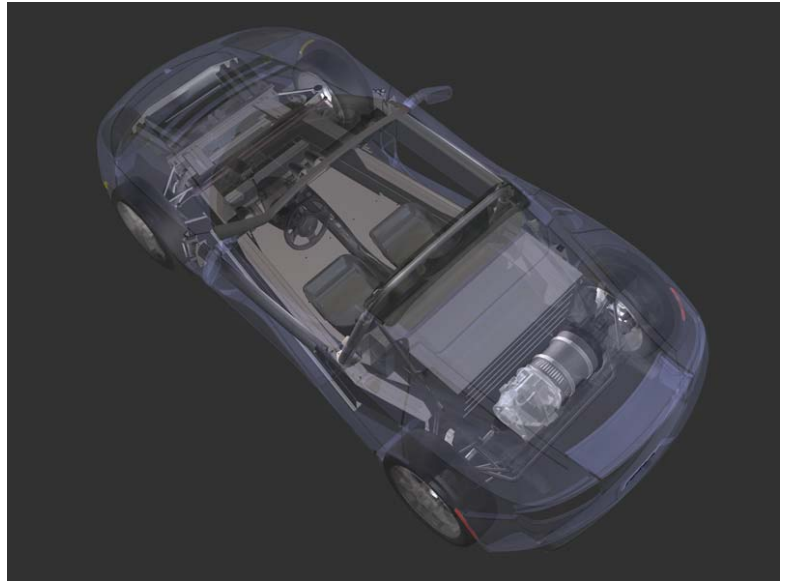


# electric dreams

semesterübung ws 06 universität für angewandte kunst, wien - architekturentwurf 2, o. univ. prof. greg lynn

<b>24.10.06</b>	<b>Case Study Review</b>
<b>25.10.06</b>	<b>Semester Task Introduction</b>
<b>31.10.06</b>	<b>Desk Crits: Massing &amp; Internal Volumes</b>
<b>07.11.06</b>	<b>Digital Review with Greg: Massing and internal Organization</b>
<b>14.11.06</b>	<b>Review: Green Building Technologies</b>
<b>25.11.06</b>	<b>DrawingWorkshop</b>
<b>30.11.06</b>	<b>Tentative Midterm</b>



Electric cars are an old idea, but they are poised revolutionize private transportation. During the 1990's, products like the Twike, a lightweight, three-wheeled vehicle, were produced in many variations by start-up technology companies. They were more like bikes than cars - the twike has a top speed of about 80km/hr and could travel 30-100km before running out of power. Electric cars are still not commercially popular, but they are benefitting from a changing political climate and greater public awareness. They are now gaining much of the performance that would be expected from a fuel-powered car. The Tesla Roadster, produced near San Jose, California looks like a sports car, has a top speed of over 200km/ hour and travels 400km without recharging.

The semester task is an EU-sponsored design center for electric car concepts, based in Vienna. The design center is made up of large volumes like auditoria, group design offices and CNC production labs as well as small support spaces. It has open visitor display areas and more secure, employee-only zones. To deal with these larger/smaller and secure/non-secure volumes, we will use strategies of nesting and poche from the case study and Italy trip. During the past several semesters, we have investigated the architectural implications of branding and identity. This semester, the reference product, the tesla roadster, provides technological content rather than brand content. As a result, we will incorporate energy saving technologies like photo-voltaic cells and passive heating/cooling. These technologies will be utilized as form-generating devices rather than neutral applications.

## **For Tuesday (Oct. 31<sup>st</sup>)**

Establish (2-3) massing strategies on the site that involve the interconnection of volumes of different sizes and programs. You should make an effort to incorporate concepts that you explored within the case task relative to poche.

# electric dreams - program

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## Non-Secure Areas

Lobby/Security: 200 m<sup>2</sup>

Cafeteria/Café 500 m<sup>2</sup>

- Serverry
- Seating
- Kitchen

Display/ Tour Route 500 m<sup>2</sup>

- Outdoor Display Area

Theaters (2)

- 150 seats: 210 m<sup>2</sup>
- 100 seats: 180 m<sup>2</sup>

**Fabrication/ Workshop** 1000 m<sup>2</sup>

- CNC Milling Area
- Painting Booth
- Archive/Storage
- Wood/Metal Shop

- Wind Tunnel 2000 m<sup>2</sup>

## Offices

- Administration
- Financial/Accounting
- Design

Open (Team Areas) Offices: (6) 500 m<sup>2</sup> 3000 m<sup>2</sup>

Closed Offices: (20) 25 m<sup>2</sup> 500 m<sup>2</sup>

Conference Rooms

Large (2) 100 m<sup>2</sup> 200 m<sup>2</sup>  
Small (4) 50 m<sup>2</sup> 200 m<sup>2</sup>

## Hard Core

- Circulation: Stairs/ Elevator Cores 2000 m<sup>2</sup>
- Mechanical/Electrical/Data Rooms 700 m<sup>2</sup>

## Soft Core

1200 m<sup>2</sup>

- Restrooms
- Pantry/ Vending
- Copy/File
- Storage

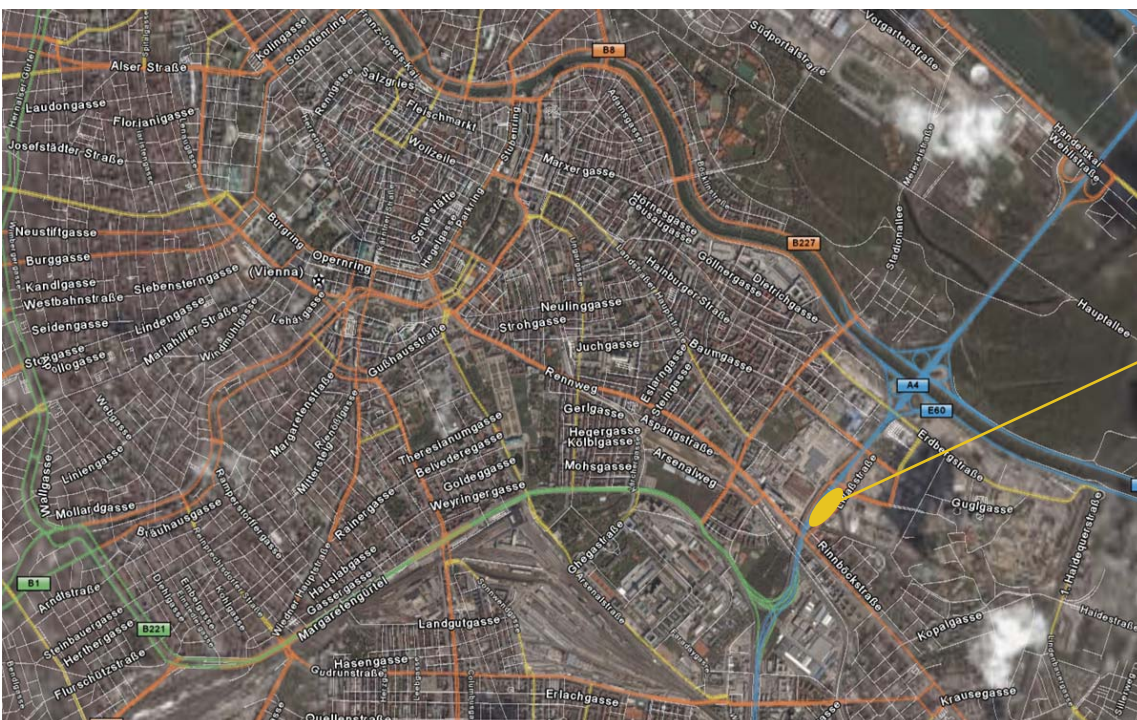
Circulation: +/- 15%

**TOTAL: 14,250 m<sup>2</sup>**

**250 parking spaces**

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SITE