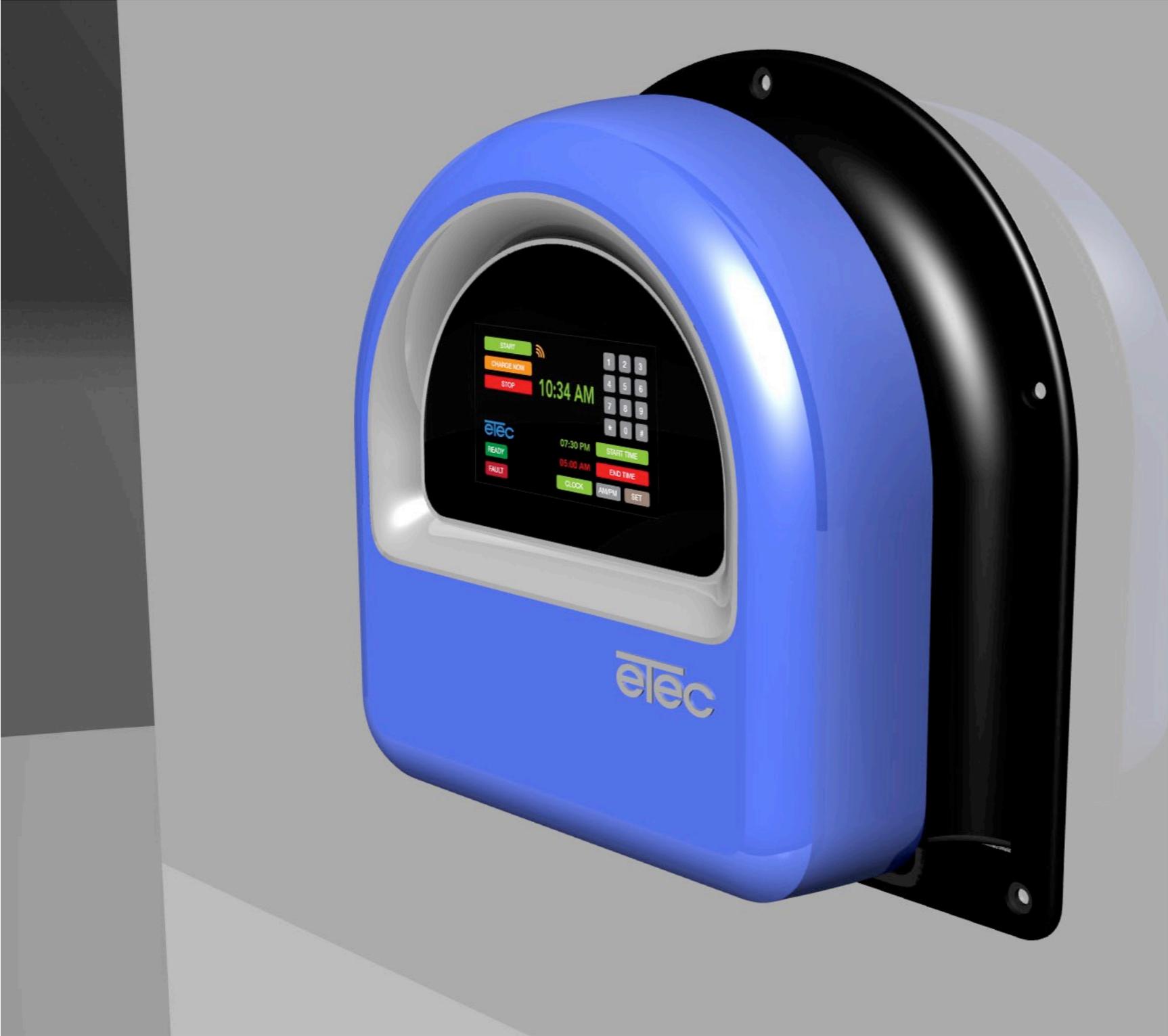
Two-piece Housing



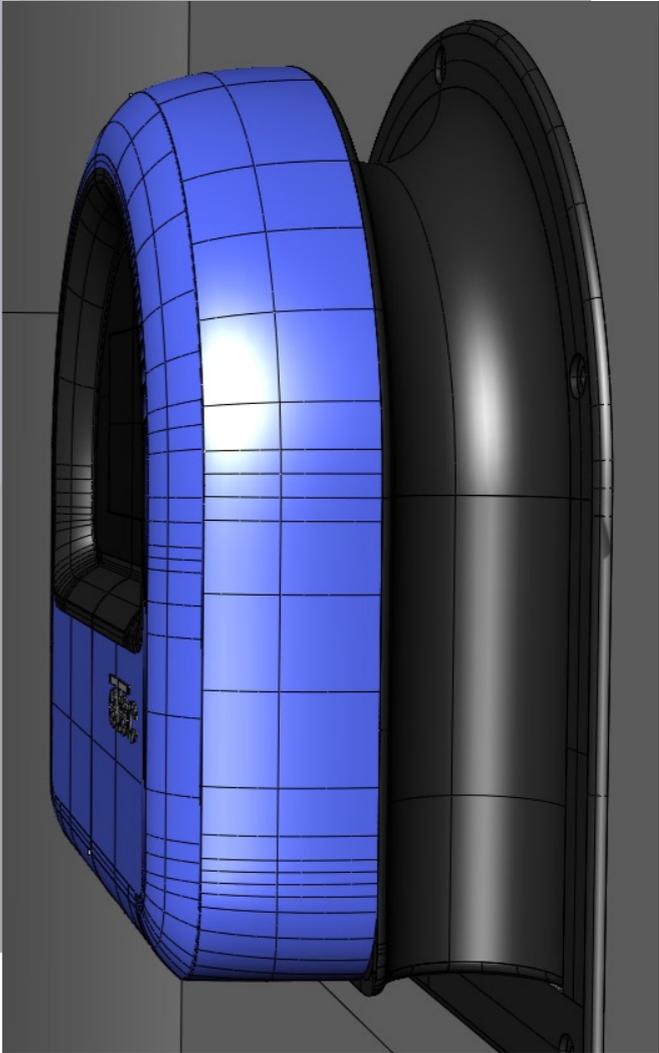
Features:

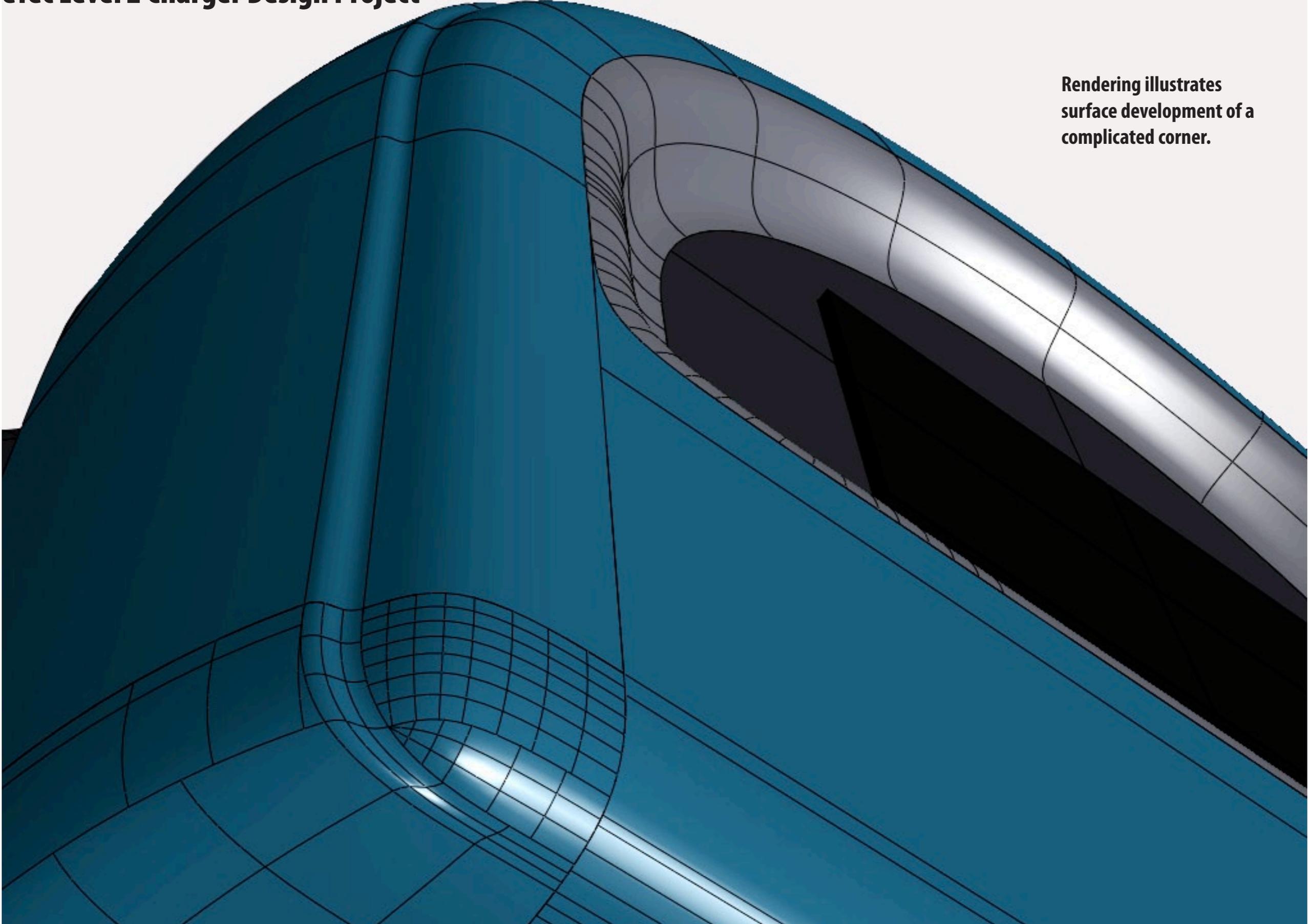
- 1. Two-piece Housing
- 2. Front Cover screwed from back where cable stores.
Front Cover is removed for mounting, service, and Electrician access.
- 3. Electronics covered to restrict access. Cover allows access around it to holes provided in back of Housing to secure unit to wall or post.
- 4. Electrician access beneath Electronics Cover
- 5. Knockouts provided for a variety of wiring scenerios

GSMTA
PERFORMANCE DESIGN
071509

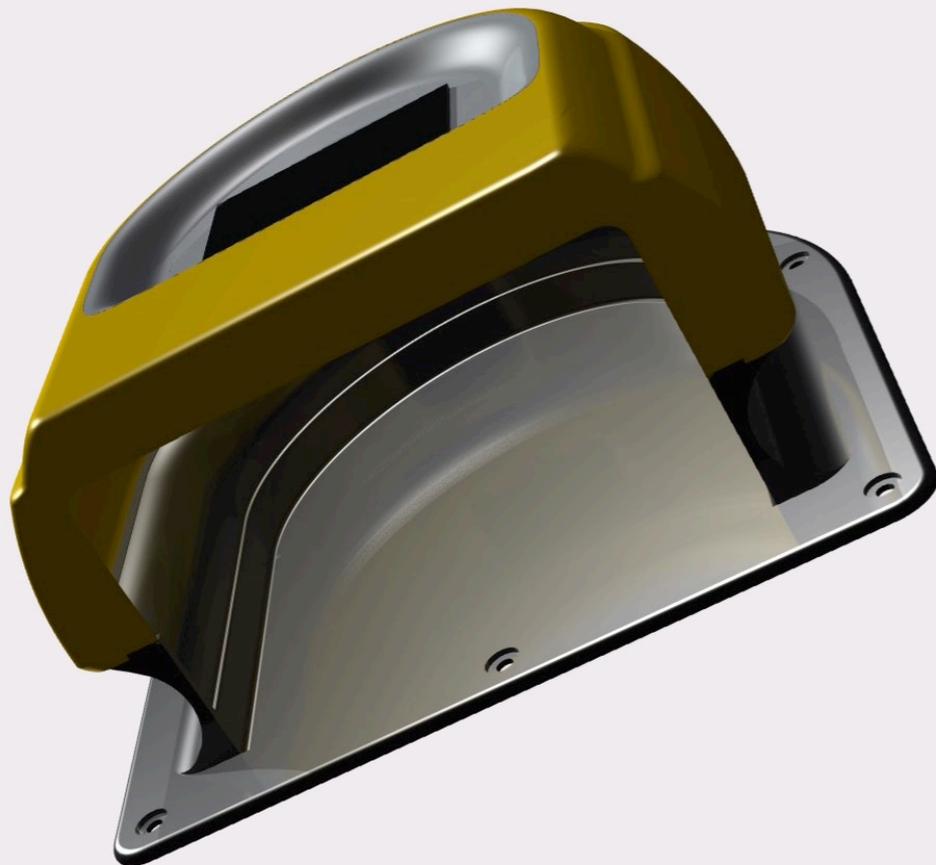


This was the final version of the Level 2 Charger design. The only eTec design parameters was the ability to wrap the cable around the housing, and that there be room to house the mechanicals. The design is original. Rhino 3D.





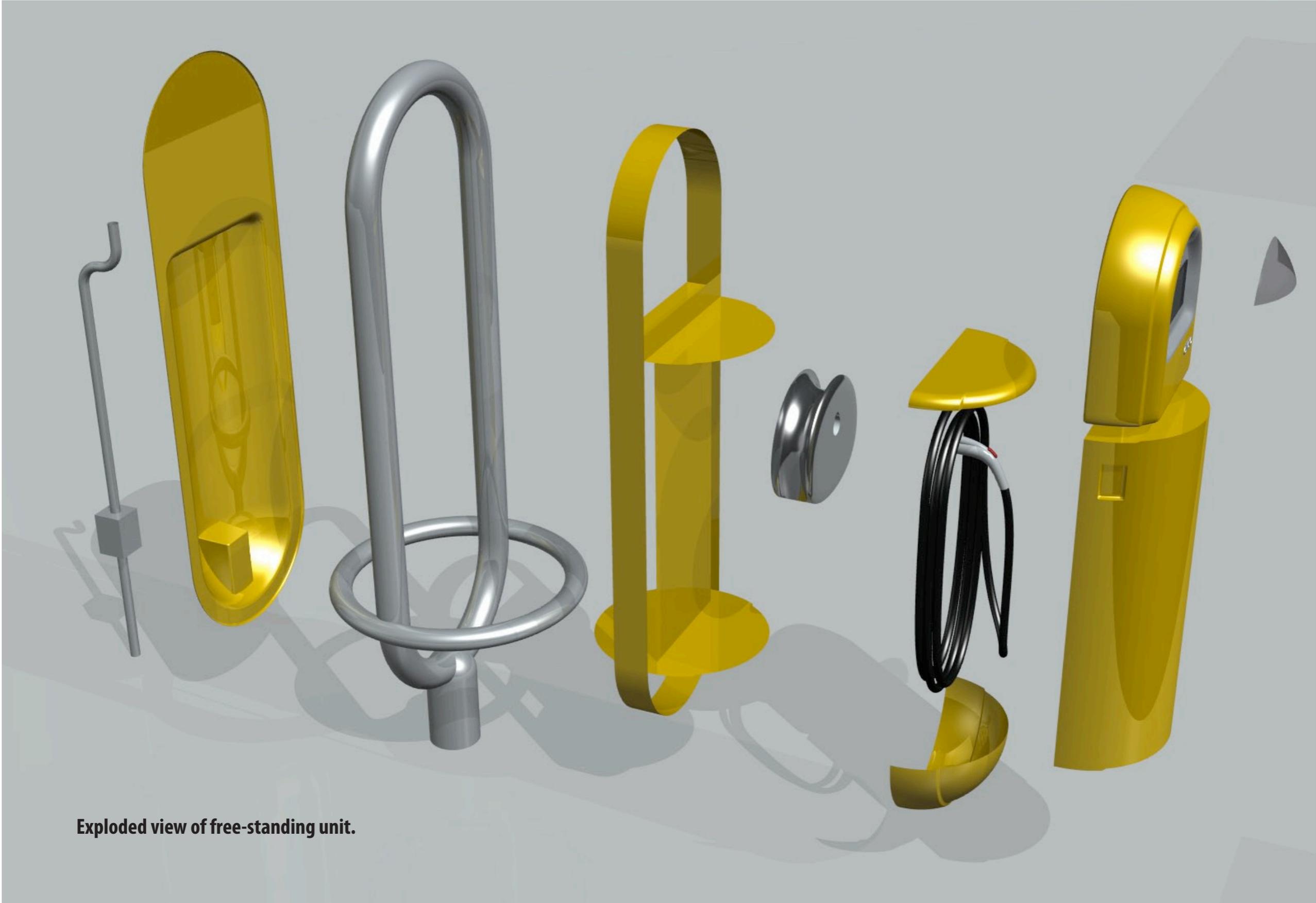
Rendering illustrates surface development of a complicated corner.



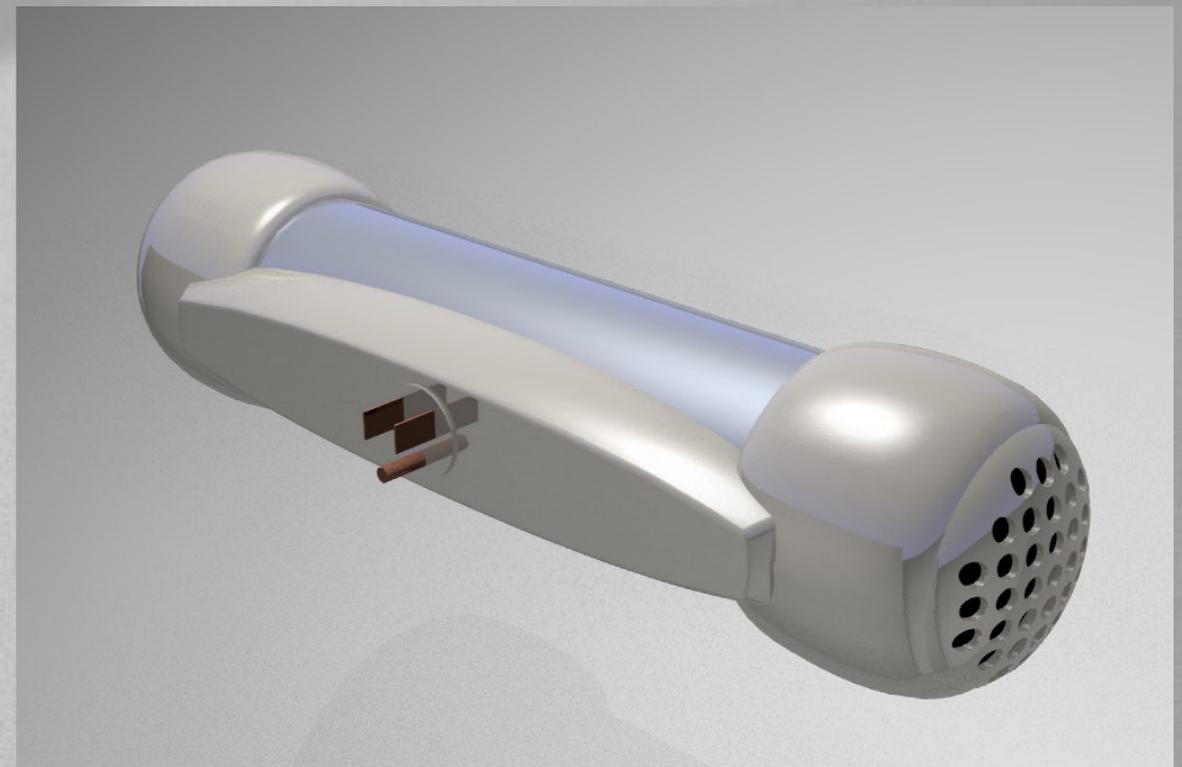
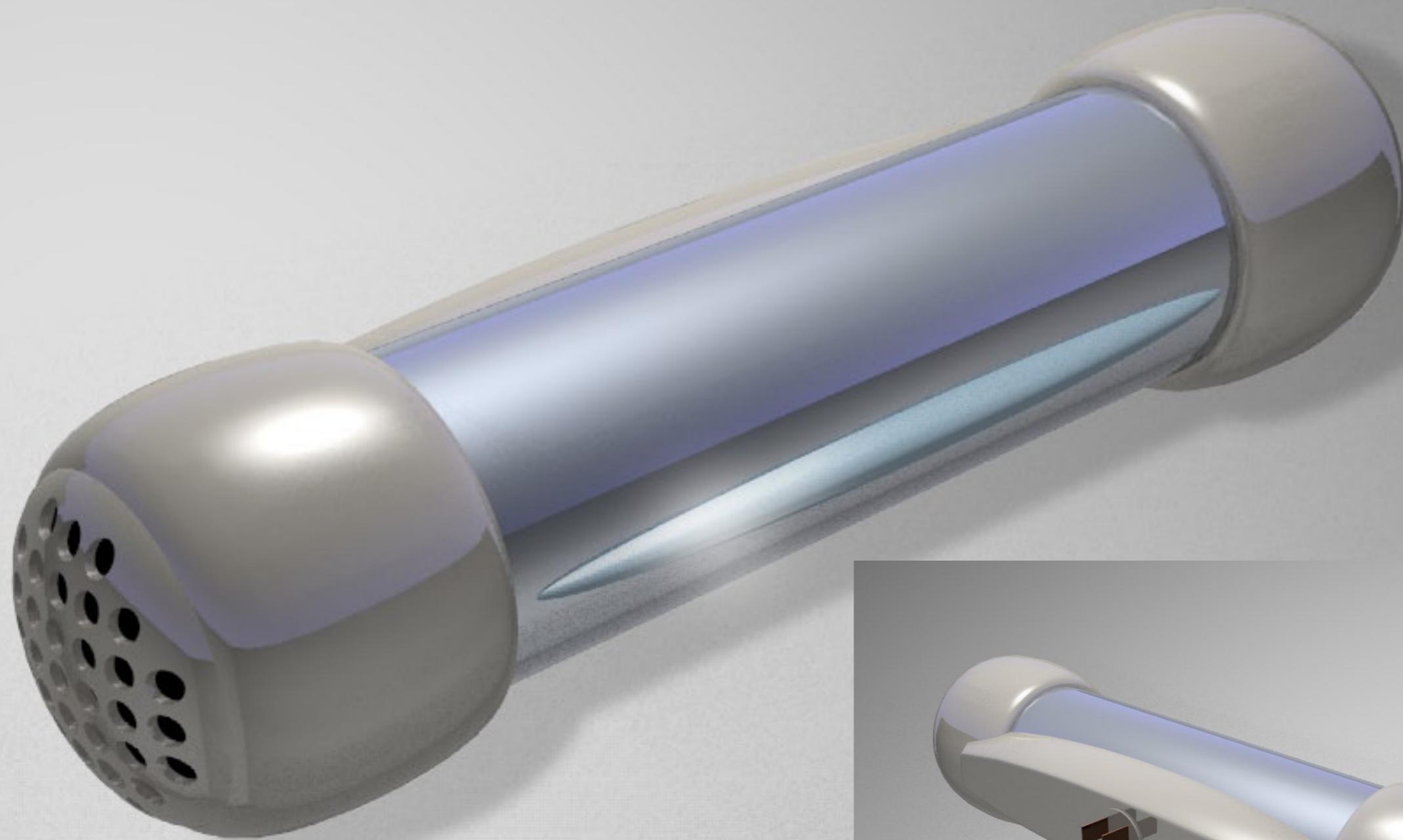
An earlier version showing how the horseshoe mount could be molded. I came up with this solution to be able to use the housing shell on both the wall mount and the free-standing unit, and so the shell could be slightly restyled for specific customers.

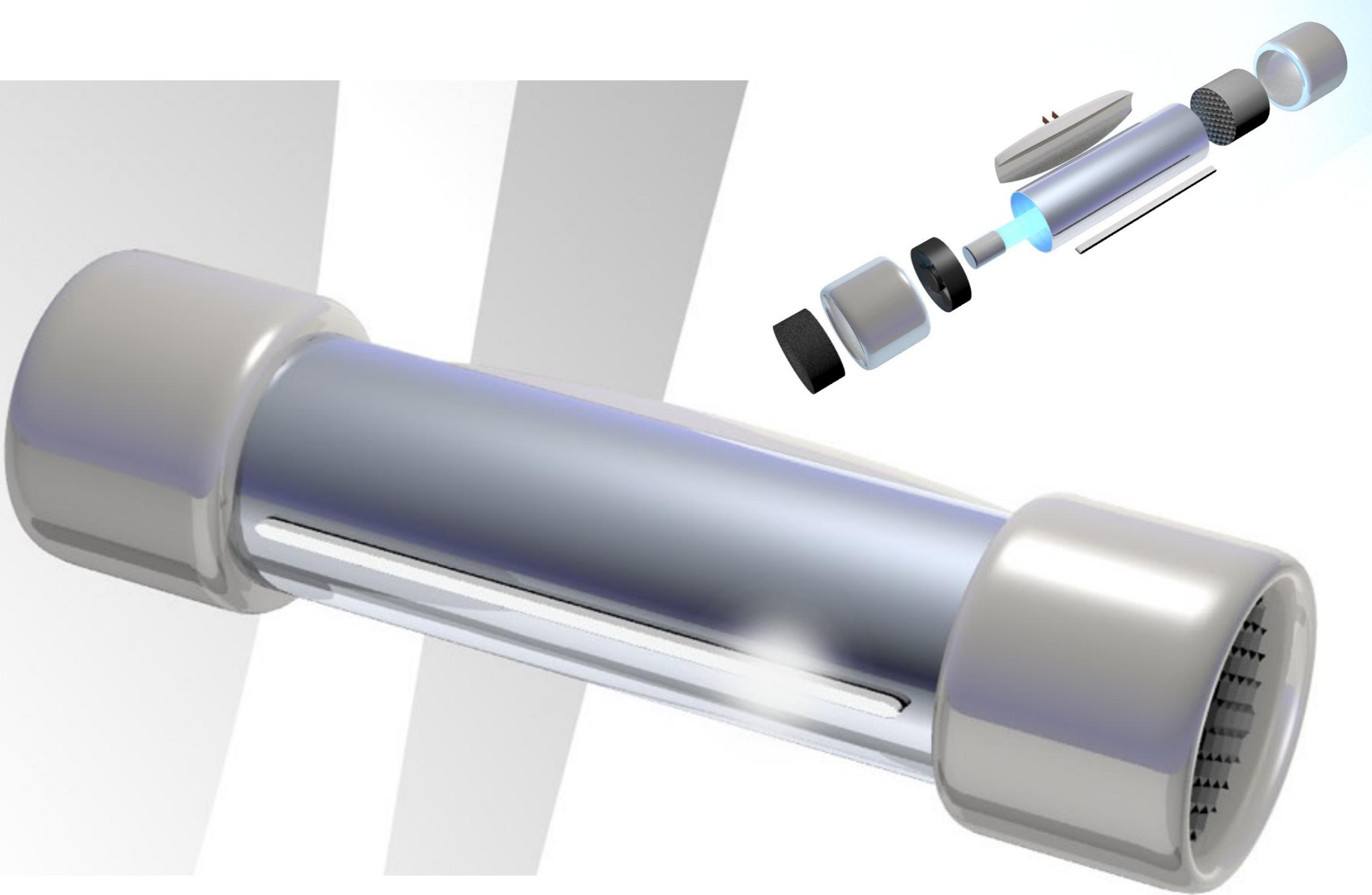


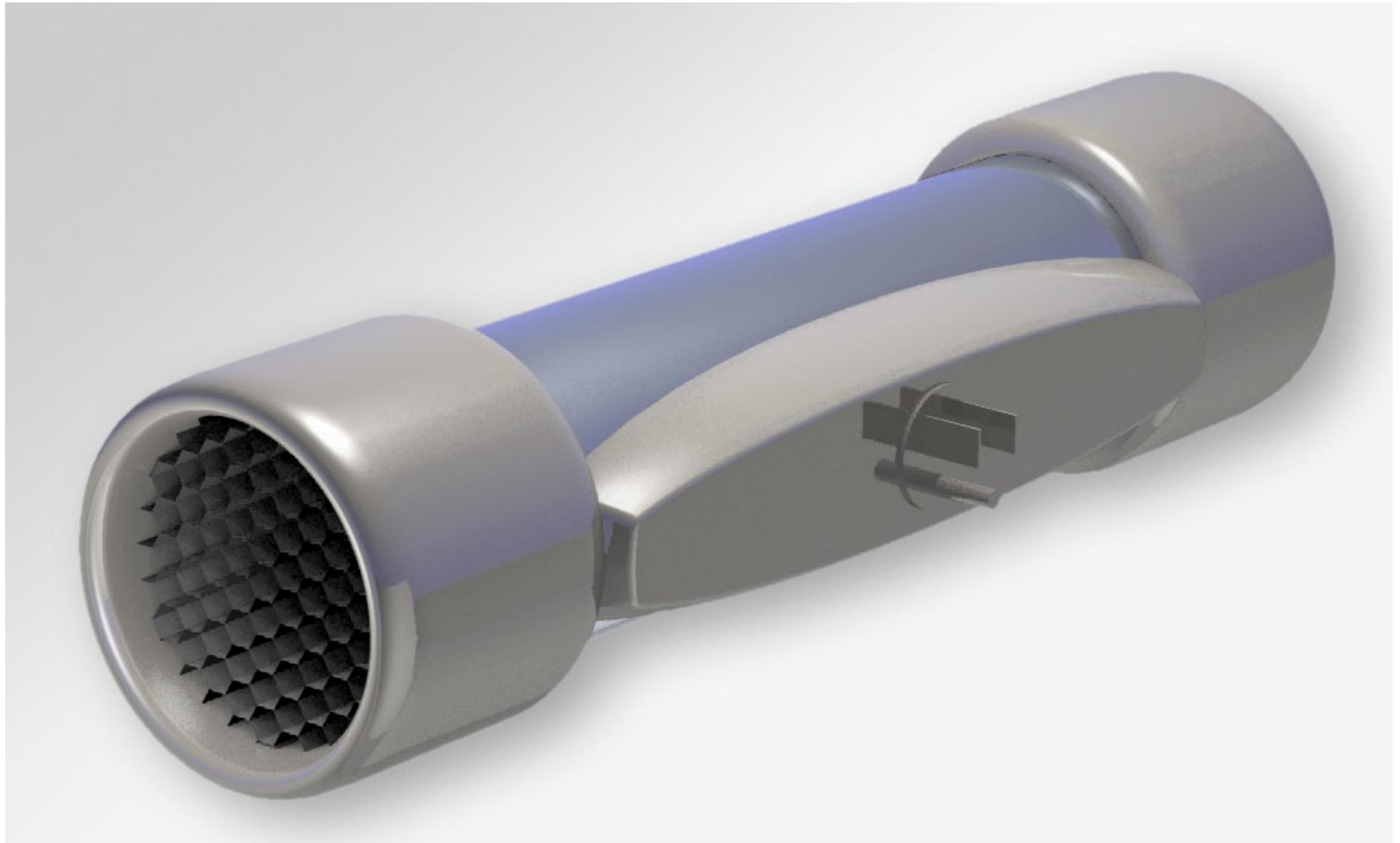
This rendering shows how the wall mounted unit is designed to be used without change for a free-standing model. Also shown is the free-standing model open, closed, and the rear of the unit. The door is self storing to eliminate issues associated with an exposed, hinged cabinet door. Pipe supports and protects the unit.



Exploded view of free-standing unit.





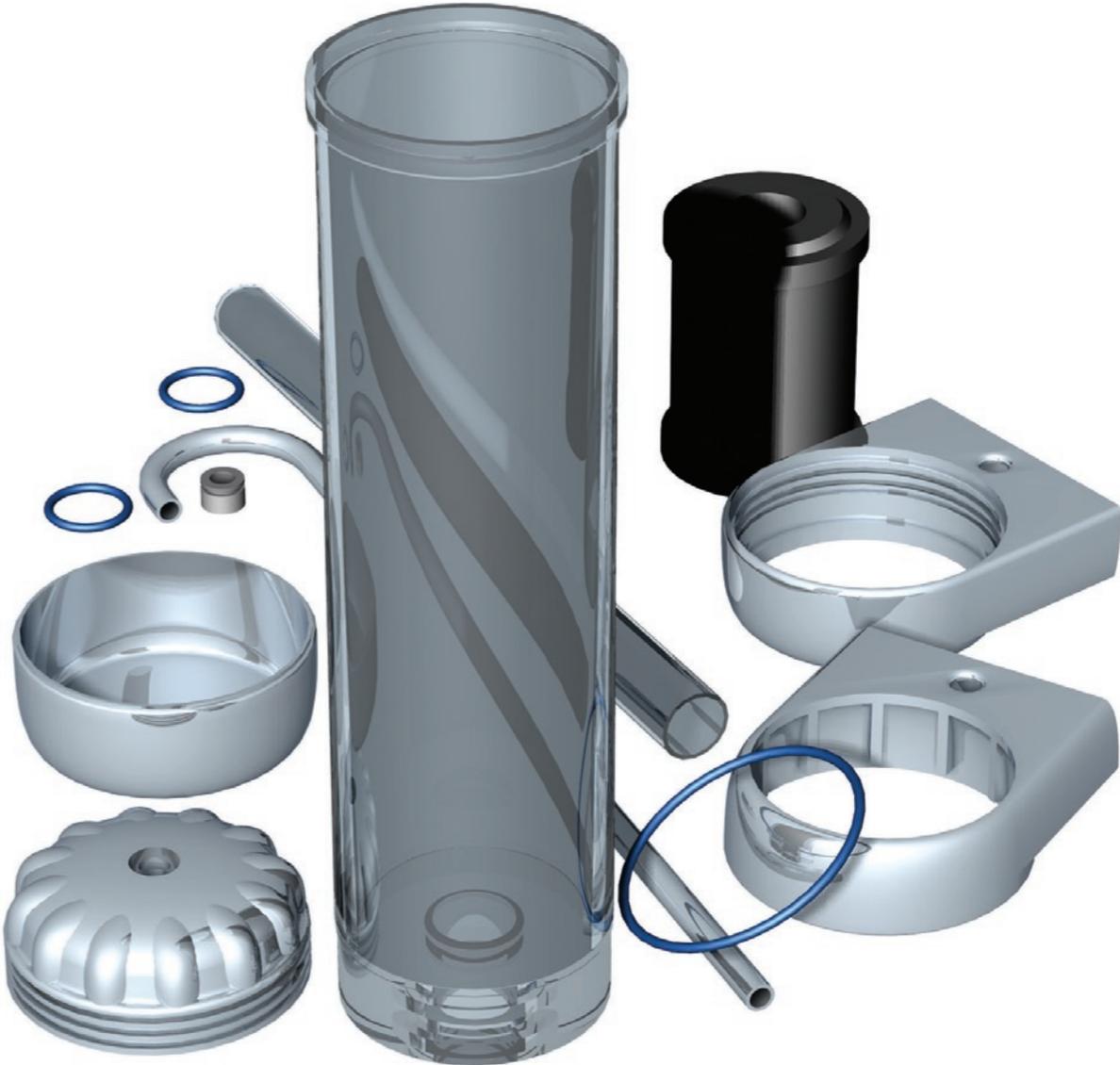




Vortex Water Machine Design—Production Design and Cutaway

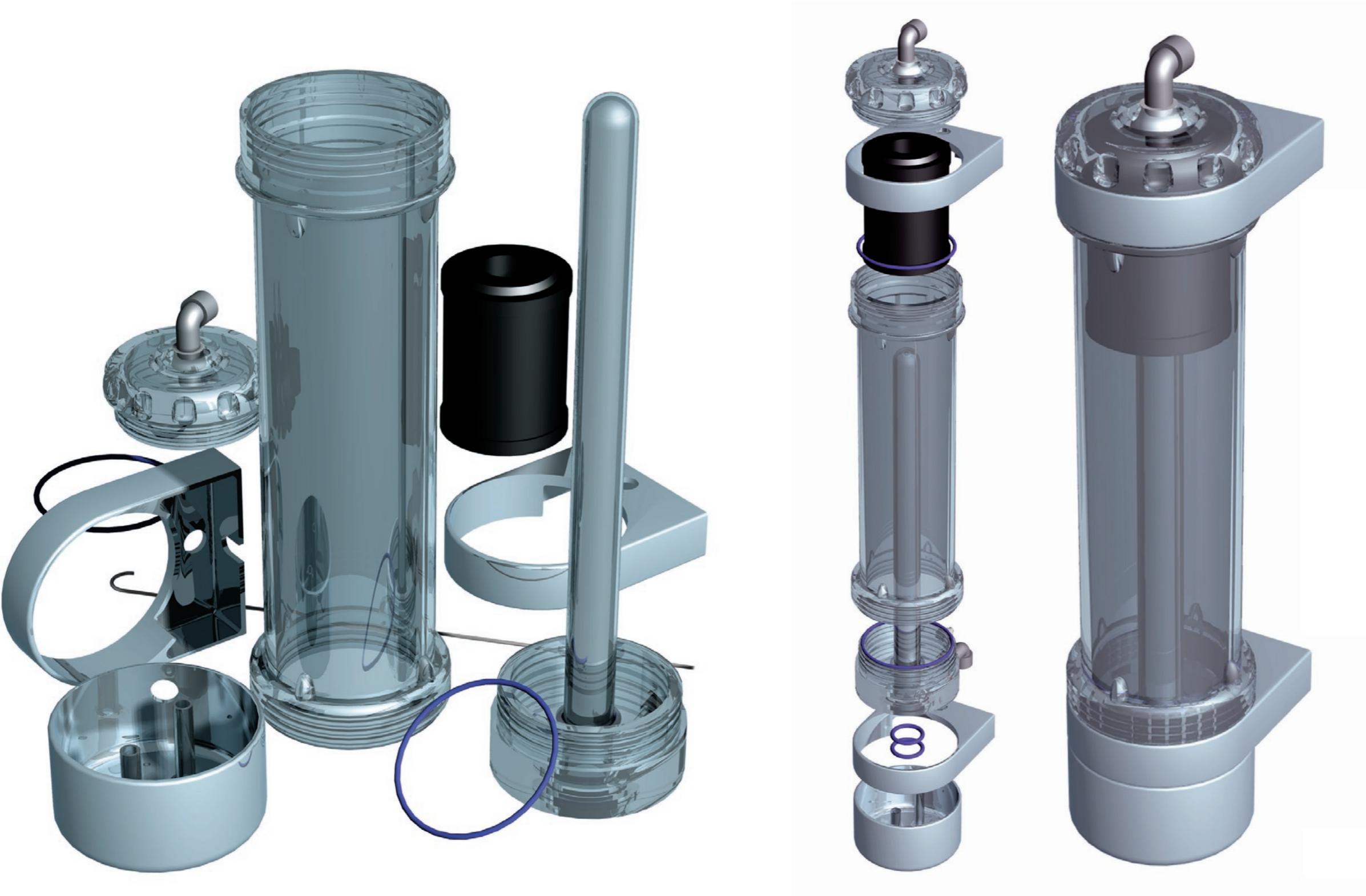


VORTEX



Design variation with sump instead of lower end cap.





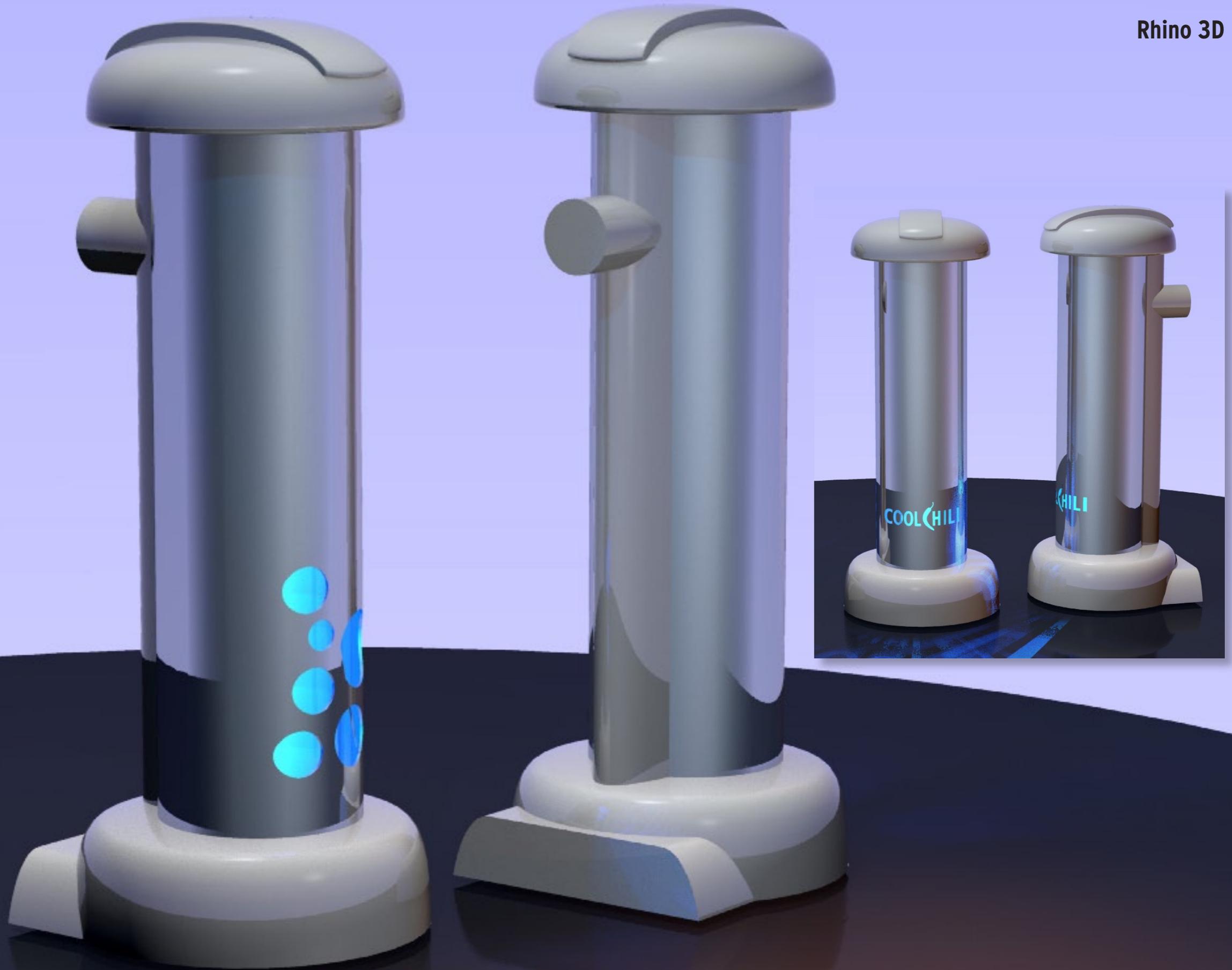
Design variations.



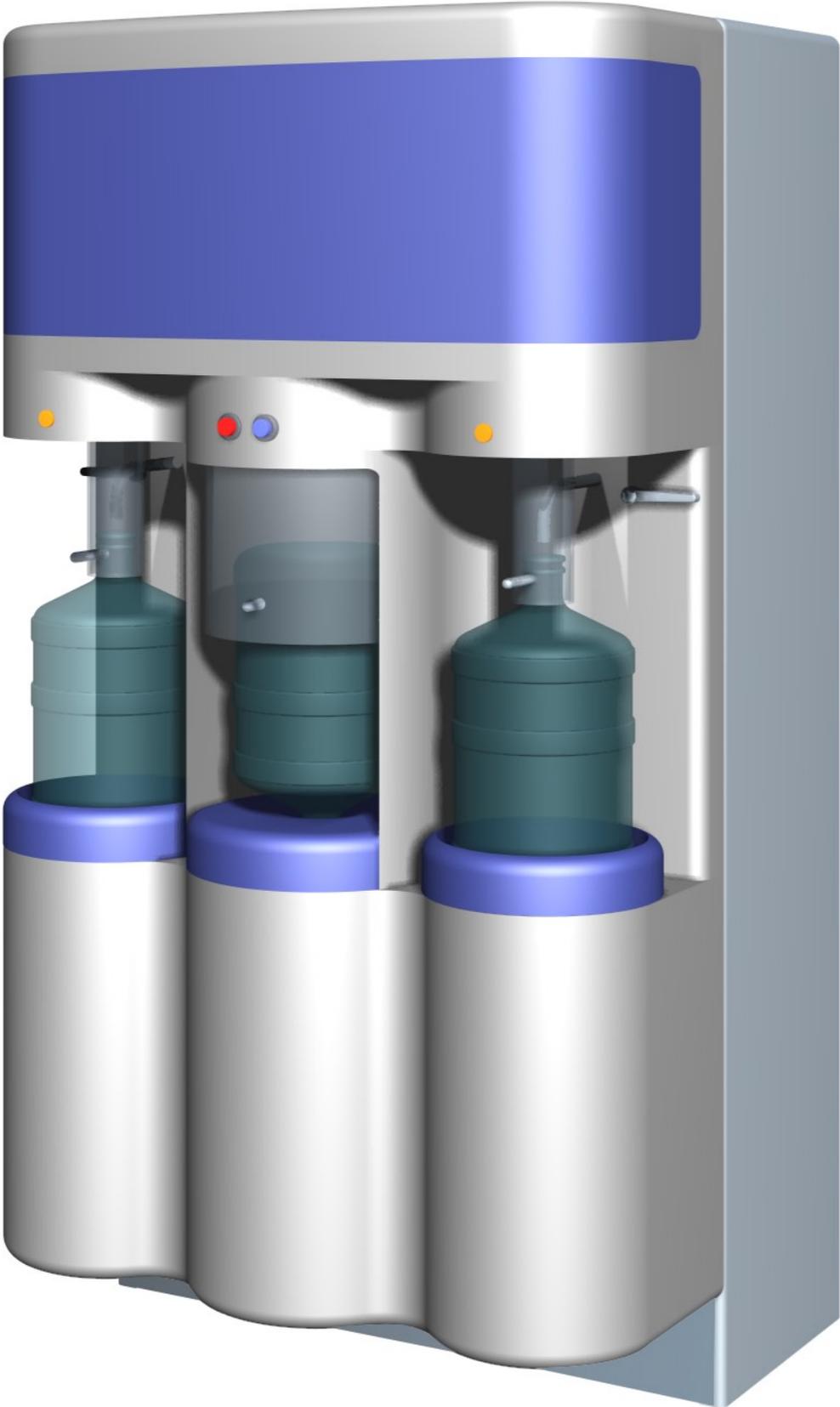


All new 3-part design proposal with inverted sump





5-Gallon Water Bottle Cleaning and Purified Water Dispensing Units Proposals





Level 1



GDSMITH • 100306

Level 2



Level 3

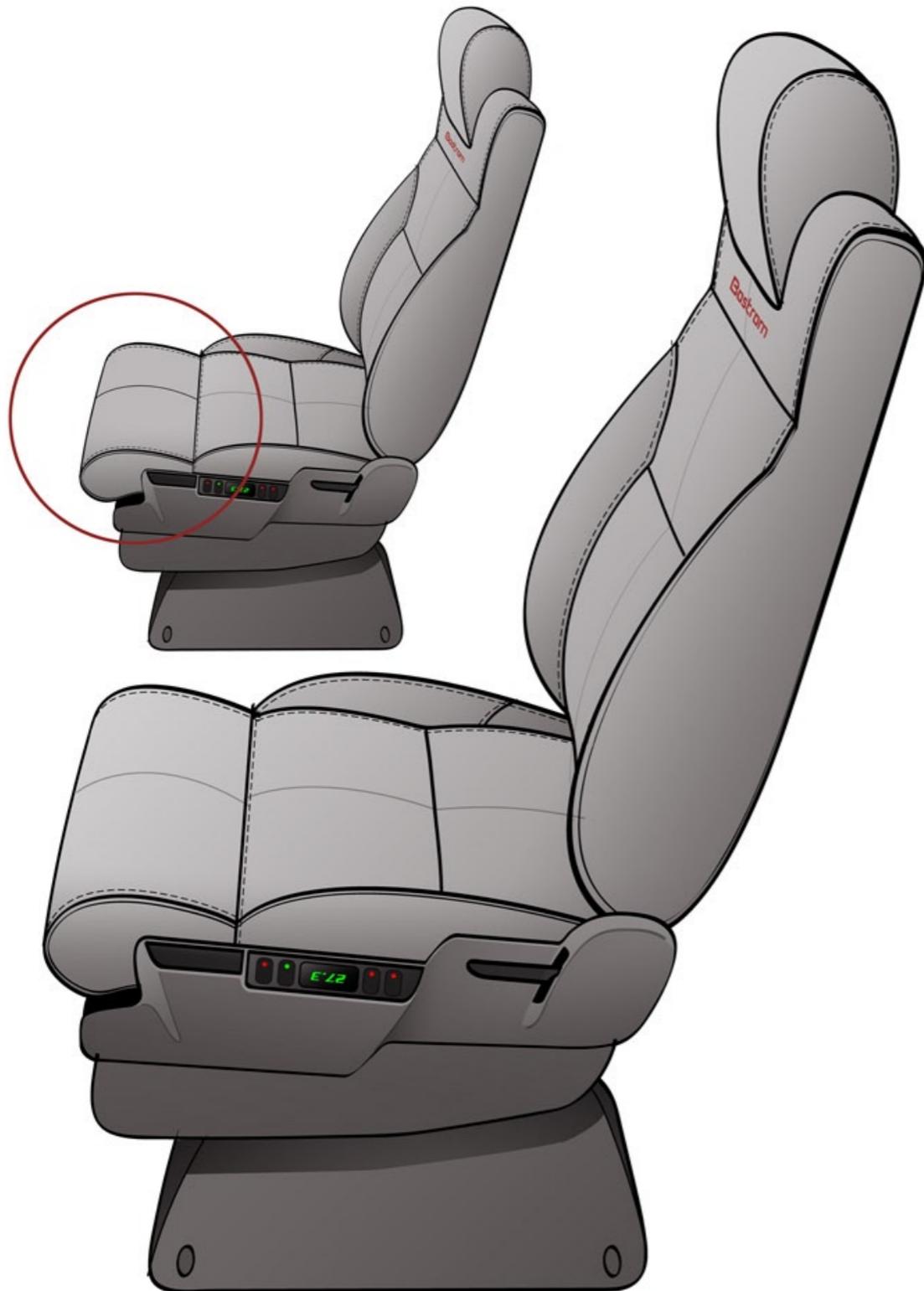


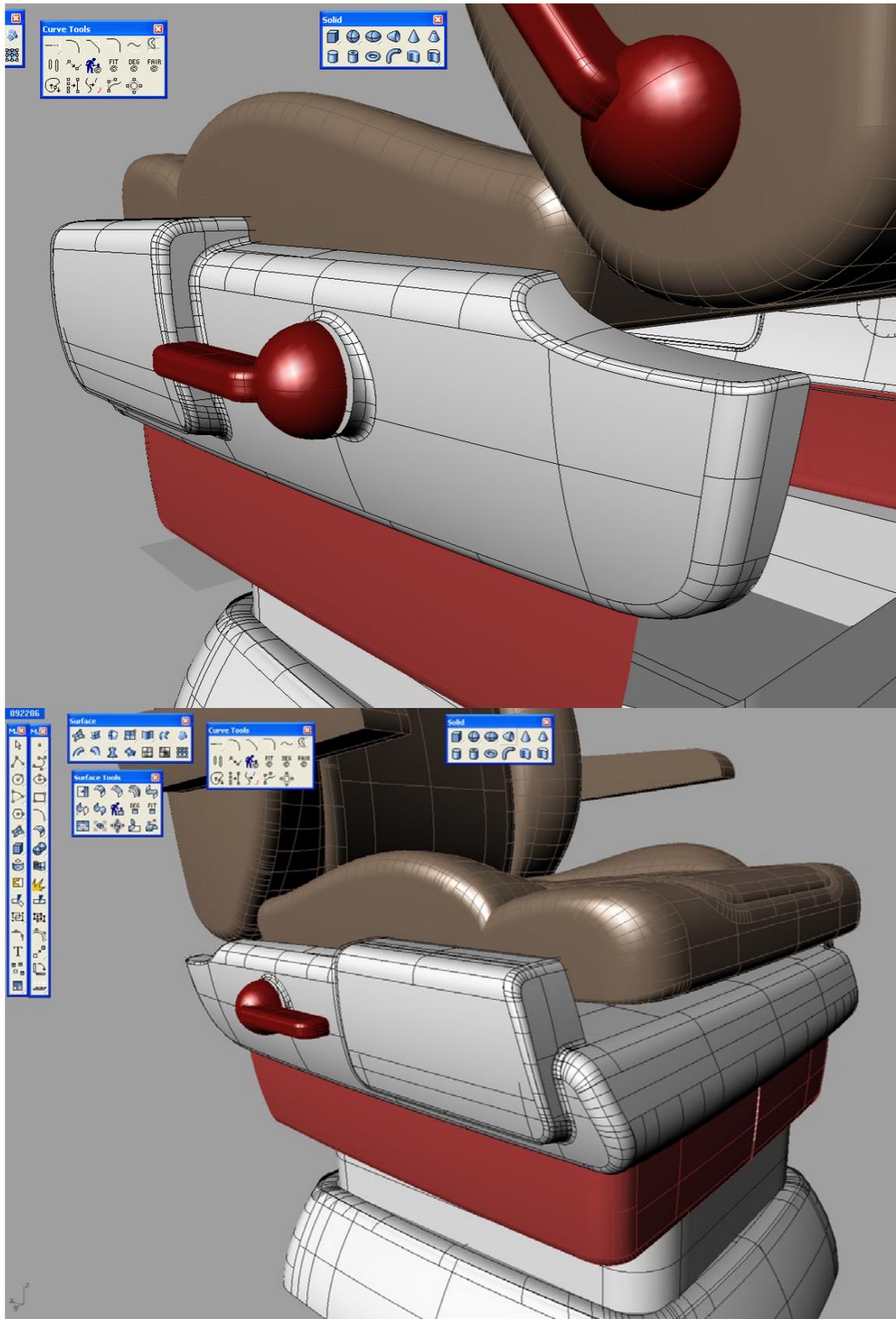


Commercial Truck Seating Project—Styling Proposals

Rhino 3D, Illustrator, Photoshop

I came up with an adjustable thigh

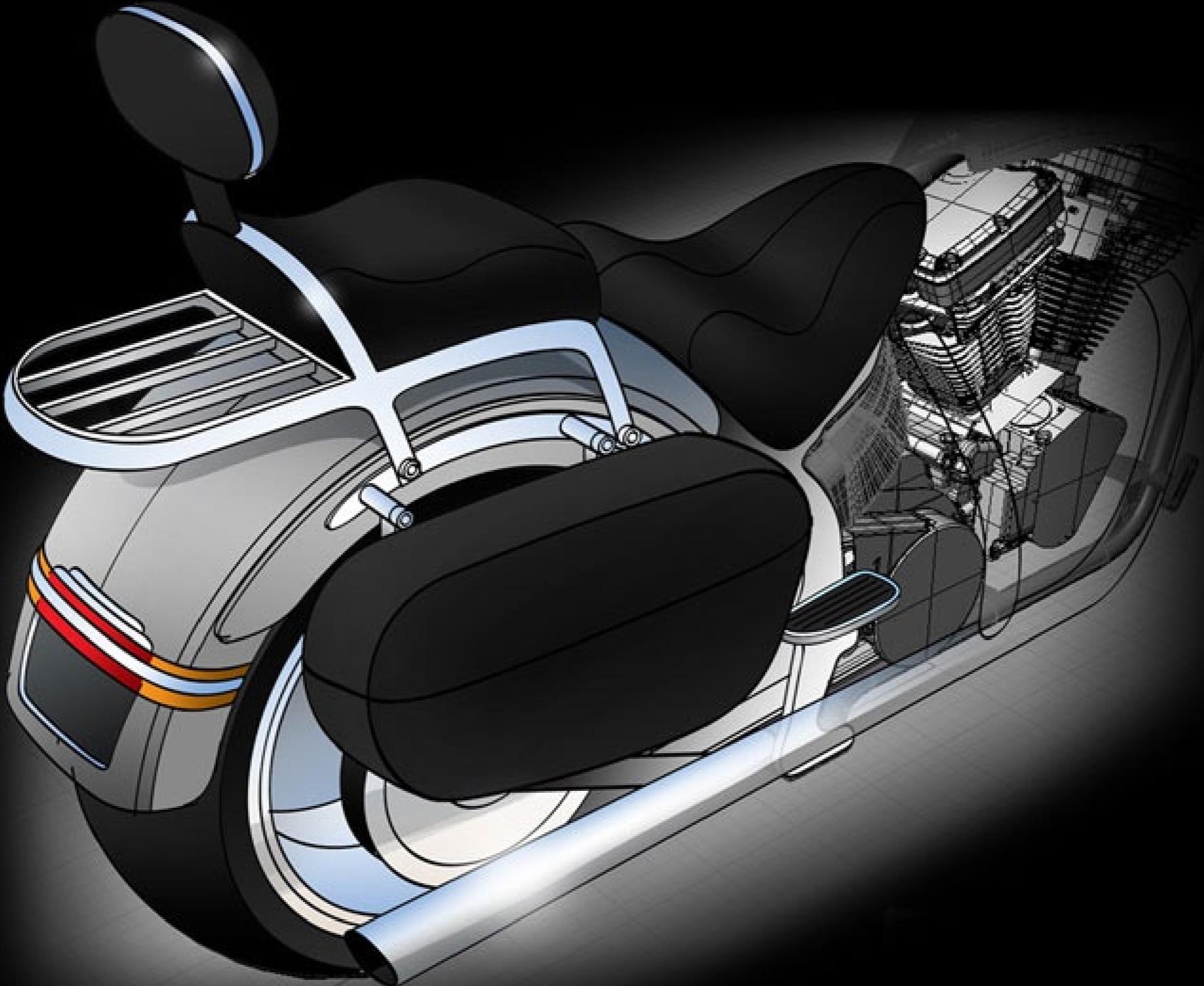




I did not model the seat.



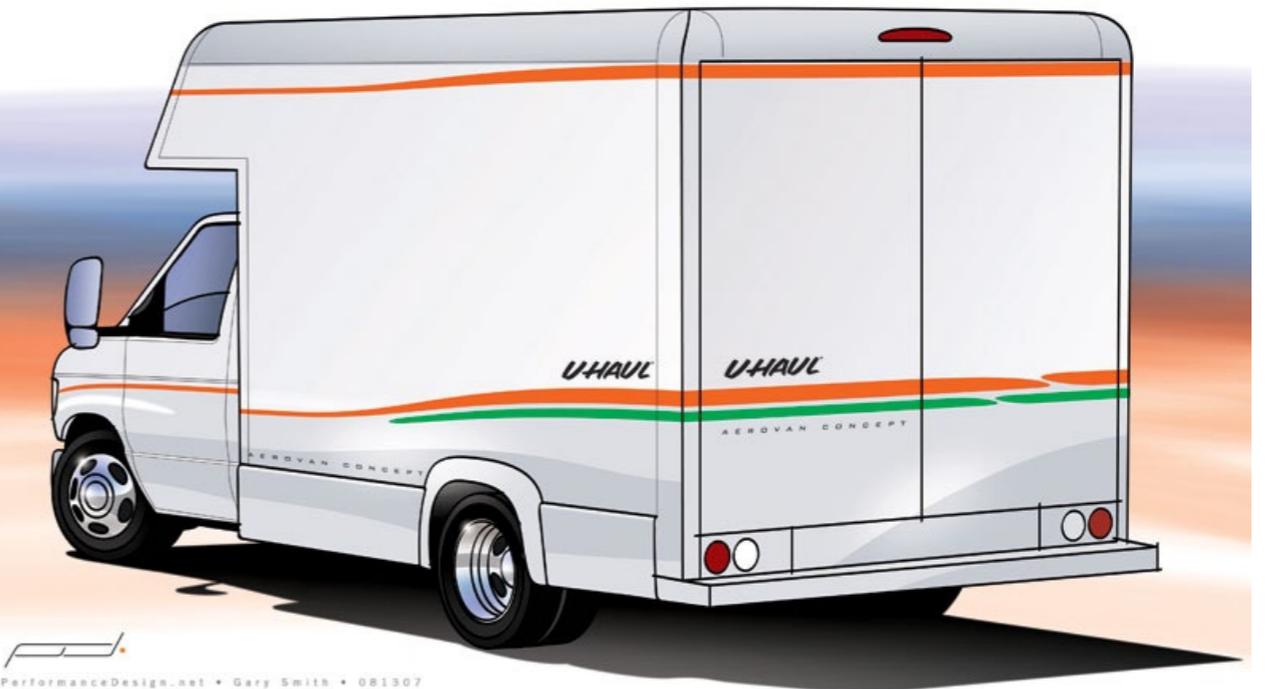
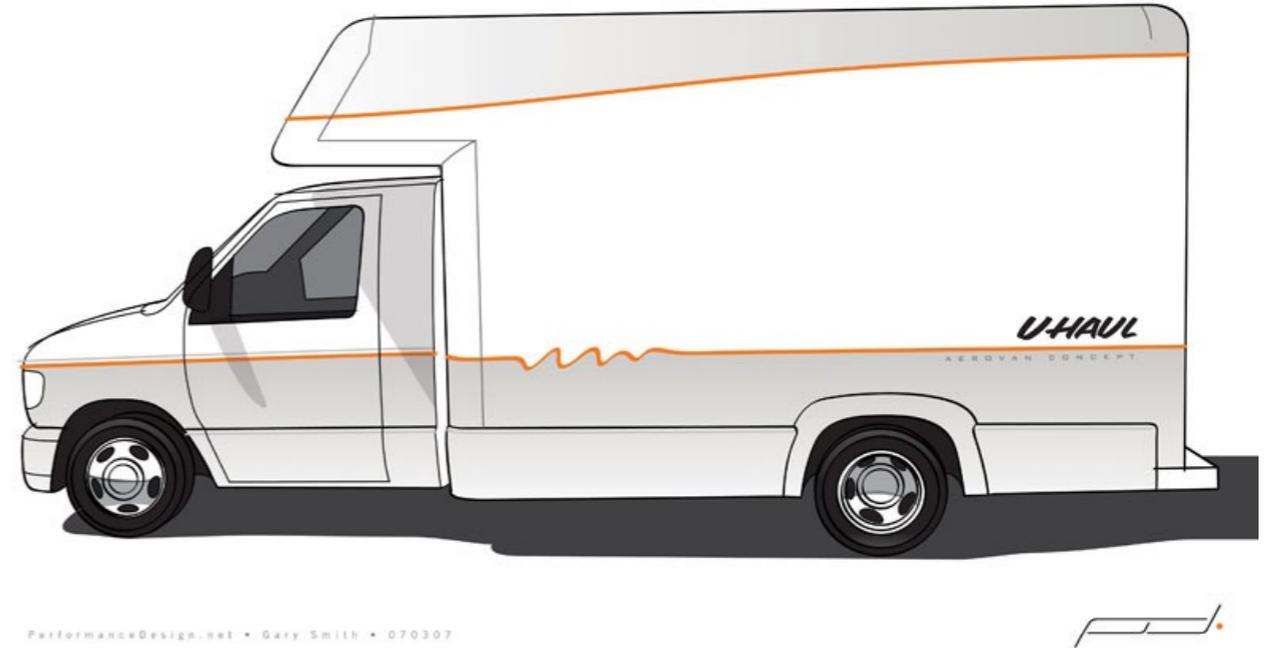






U-Haul Aerovan Graphics Proposals

Illustrator, Photoshop





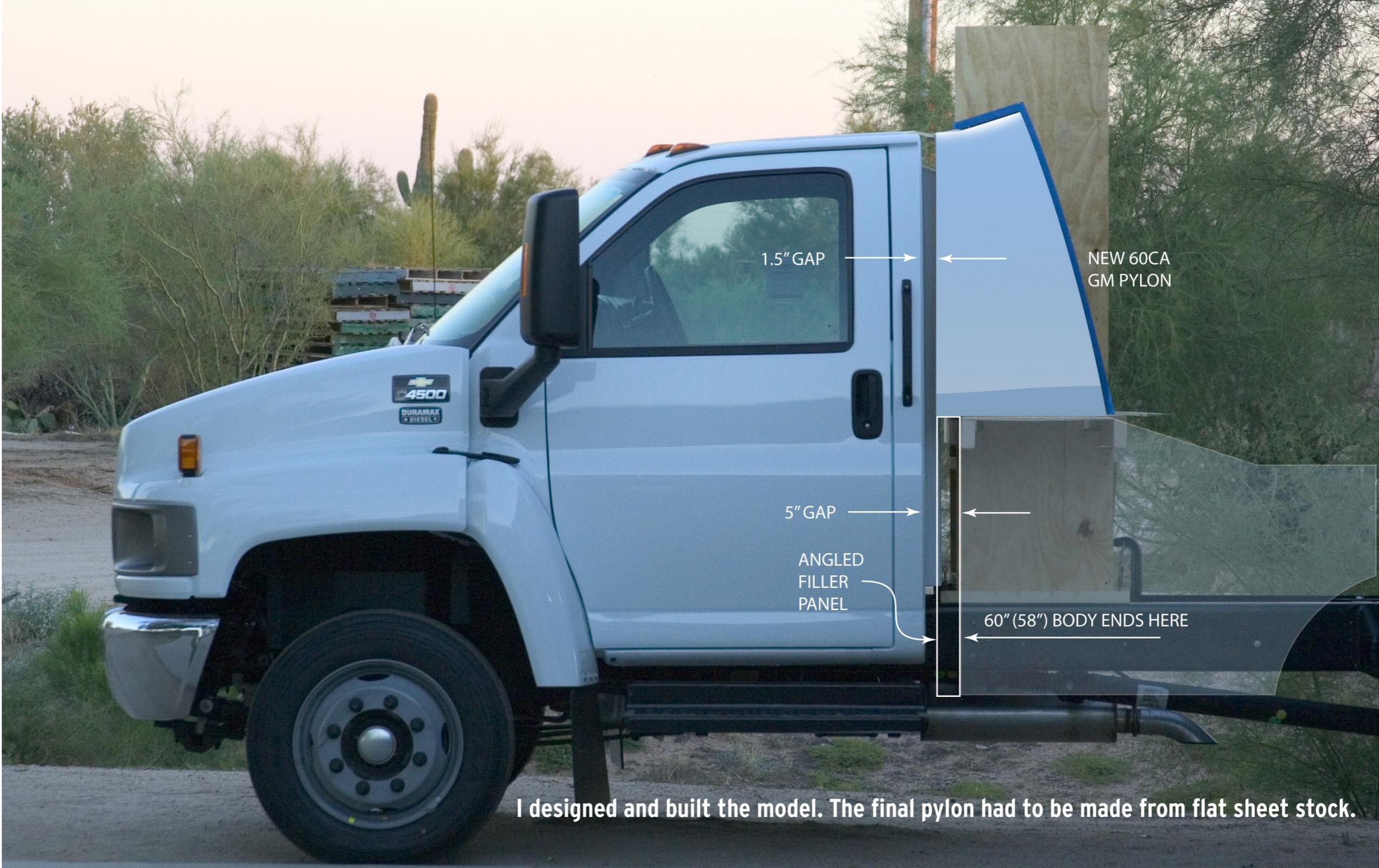
U-Haul Sport Trailer

I created the styling of the trailer and helped developed the full-scale model of the prototype.



GMC/Chevrolet 4500 60CA Pylon Design

I created the styling of the pylon and built the full-scale model.



GMC/Chevrolet 4500 60CA Pylon Design



GMC/Chevrolet 4500 60CA Pylon Design



GMC/Chevrolet Pylon Design



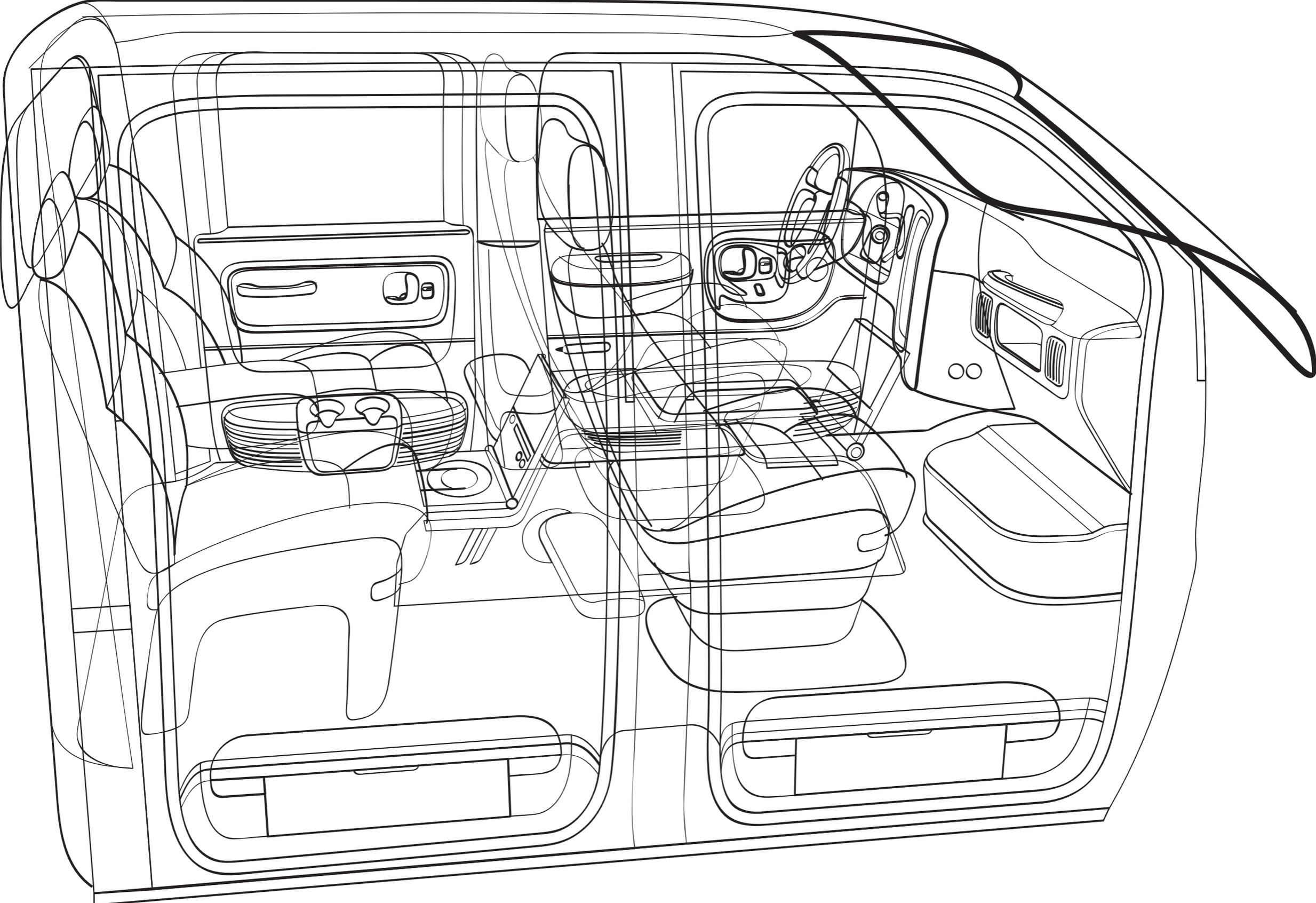
Photo by Gary D. Smith

GMC/Chevrolet 4500 Interior Upgrade Proposal—Left Rear Seat Extended

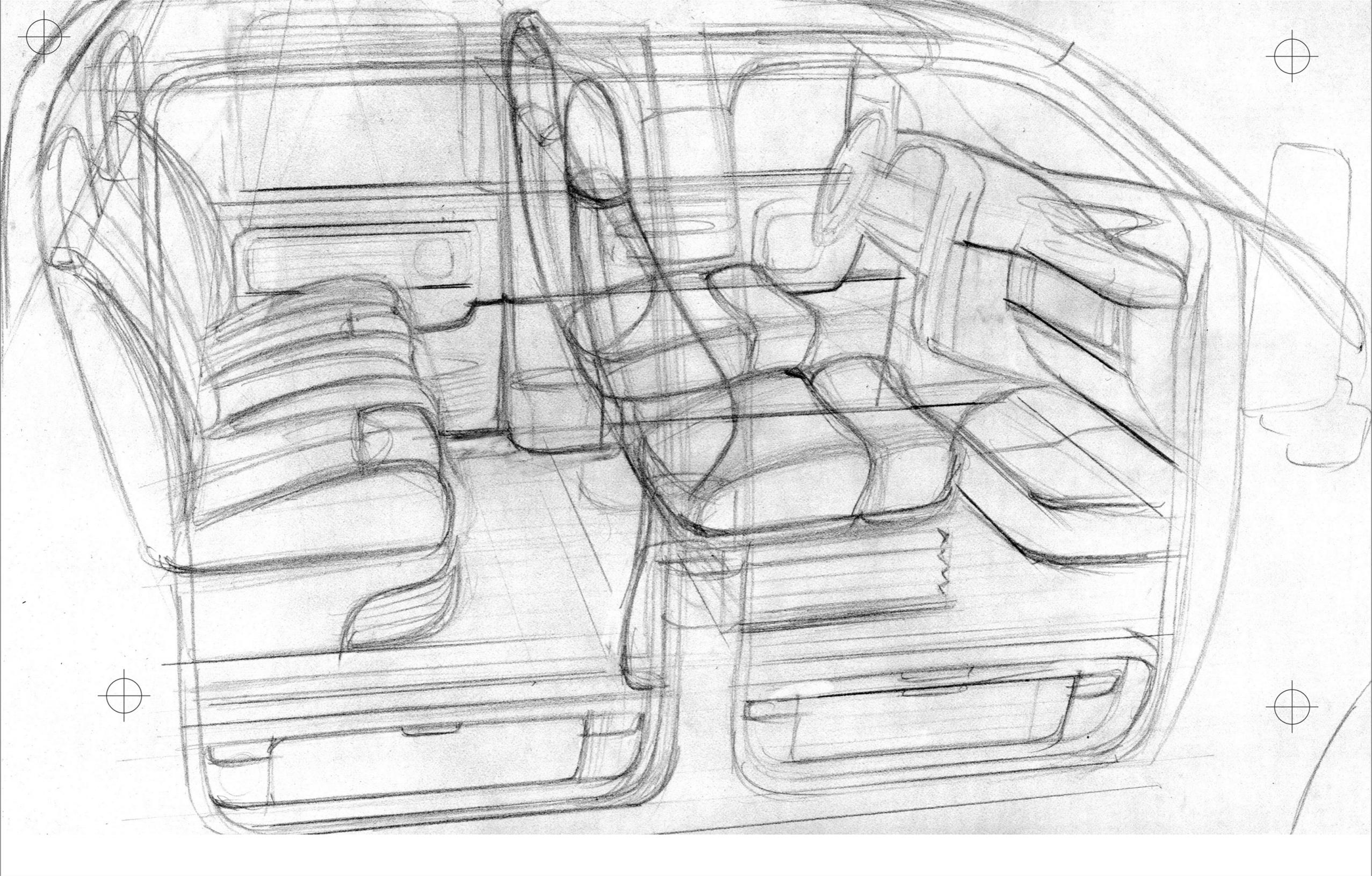
Illustrator, Photoshop



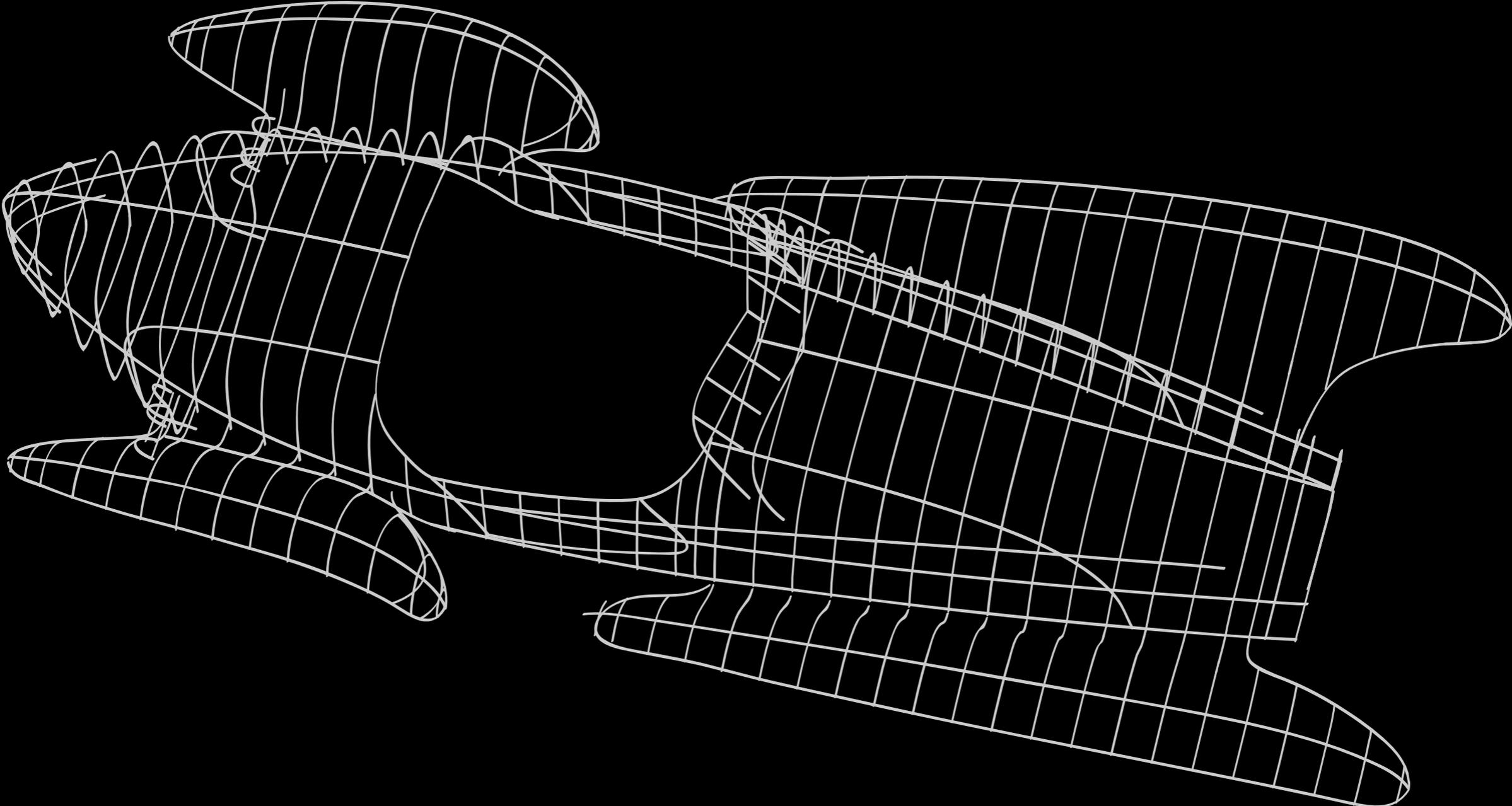




GMC/Chevrolet 4500 Interior Upgrade Proposal–Sketch Underlay



Bugatti Type 57/59 Body Design



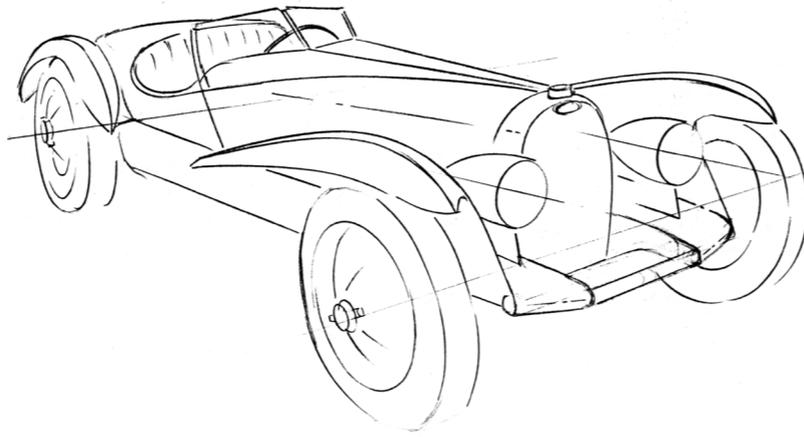
1935 Bugatti Type 57/59 Body Design

This Type 59 chassis and running gear apparently never had a Bugatti body. The parts were purchased and changed hands several times. In the late 70s a design was proposed by the late Dave Holl of GM Design Staff, who was a friend of the owner at the time. Dave gave his loose sketches to Gray Counts (who was at the time a designer in Buick Studio) to come up with a presentation rendering for the owner at the time.

An unsuccessful attempt to build a body for the car was made in aluminum before I became involved. I became friends with a chassis fabricator in Scottsdale, Arizona, who happened to be keeping the unfinished car for its new owner, and was attempting to create fenders from foam. I convinced the owner of the car that there were serious problems with the surface development of the body as it was, and that the design method employed by the fabricator to create the fenders was terribly unforgiving, time consuming and would not produce the desired results.

I created renderings showing what was wrong with the current car and proposed changes to correct it, as well as proposing the creation of an accurate 1/4 scale model that would be eventually digitized to create a full-size set of sections that would be used by the body fabricator to make a buck for the creation of the aluminum body.

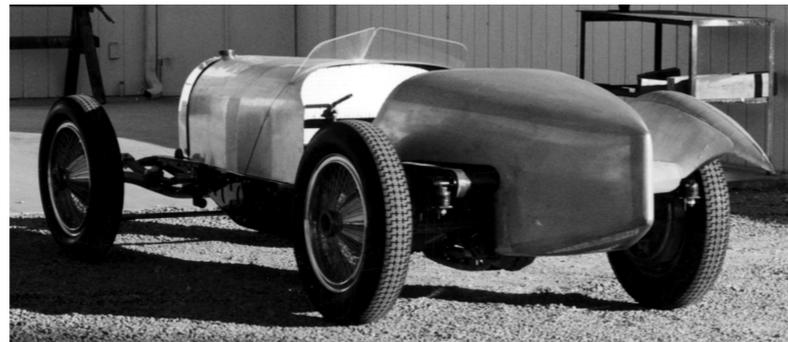
Larry Brinker, then Chief Sculptor of Nissan Design International, and I leveled and picked the car's hard points so I could design a four-view drawing that would be the basis for his armature. We worked together on the model, and it was eventually shown to the client at NDI in San Diego. The car has been shown at Pebble Beach.



Dave Holl's original sketches



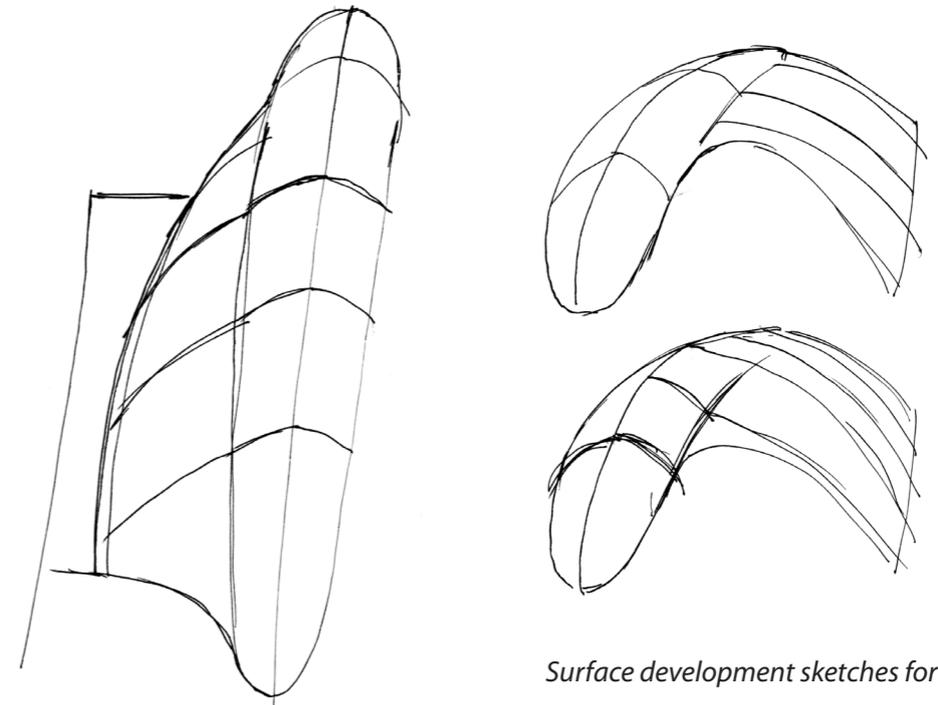
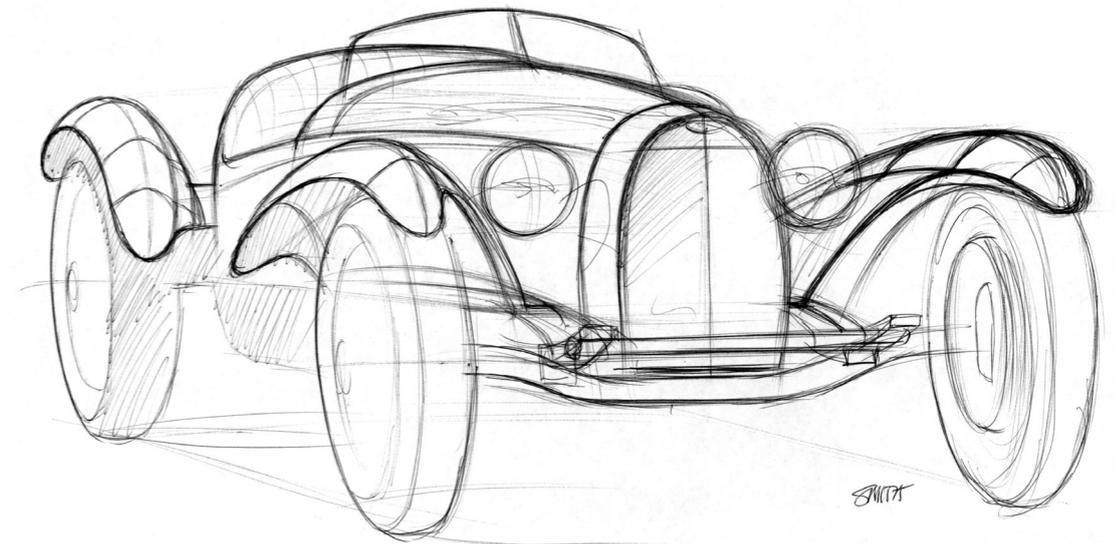
Gray Count's presentation rendering



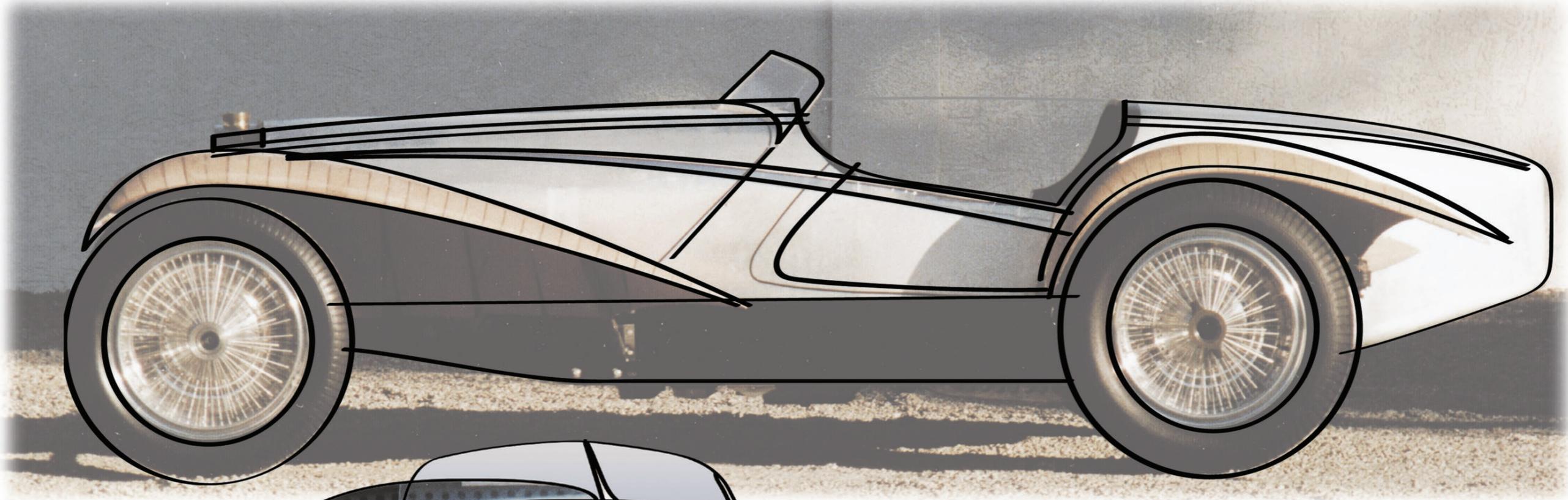
Unfinished body when I inherited the project.



Picking the car

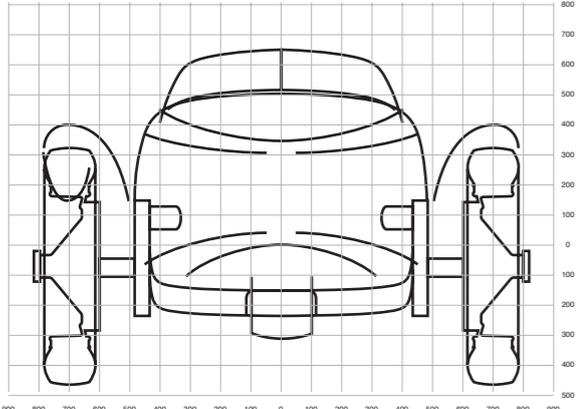
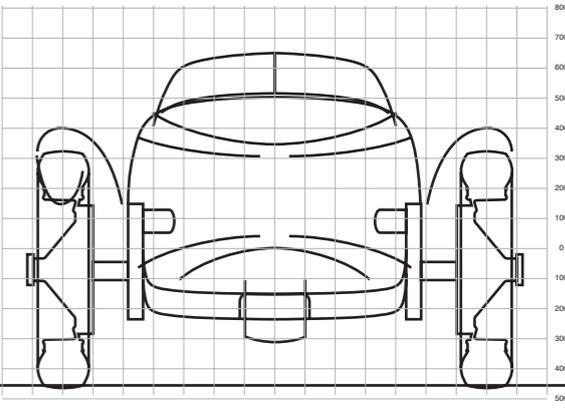
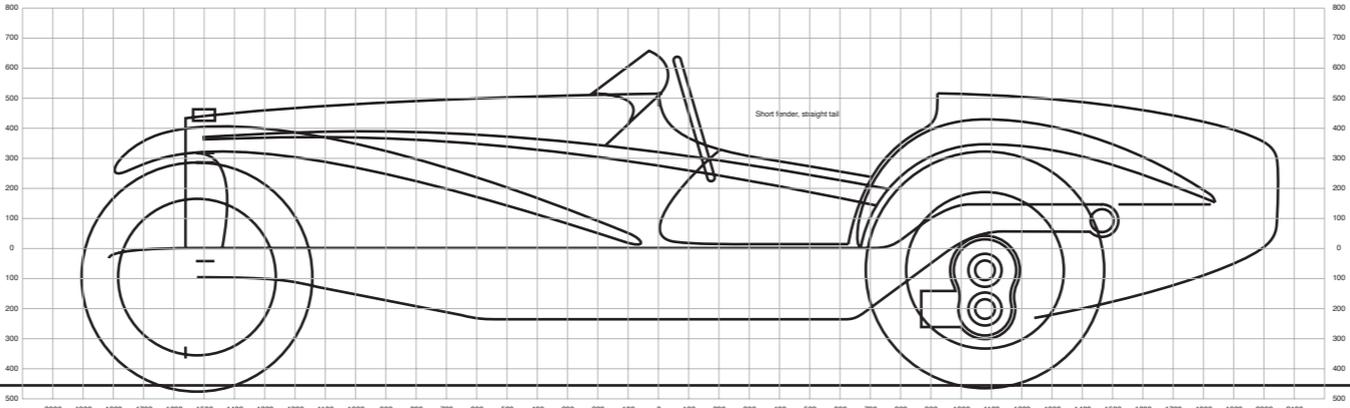
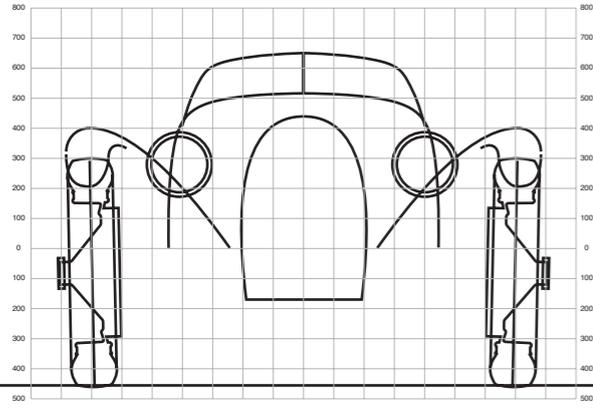
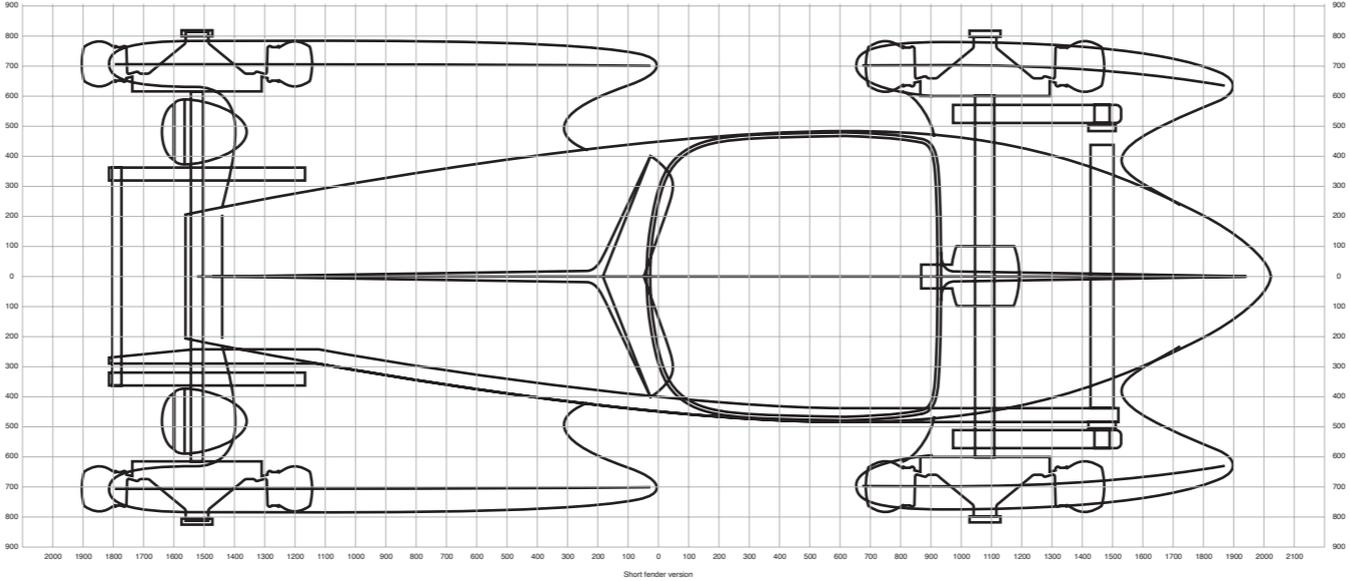


Surface development sketches for the model

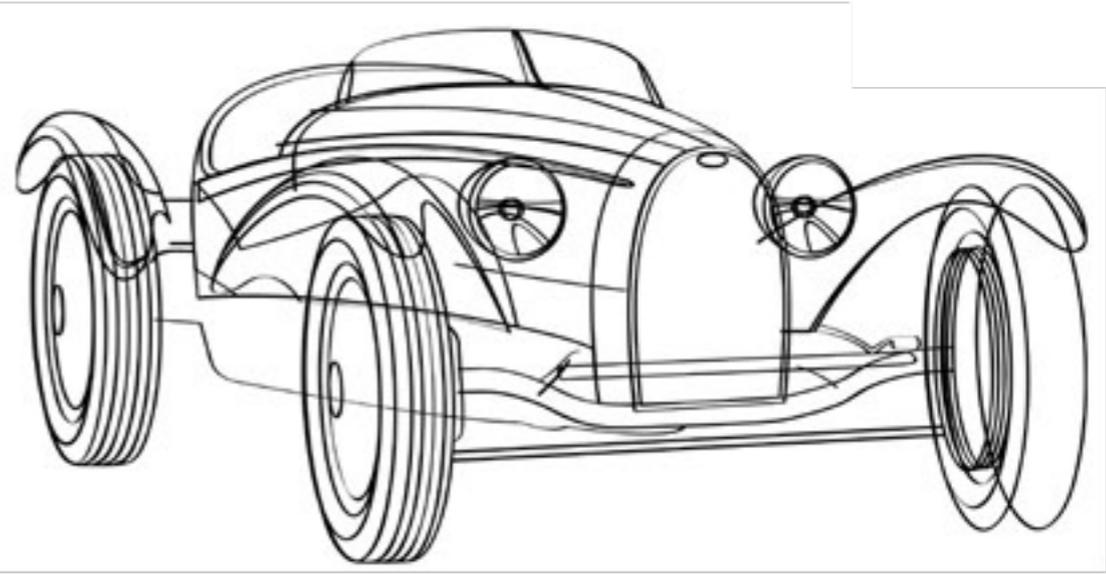
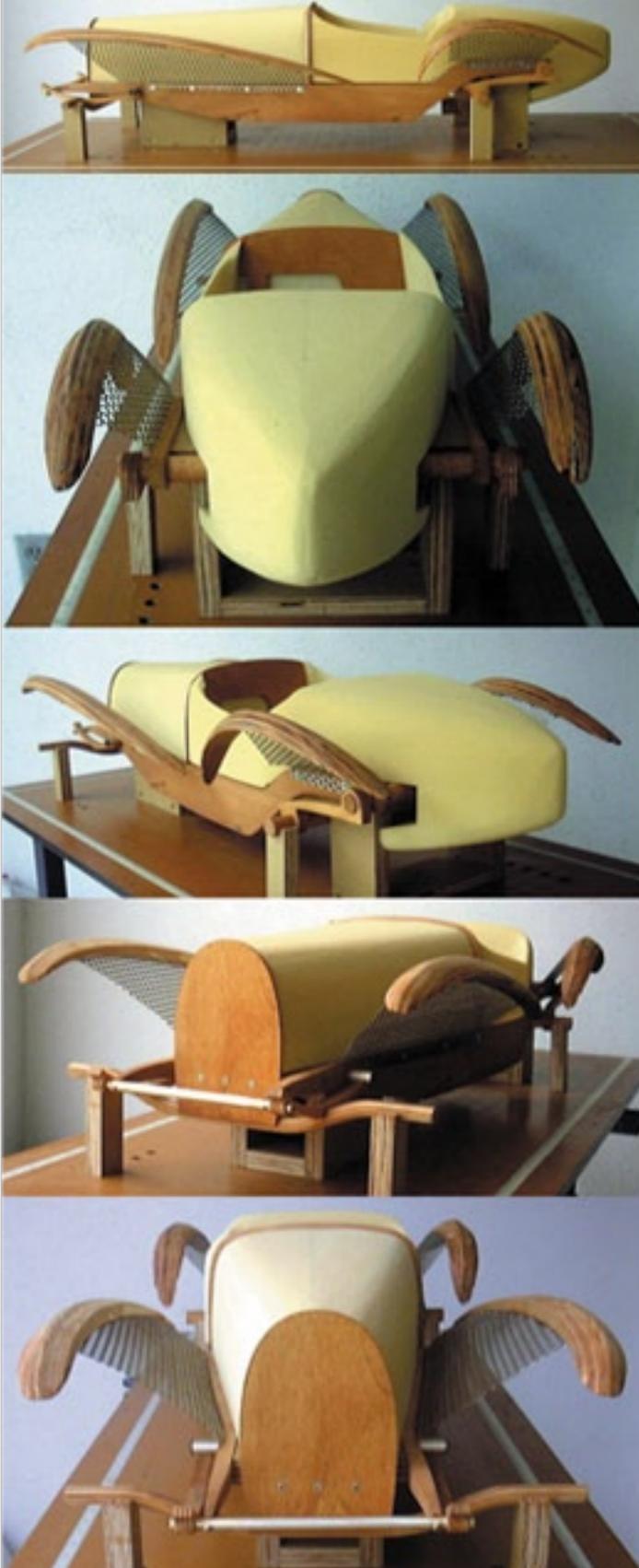


1935 Bugatti Type 57/59 1/4-scale drawing for clay model development

Illustrator



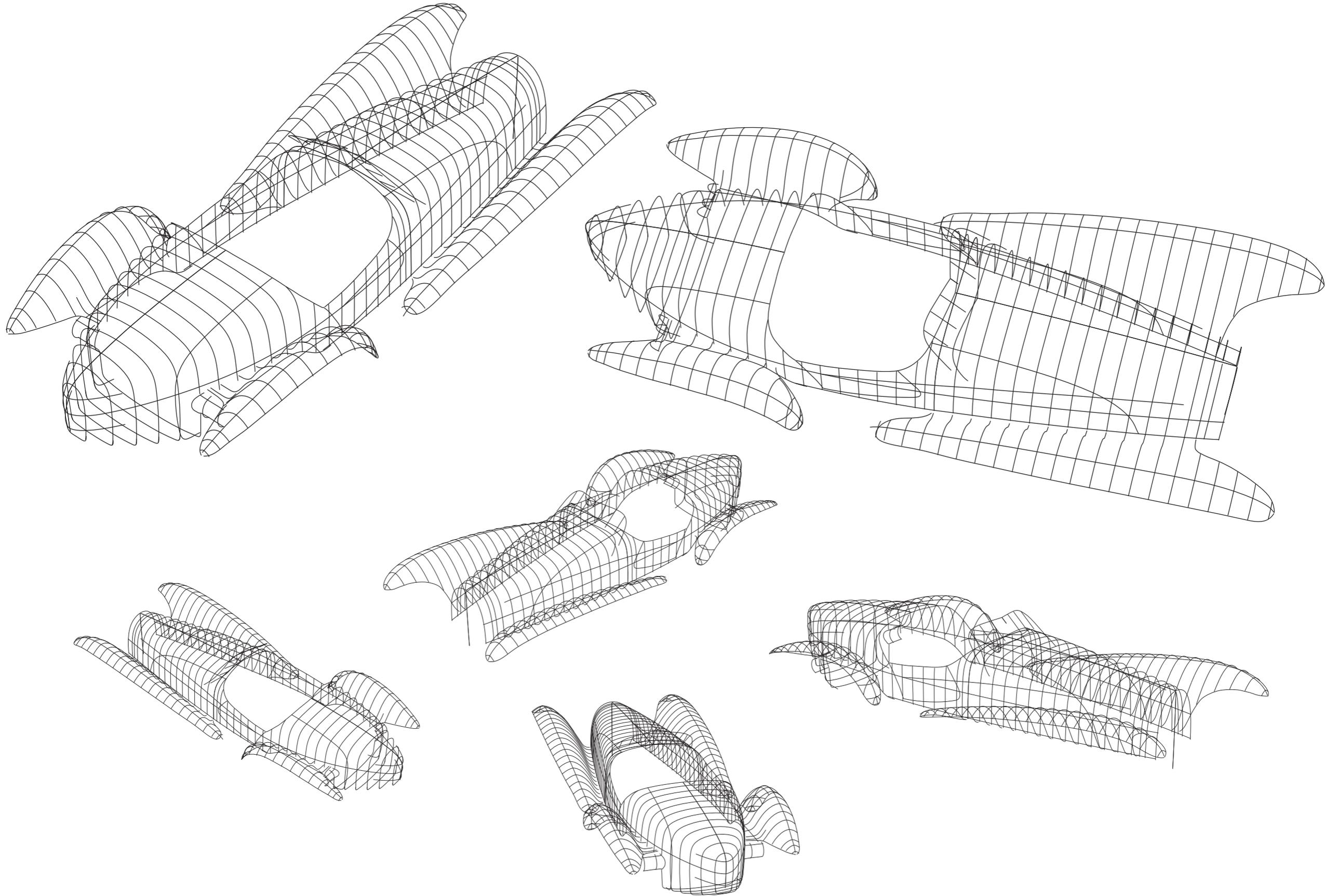
1935 Bugatti Type 57/59 1/4-scale clay model (Larry Brinker, Chief Sculptor, Nissan Design)



1935 Bugatti Type 57/59 finished 1/4-scale clay model (Larry Brinker, Chief Sculptor, Nissan Design)



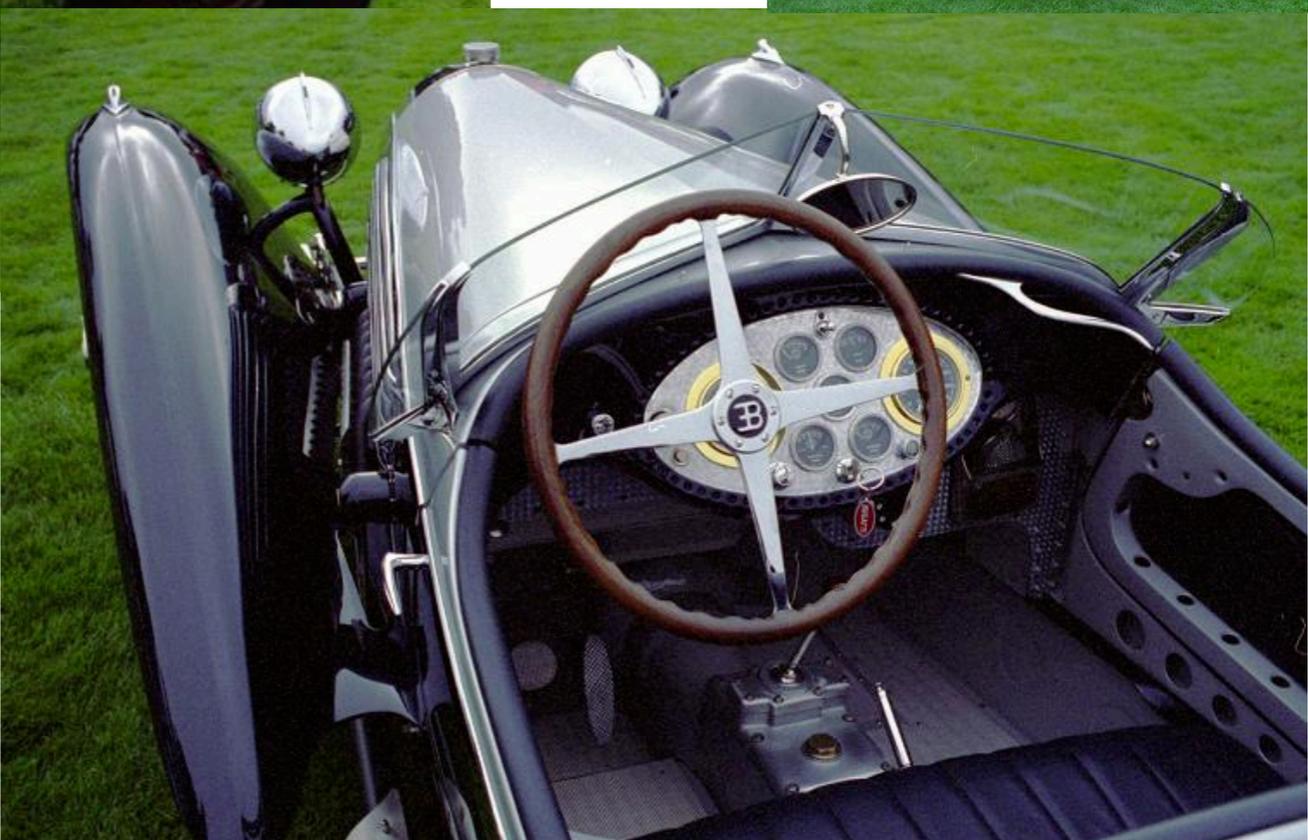
1935 Bugatti Type 57/59 1/4-scale digitized model



1935 Bugatti Type 57/59–Finished car shown at the Great American Roadster Show



1935 Bugatti Type 57/59–Ron Kellogg, owner



***FILTER* **MAG**[®]
MAGNETIC FLUID FILTRATION**

Filter **MAG**[™]

Old Logo

Current Design



FILTERMAG® At Work!

1 Oil circulating from the engine contains metallic particles.

2 Metallic particles that do the most damage to the engine are too small for the filter to stop and pass right through the filter mesh.

3 FilterMag traps and holds against the canister wall those tiny particles that would otherwise recirculate back through the engine.

4 The oil is now cleaner, and will last longer helping to prolong the life of your engine.

Zytel Housing

Steel Shielding

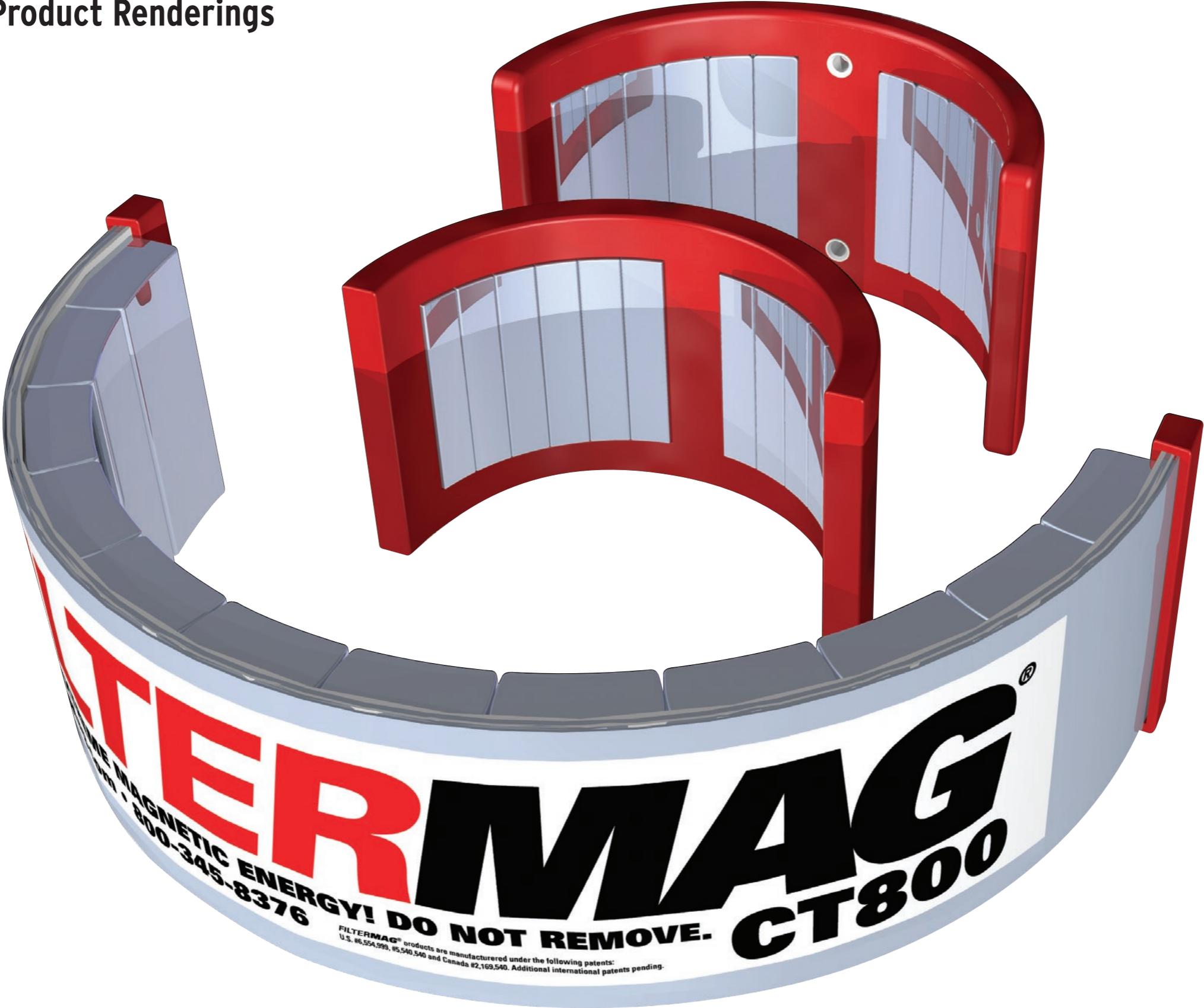
Strong Neodymium Rare-earth Magnets

What's Inside FILTERMAG?

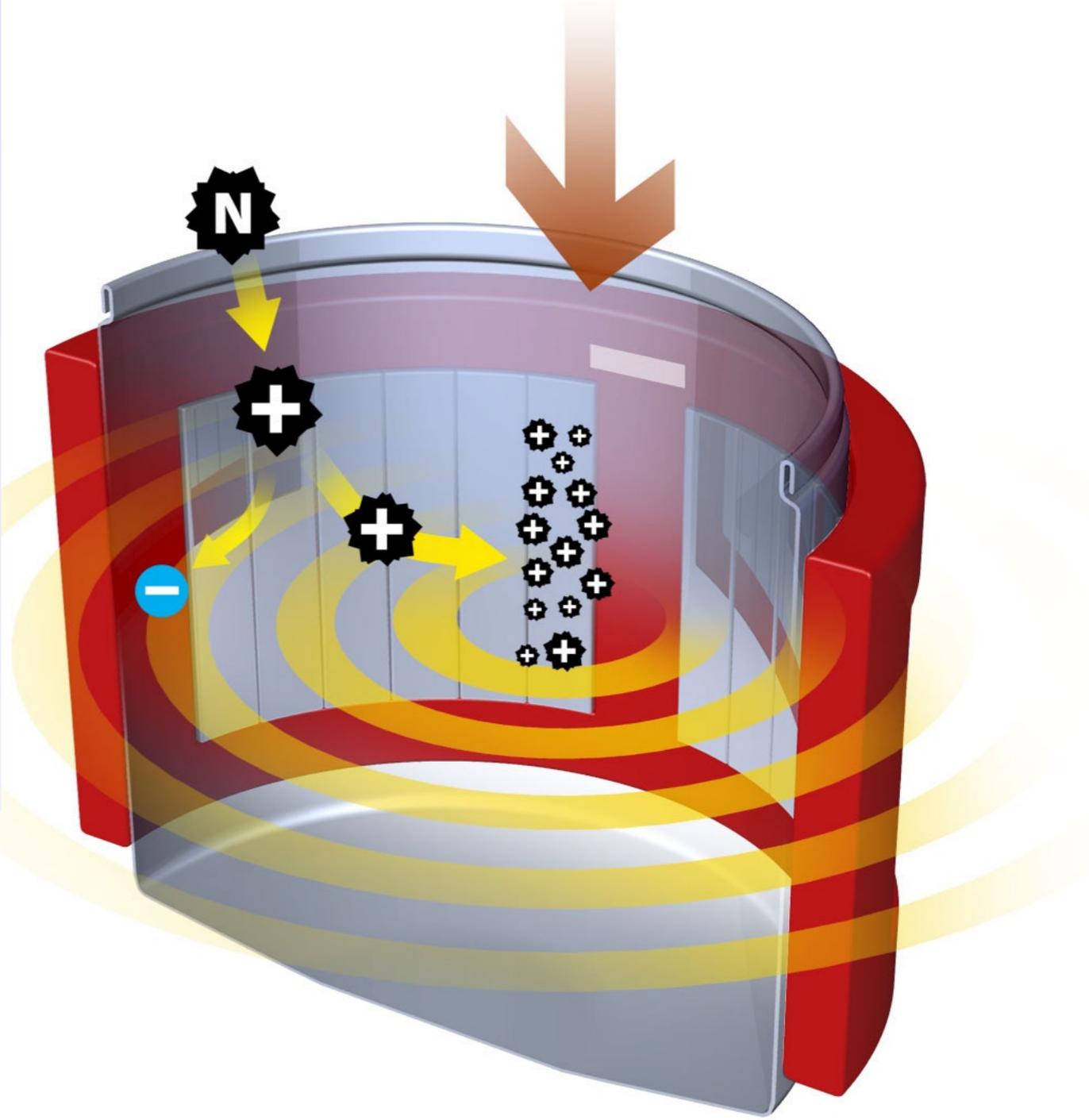
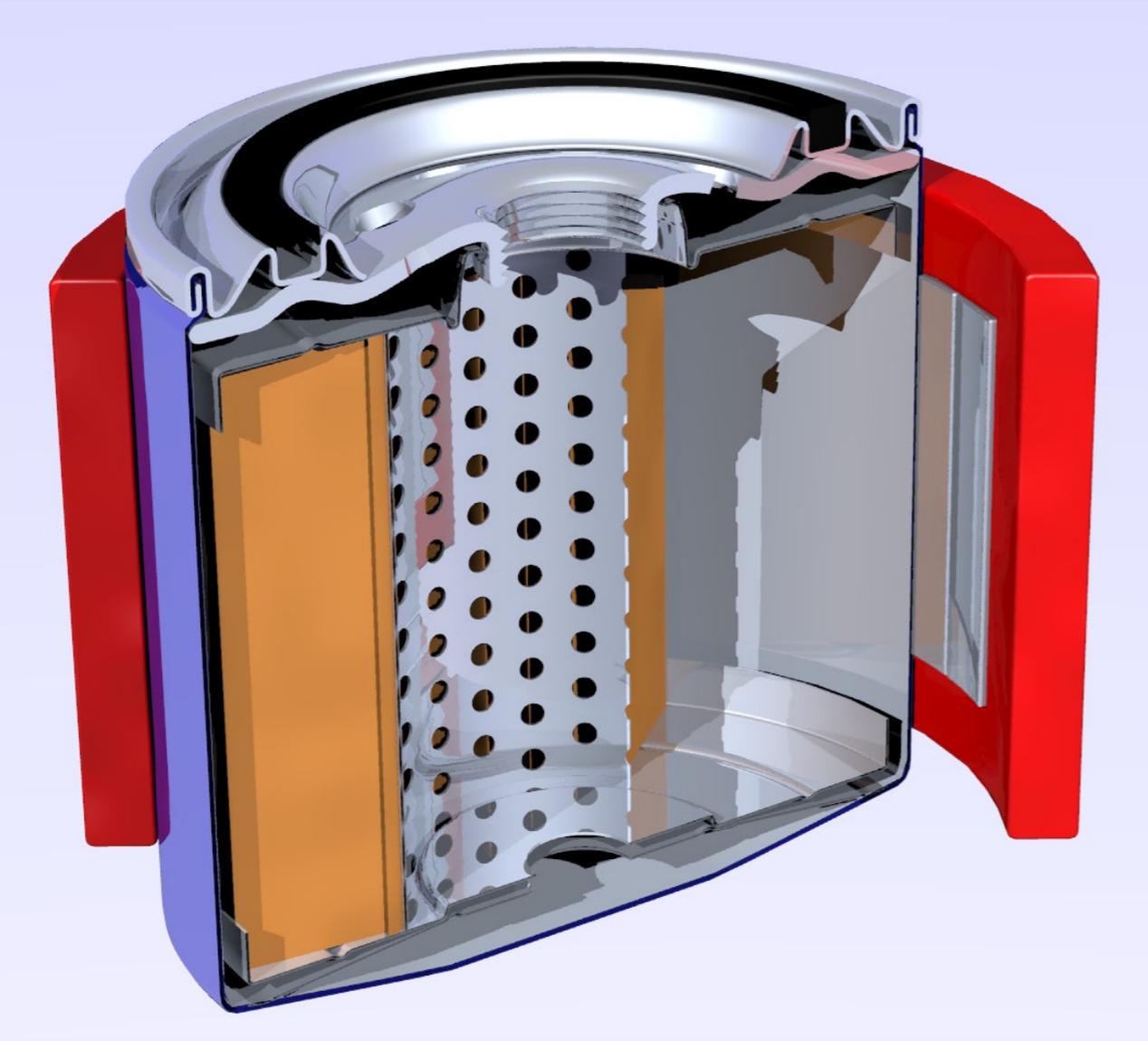
Energize Your Oil Filter!

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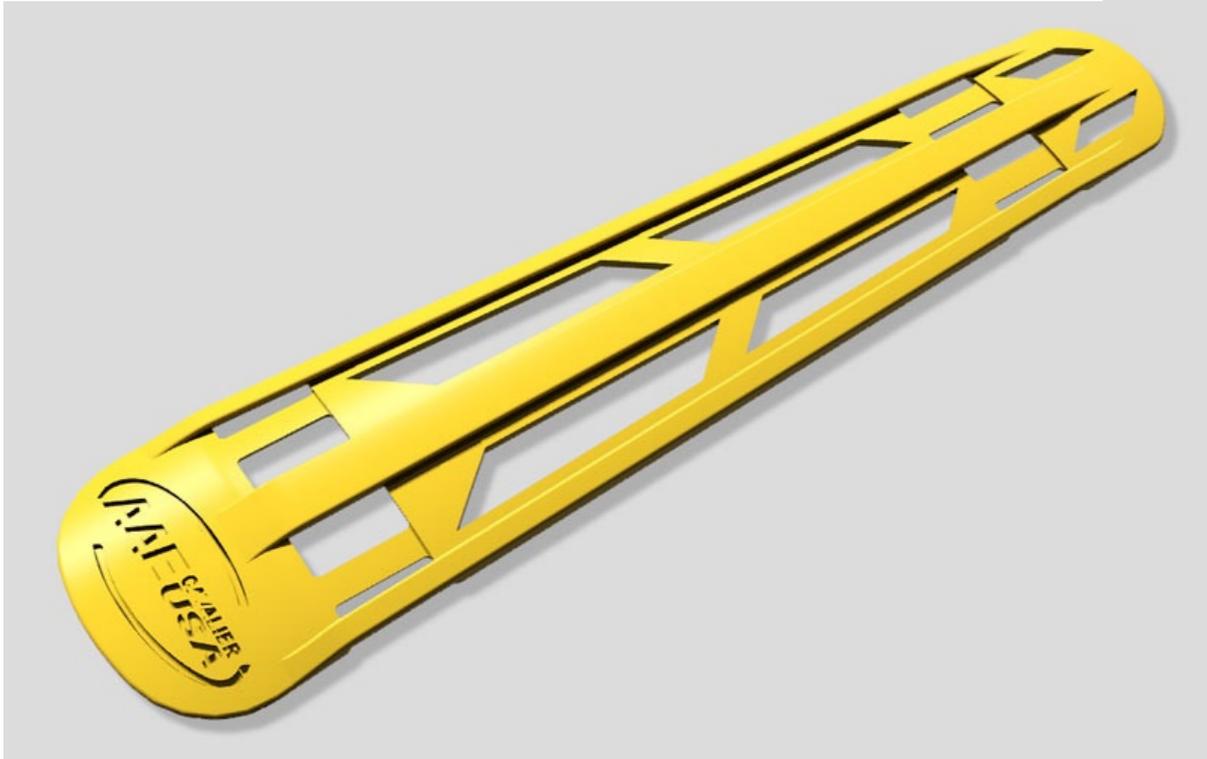
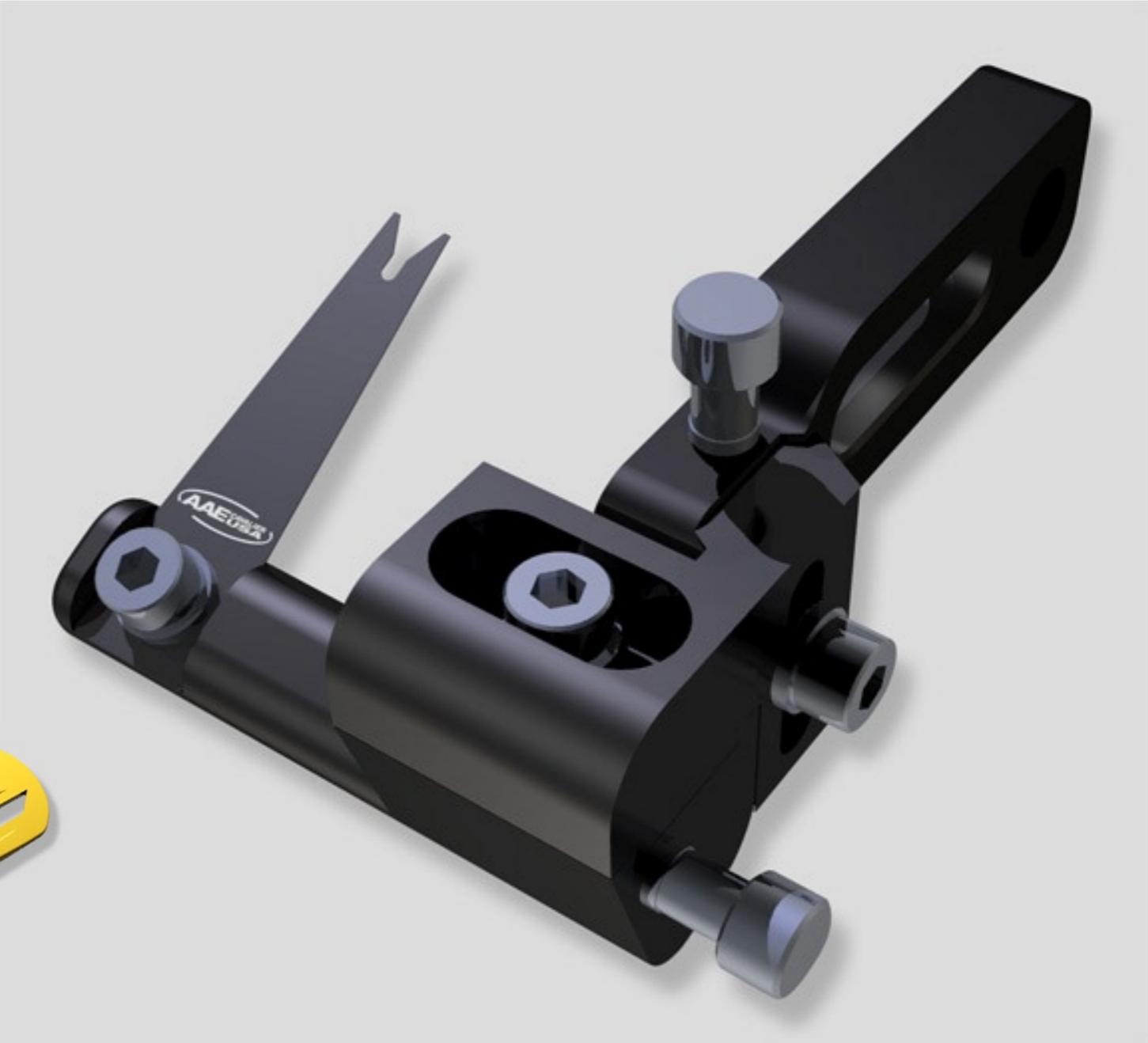
FilterMag CT800 8-inch Industrial Magnetic with RA365 and RA450 for size comparisons.

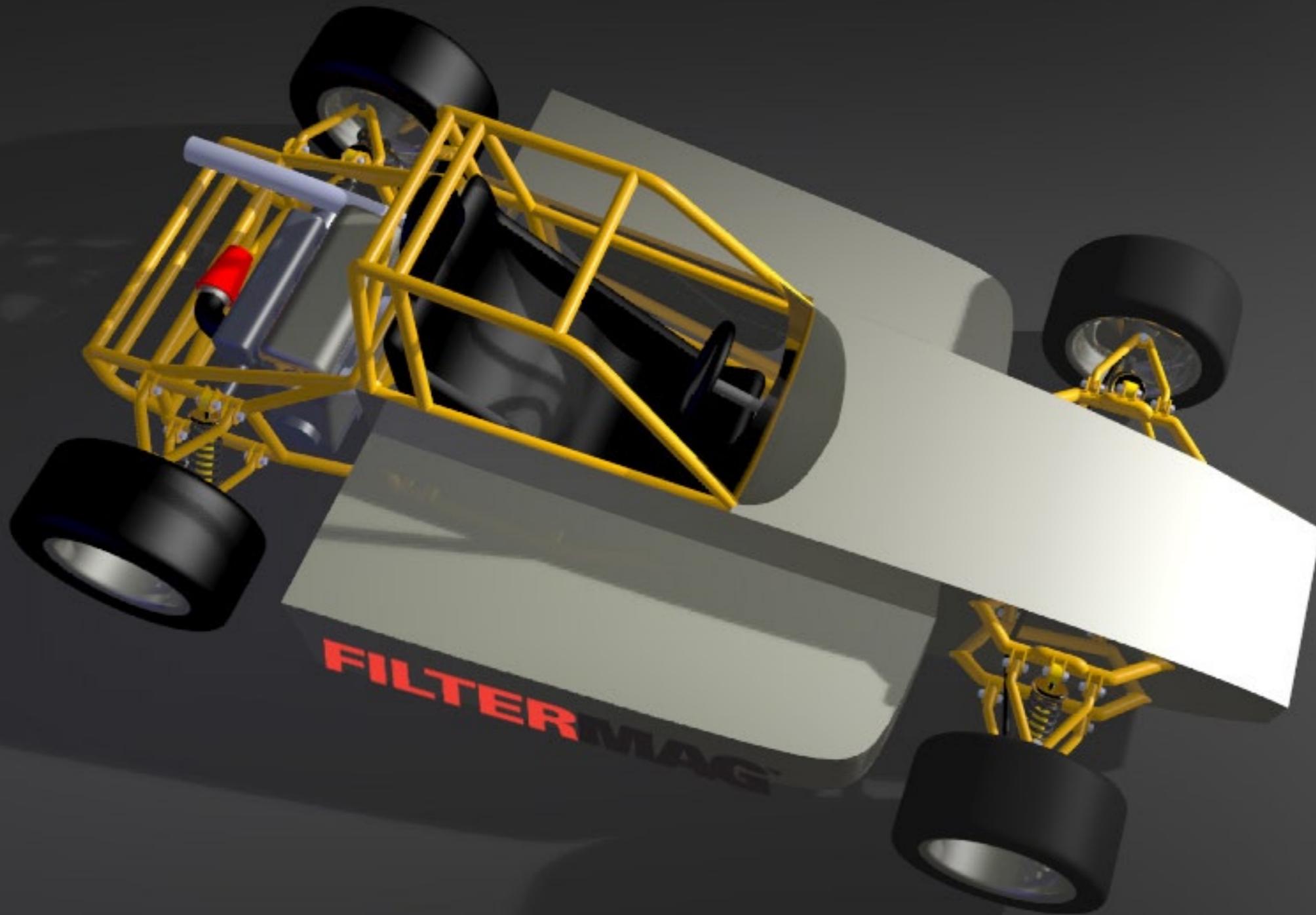


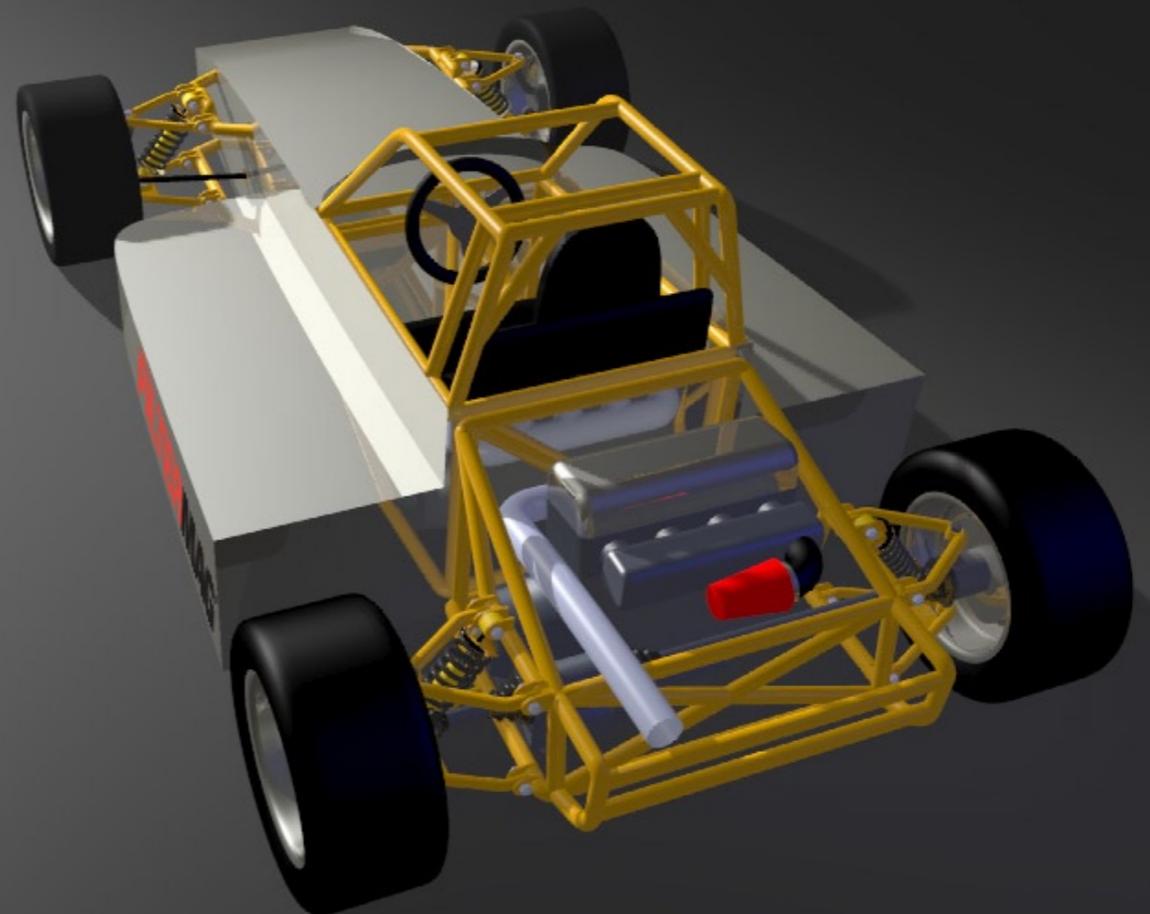
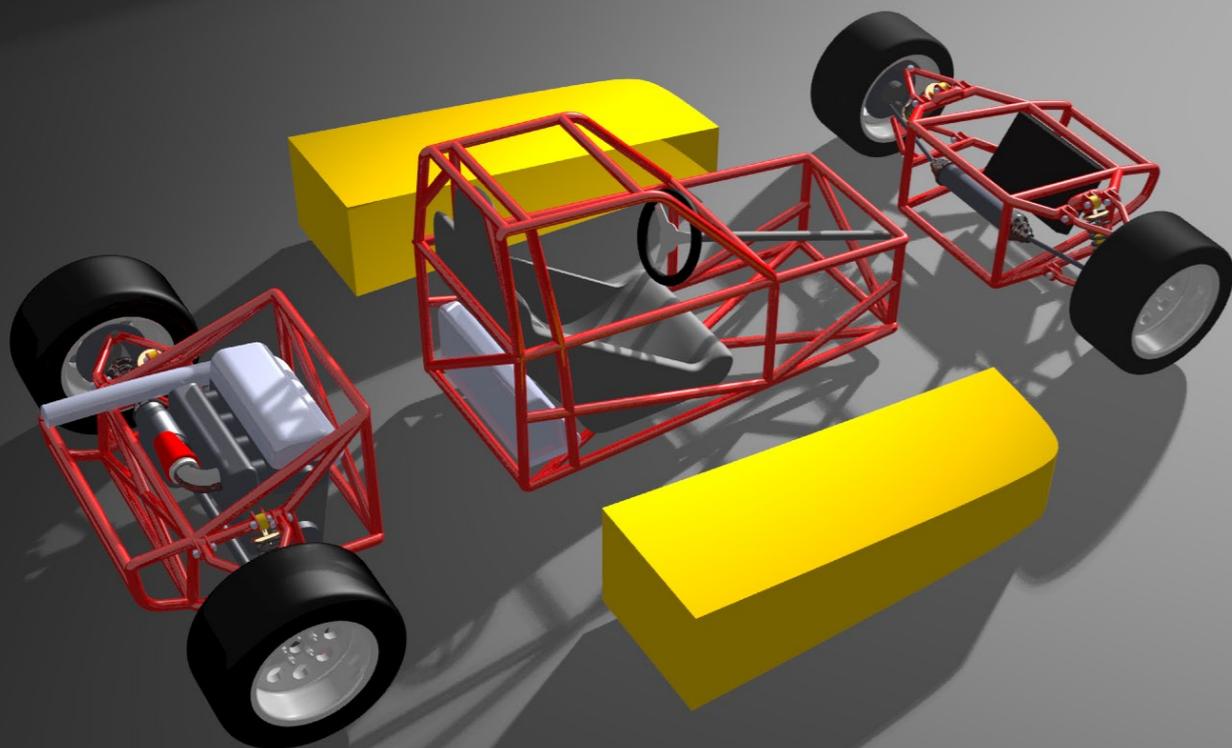












1992 Achieva Body Design—General Motors Design



1992 Achieva Body Design—General Motors Design, Oldsmobile 2 Exterior Studio Clay Model

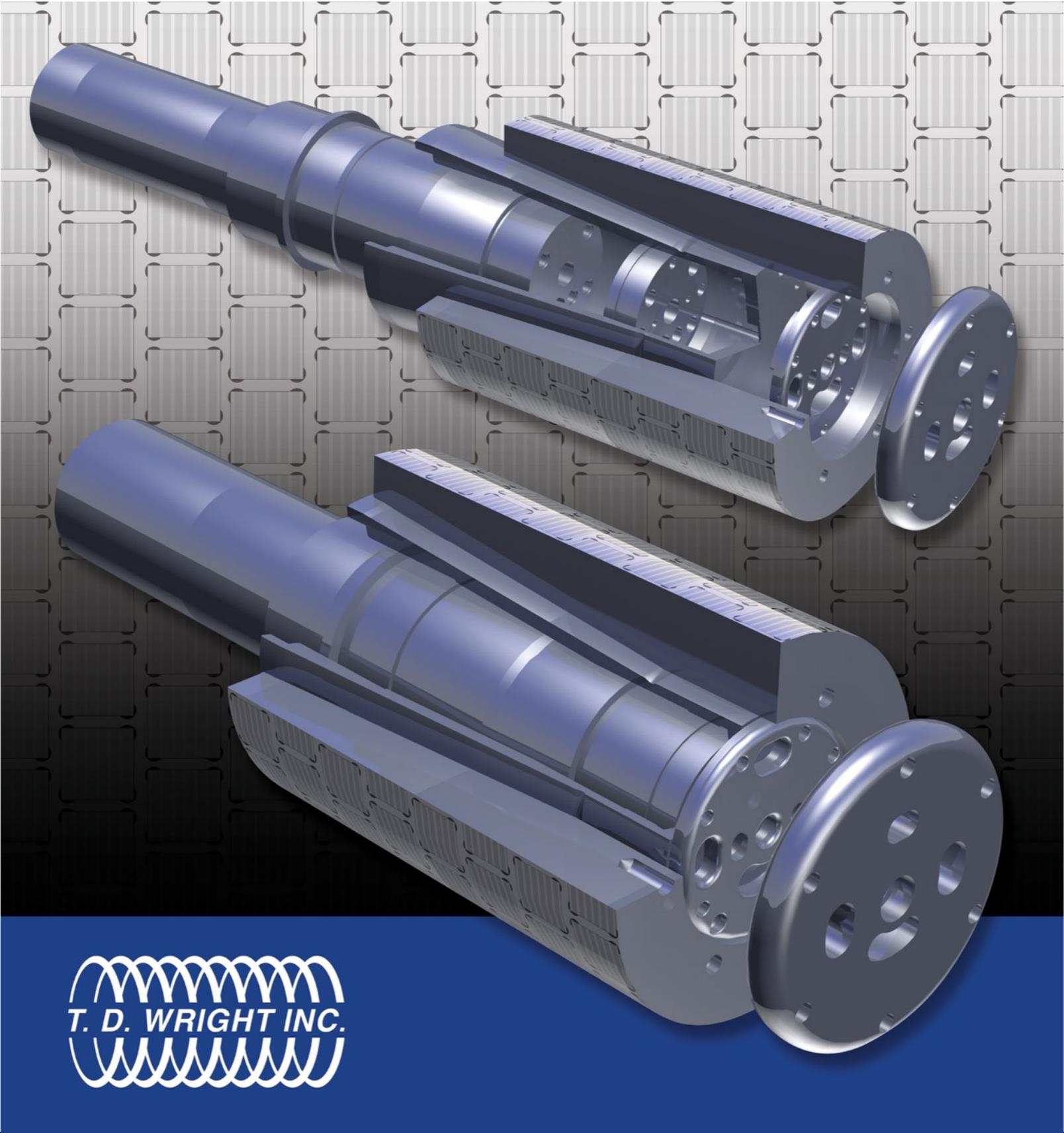


1992 Achieva Body Design—General Motors Design, Oldsmobile 2 Exterior Studio Clay Model

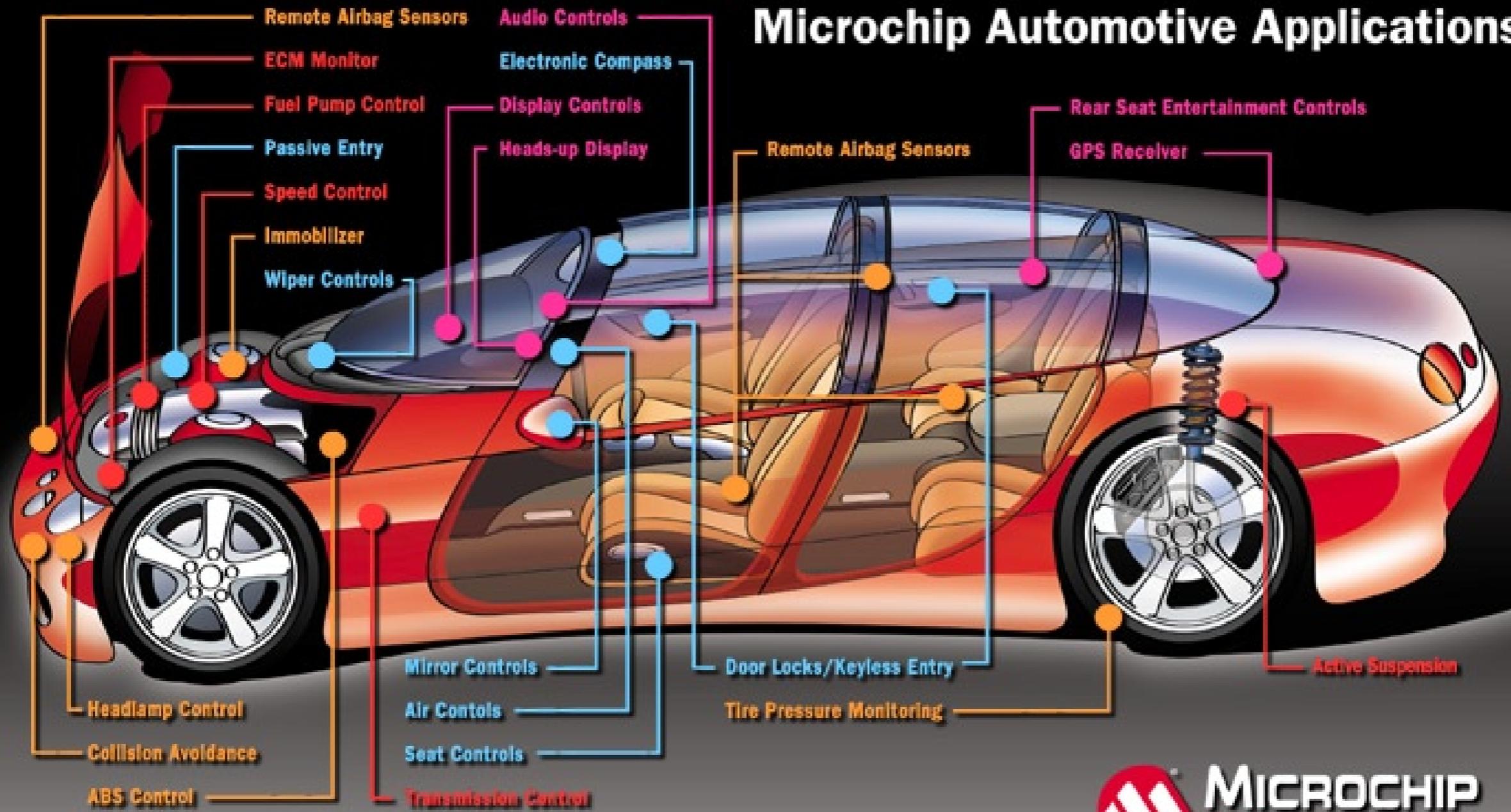


ENOC Magnetic Printing Cylinder Cutaway Renderings for Trade Show Posters

Rhino 3D



Microchip Automotive Applications

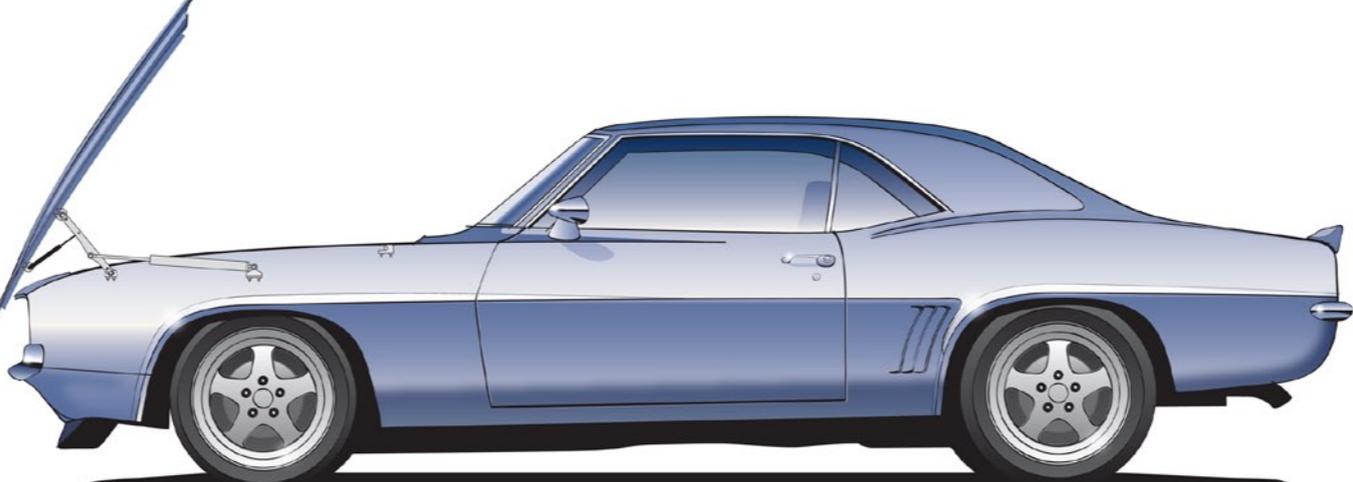
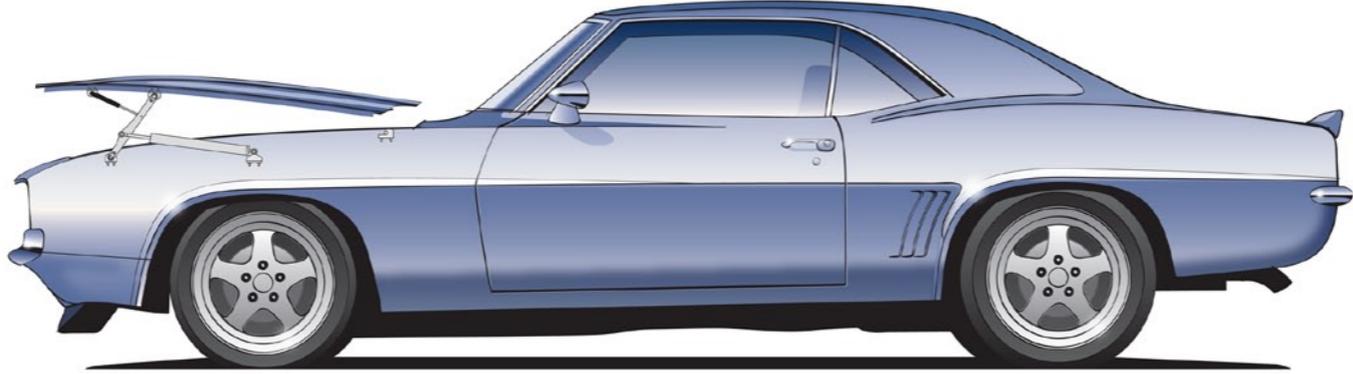
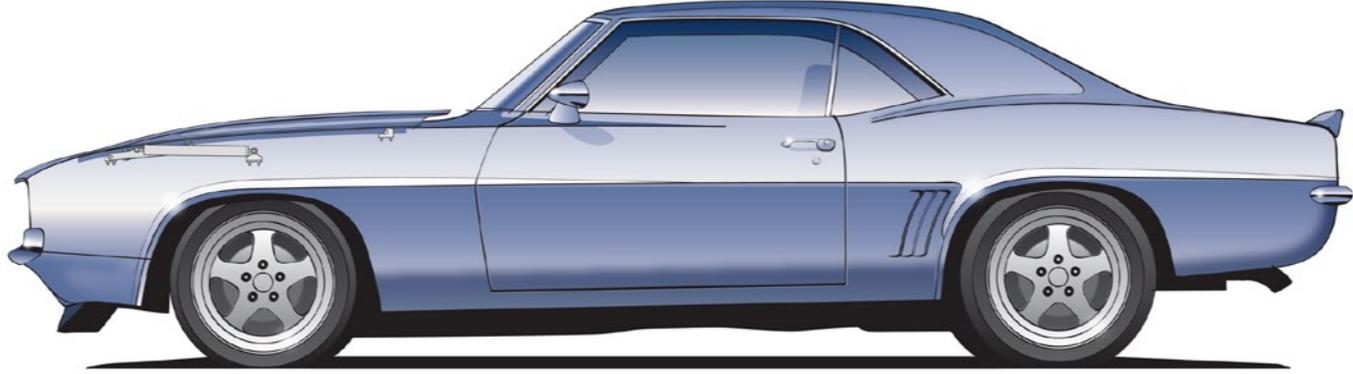
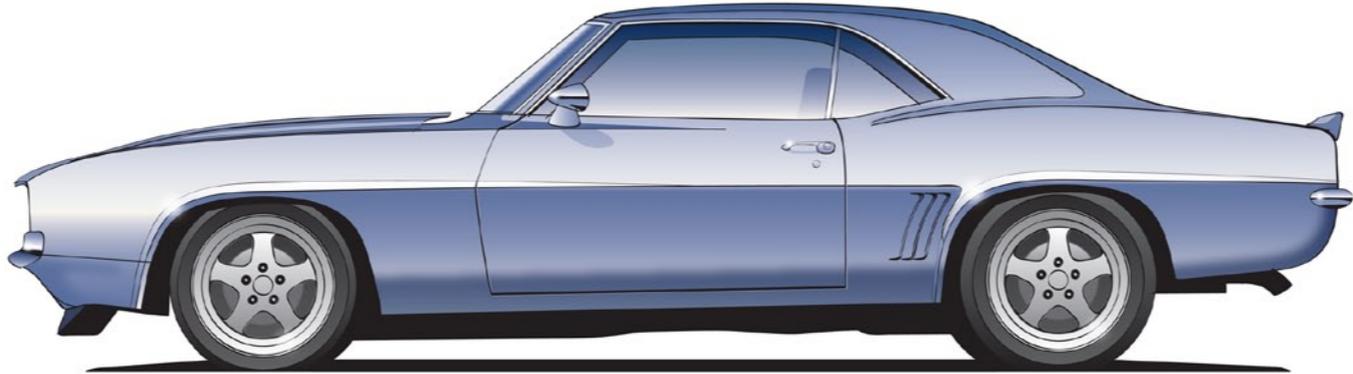


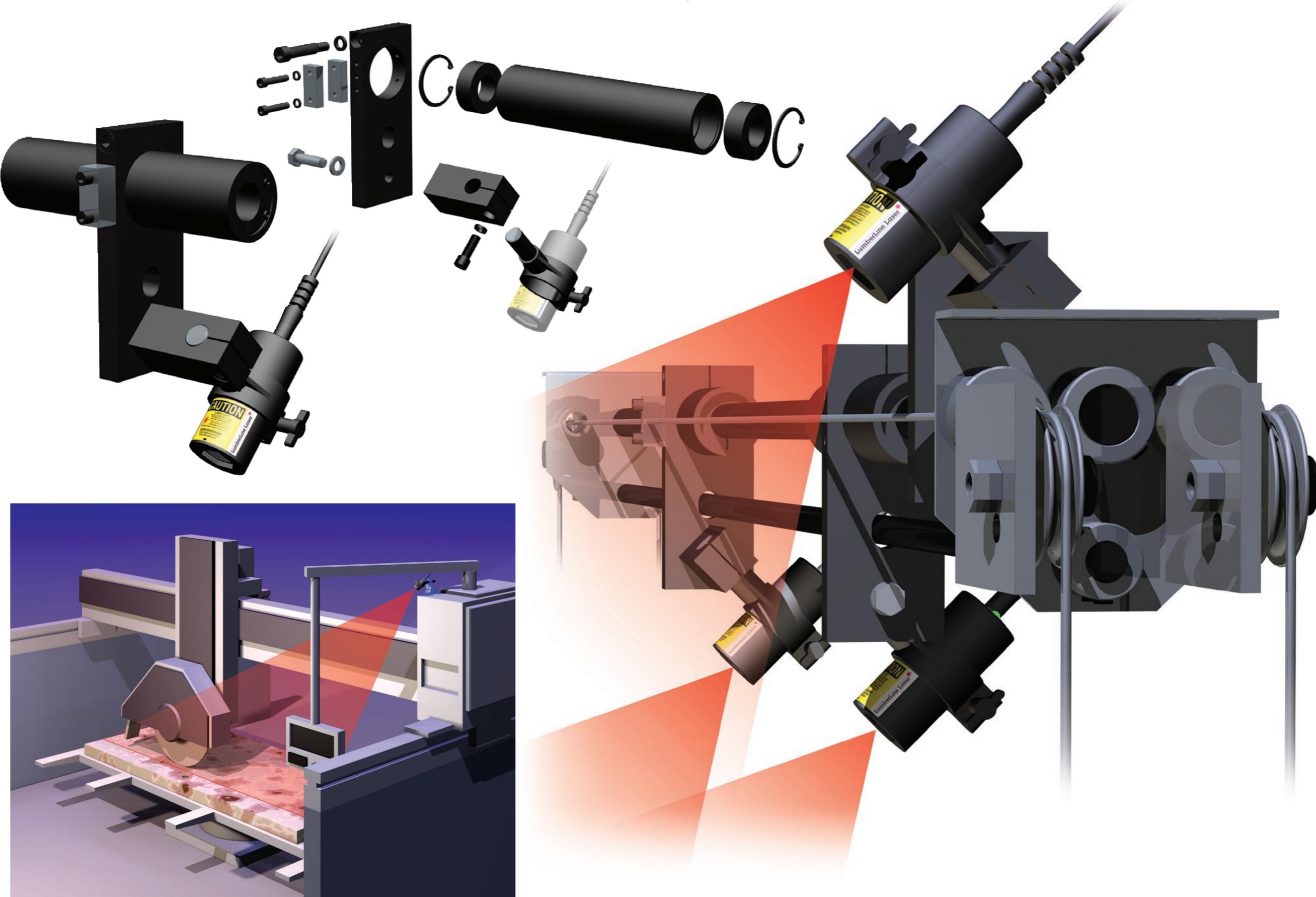
Power Drill Cutaway for Microchip Technologies

Illustrator, Photoshop



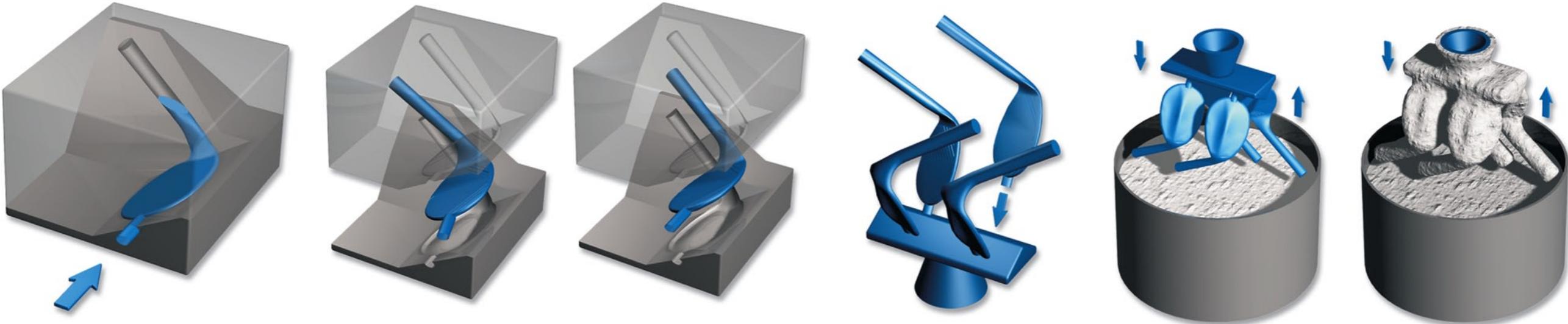
Hood Opening Mechanism Renderings for Electric Life





Brochure illustrations showing lost-wax titanium foundry process for Sturm, Ruger

FormZ





RUGER
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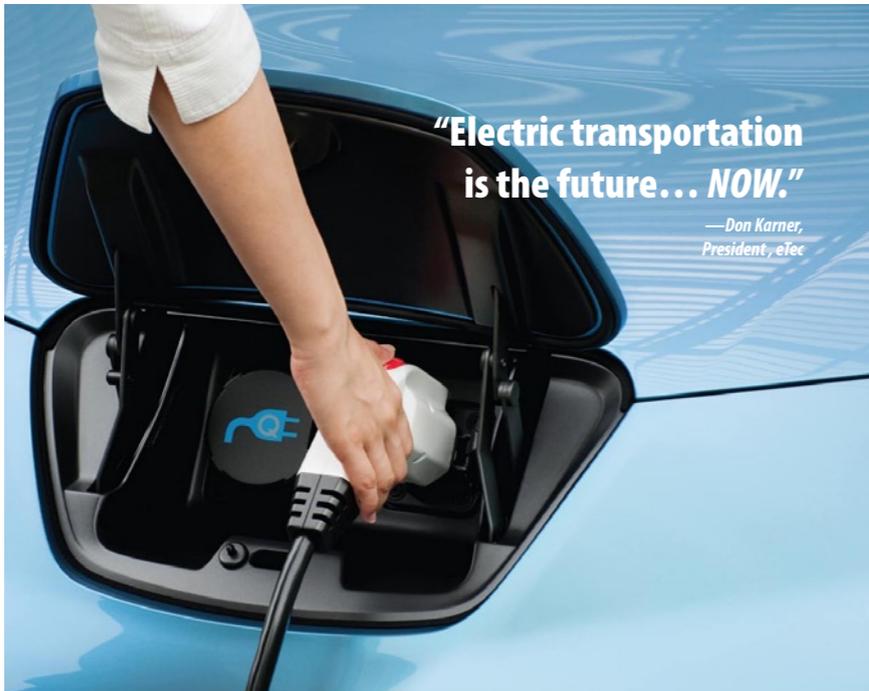




AAE Product Photography

More Photography: www.cruizart.com/photography/





"Electric transportation is the future... NOW."
 —Don Karner, President, eTec

eTEC electric transportation engineering corporation

With a history in electric transportation that dates back to 1989, Electric Transportation Engineering Corporation (eTec), a wholly-owned subsidiary of ECOtality (OTCBB: ETLV), is a recognized leader in the research, development and testing of advanced transportation and energy systems. Specializing in alternative-fuel, hybrid and electric vehicles and infrastructures, eTec is committed to developing and commercially advancing clean electric technologies with clear market advantages.



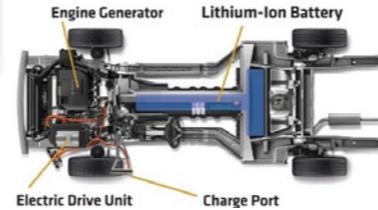
eTec's flagship product line, Minit-Charger™—fast battery charging systems designed for electric vehicles, airport ground support equipment and material handling applications—allows for faster charging with less heat generation and longer battery life than conventional chargers.

eTec also provides the following products and services:

- Testing and consulting of electric vehicles (EV), hybrid electric vehicles (HEV), plug-in hybrid electric vehicles (PHEV), and hydrogen powered vehicles and fleets
- Project management, including testing, research and development of advanced technologies
- Battery performance testing and analysis
- Design and installation of standard EV charging and fast charge systems for public, commercial and residential applications.
- Design and construction of alternative-fuel infrastructure (including electric, CNG, CNG/H2-blended fuels and pure H2)
- Development of H2 internal combustion engine (HICE) Silverado trucks
- Advanced vehicle testing and failure analysis for automotive companies and U.S. Department of Energy
- Development and testing of advanced lithium and nickel-metal hydride batteries
- Development and testing of advanced lithium and nickel-metal hydride batteries
- Consulting and technical support for major utility projects



Retail charge station rendering by Johnston Marklee for ECOtality.



2011 Chevrolet Volt

eTEC electric transportation engineering corporation

The Leader in Clean Electric Transportation Solutions



ECOtality's eTec is Project Manager for The EV Project: The largest deployment of EVs and Charge infrastructure in history.



Nissan LEAF Zero Emission Vehicle

An ECOtality Company

eTEC

Through industry-leading experience in hybrid (HEV), plug-in hybrid (PHEV), and battery electric vehicle (BEV) infrastructure, eTec provides solutions for cleaner and more efficient transportation.

- eTec is a Tier I supplier, installer and service provider of advanced charging solutions for electric transportation applications.
- eTec is a provider of the Minit-Charger technology—advanced fast-charge systems that reduce EV charge times from hours to minutes.
- eTec has expertise with all automotive battery types.
- eTec has been involved in every major North American EV initiative since 1989.

From battery and EV testing to the development and installation of public and residential fast charge stations, eTec provides infrastructure solutions for our electric transportation future.



- 12,500 Level 2 (220V) Chargers
- 250 Level 3 Fast-Chargers
- 1,000 Nissan Leaf Cars
- 40+ Project Partners
- 750 New Jobs by 2012
- 5,500 New Jobs by 2017
- 11 Major Cities
- 5 States

eTEC

electric transportation engineering corporation
 430 South 2nd Avenue • Phoenix, Arizona 85003
 (602) 716-9576 • (602) 256-2606 fax
www.etecvs.com
www.ecotality.com
www.minit-charger.com

ecotality

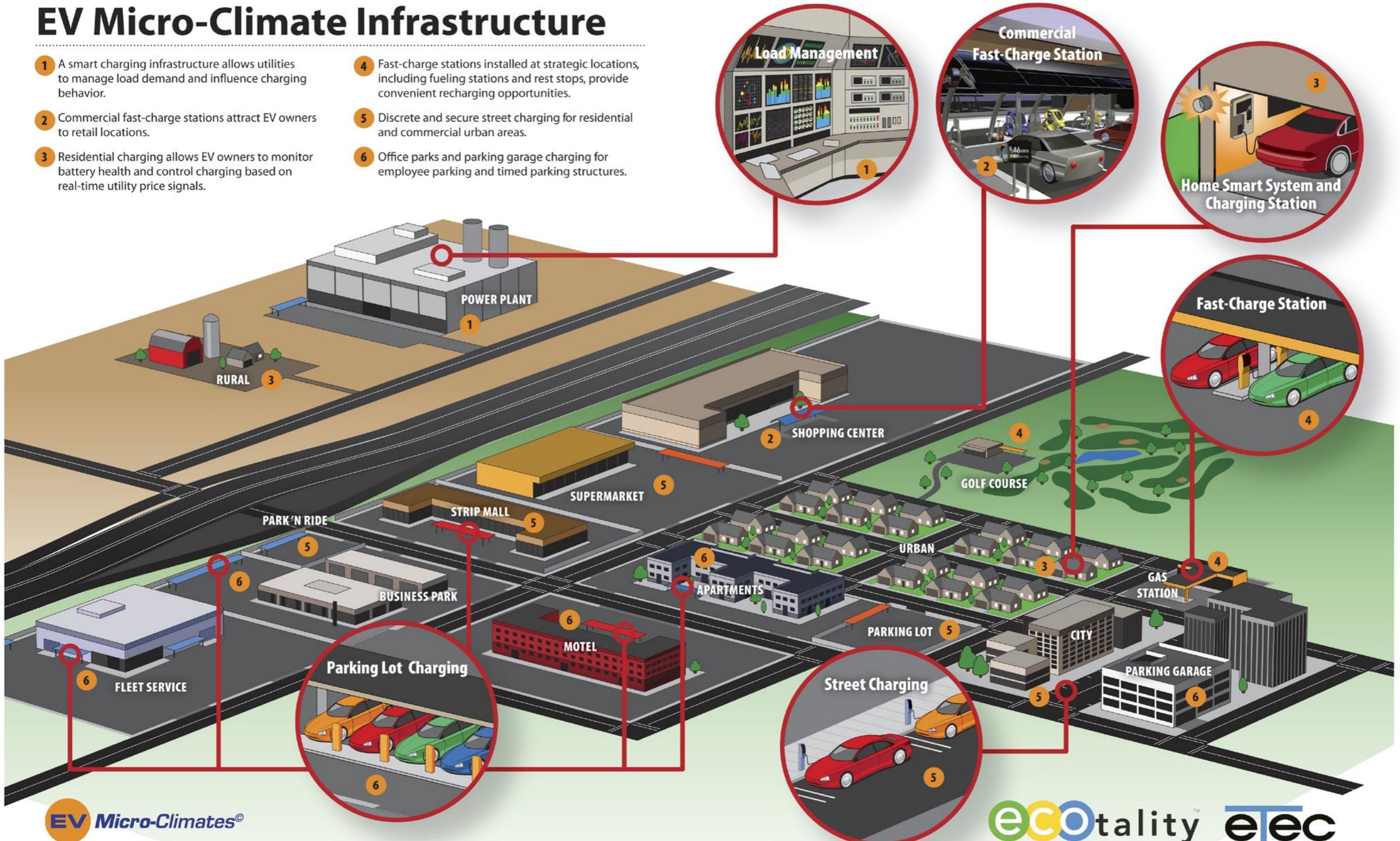
ECOtality, Inc. (OTCBB: ETLV), headquartered in Scottsdale, Arizona, is a leader in clean electric transportation and storage technologies. Through innovation, acquisitions, and strategic partnerships, ECOtality accelerates the market applicability of advanced electric technologies to replace carbon-based fuels. For more information about ECOtality, Inc., please visit www.ecotality.com.

Printed on recycled paper using soy based inks

I created several brochures for eTec/ECOtality for the purpose of raising investment capital.

EV Micro-Climate Infrastructure

- 1** A smart charging infrastructure allows utilities to manage load demand and influence charging behavior.
- 2** Commercial fast-charge stations attract EV owners to retail locations.
- 3** Residential charging allows EV owners to monitor battery health and control charging based on real-time utility price signals.
- 4** Fast-charge stations installed at strategic locations, including fueling stations and rest stops, provide convenient recharging opportunities.
- 5** Discrete and secure street charging for residential and commercial urban areas.
- 6** Office parks and parking garage charging for employee parking and timed parking structures.

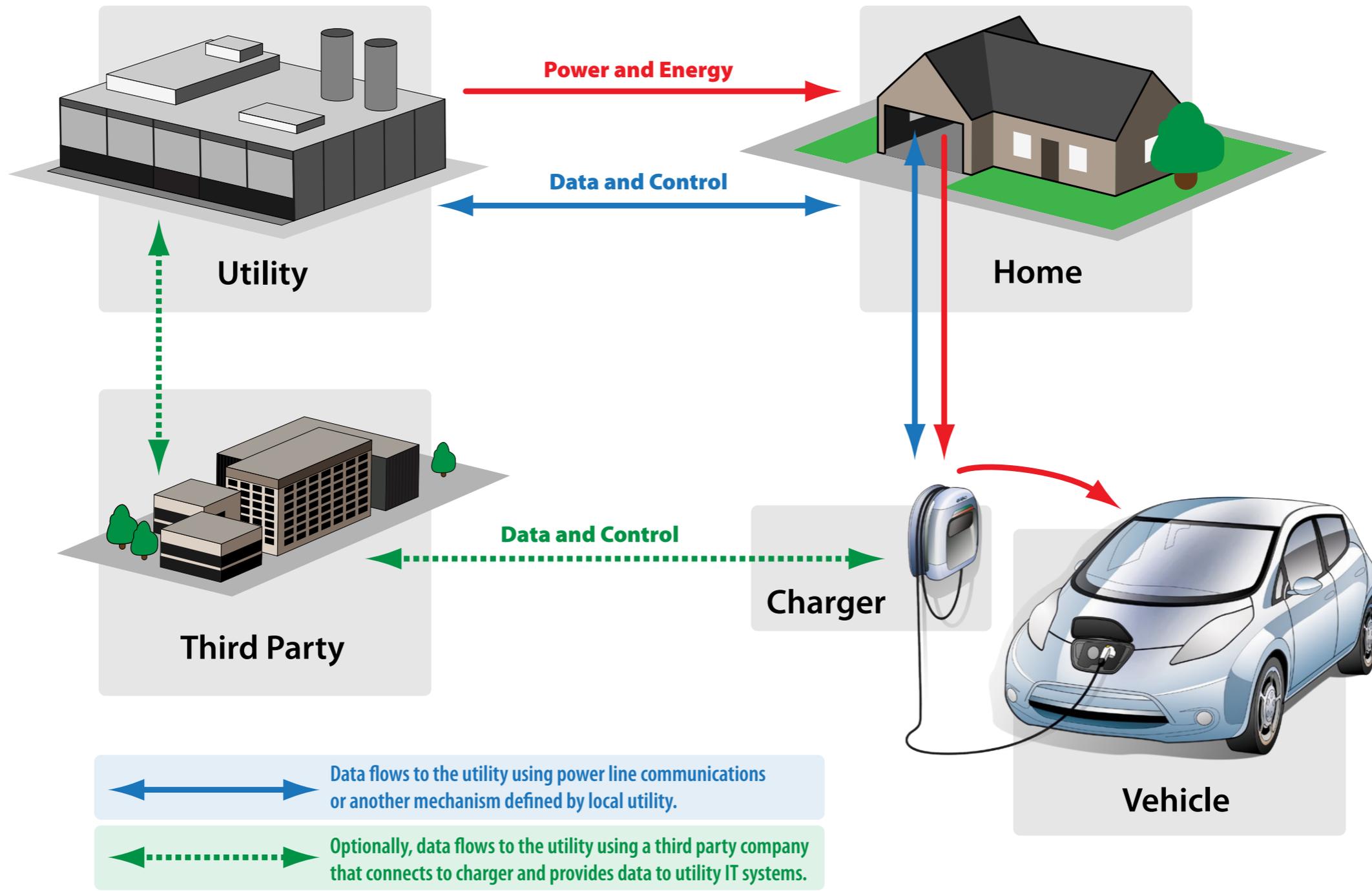


EV Micro-Climates[®]

ecotality™ etec

Illustration depicting Ecotality's concept of an entire community's integrated load management and charging system.

ECOtality Smart Grid Charger Communications





Signature

