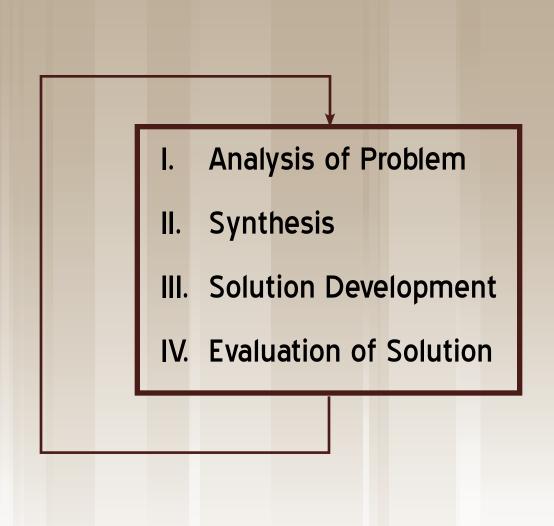
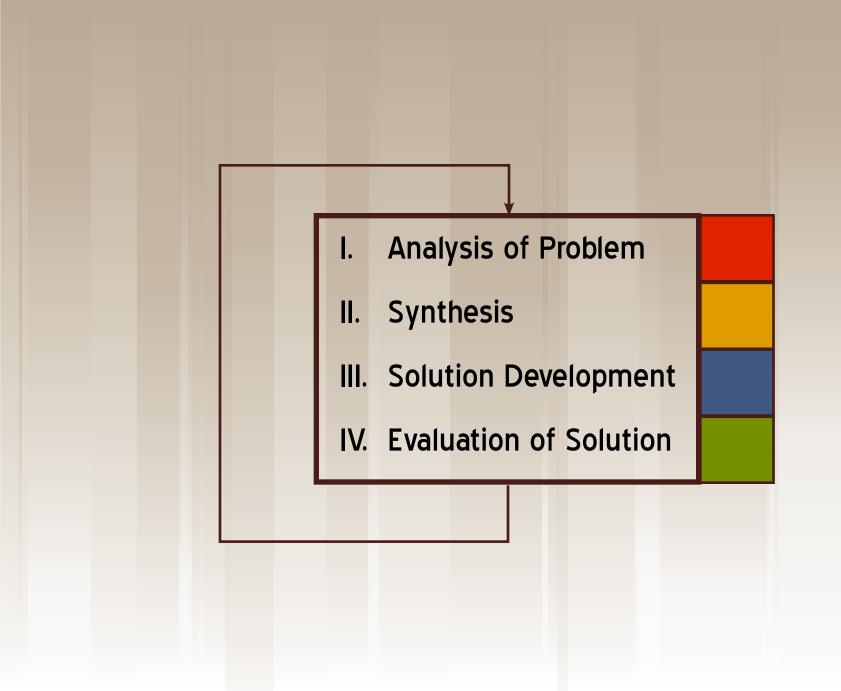
A Quick and Dirty Urban Design Methodology Tom Bosschaert

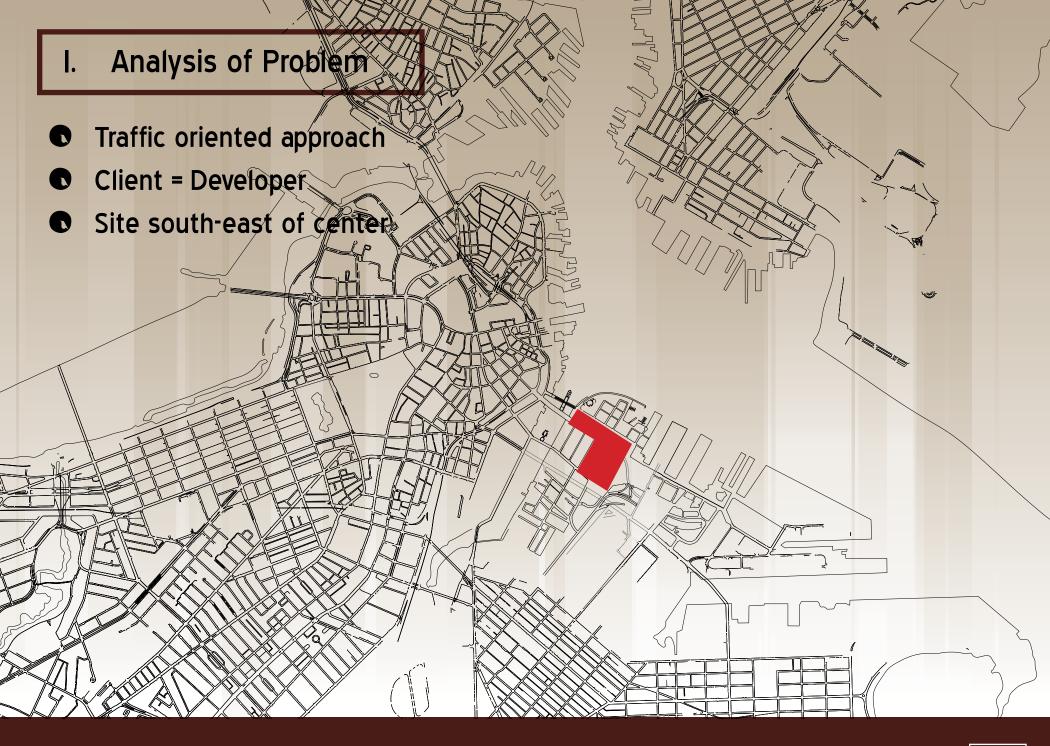


- II. Synthesis
- III. Solution Development
- IV. Evaluation of Solution





- I. Analysis of Problem
 - Map client & involved parties
 - Develop design goal (problem formulation)
 - List of (testable) requirements
 - Site & Literature research
 - Research on different scales (national, regional, local)

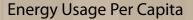


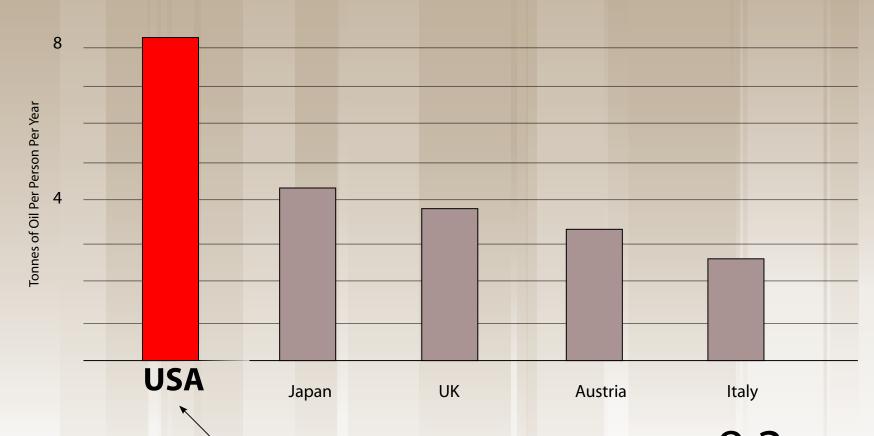
Design goal:

To create a new development on the site that, besides a livable and commercially viable development, will reduce traffic and related pollution issues of the city of Boston.

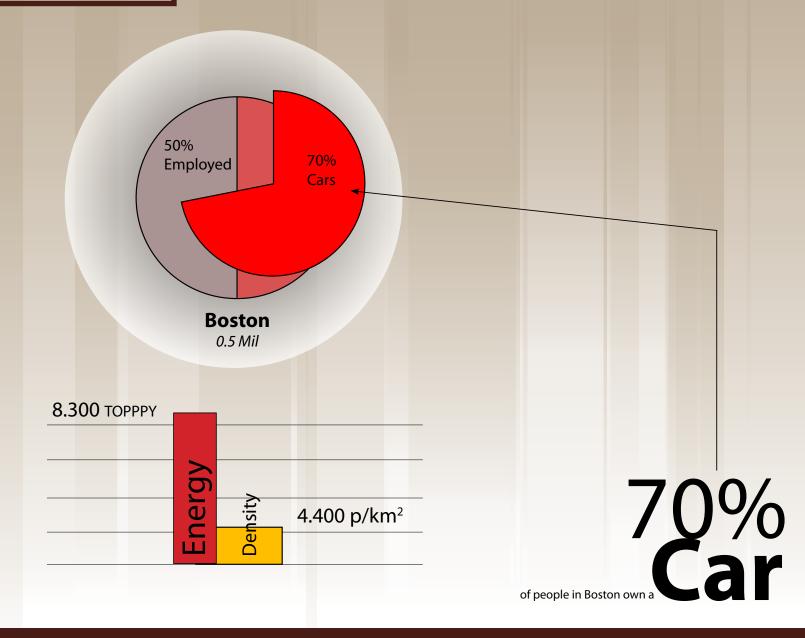
• Requirements:

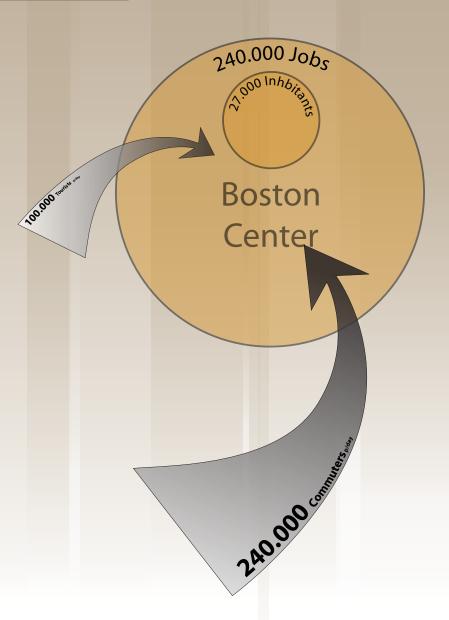
- I. Design livable development (quantify?)
- II. Design Economically viable development
- III. Reduce traffic use around area and city of Boston by a sizeable amount (%?)
- IV. Reduce pollution on the site compared to standard development by x%





8.3 Tonnes of Oil Per Person Per Year

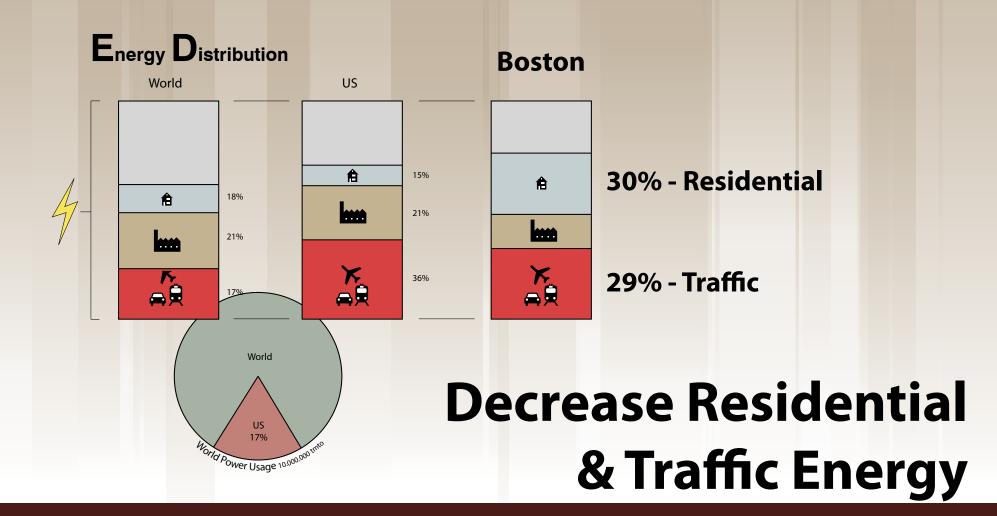




- Synthesise research into understandable and usable data
 - Compiling, visualizing & correlating data
 - Research backgrounds on individual and combined issues
- Apply synthesized data to problem and investigate related issues
- Research similar issues & solutions around the world
- Define areas for design development



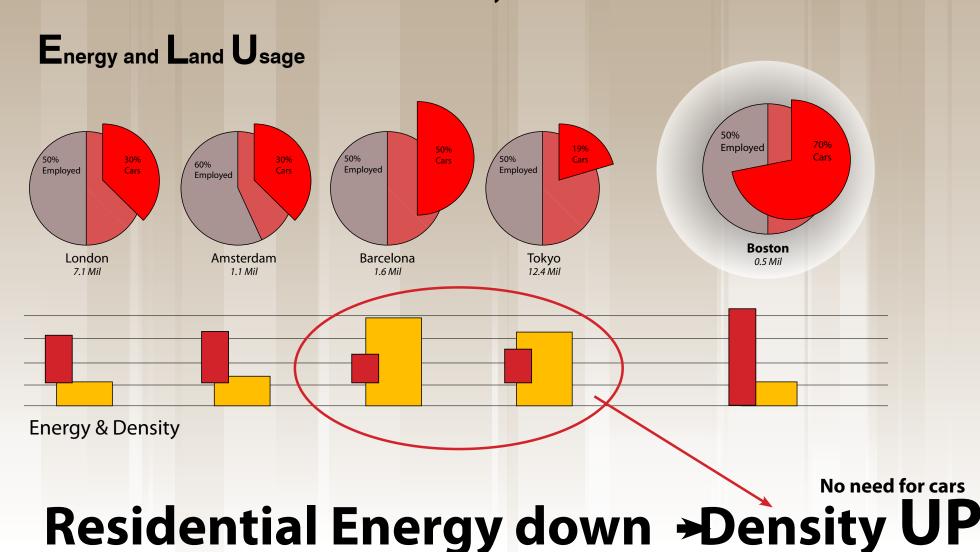
- Synthesise research into understandable and usable data
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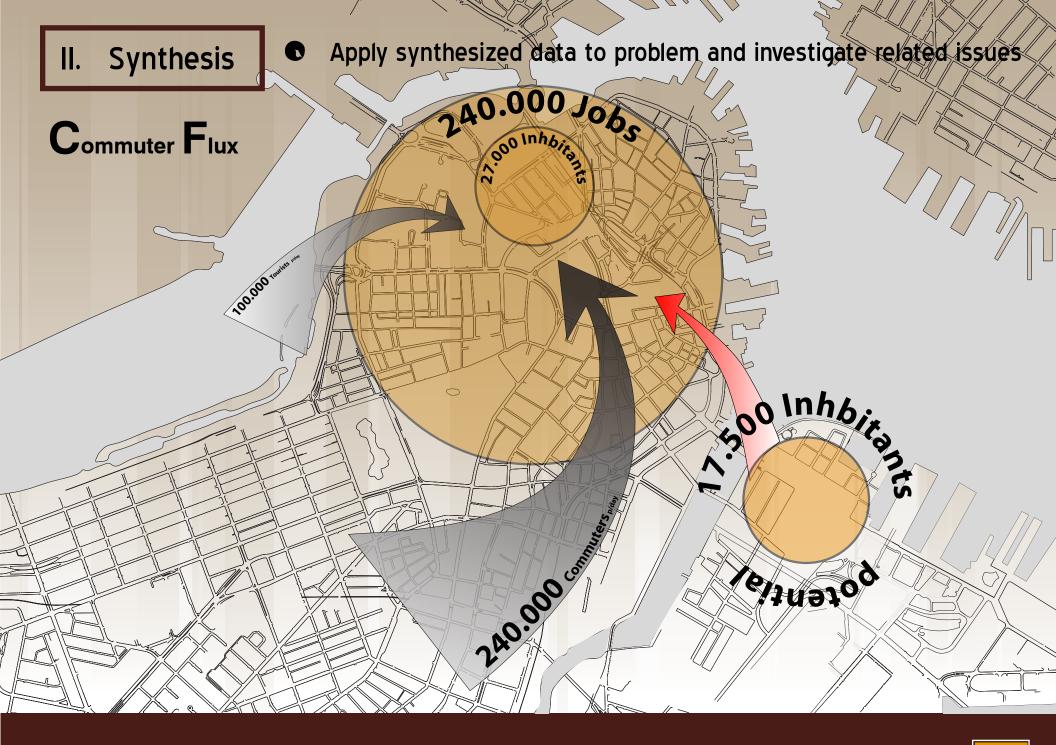


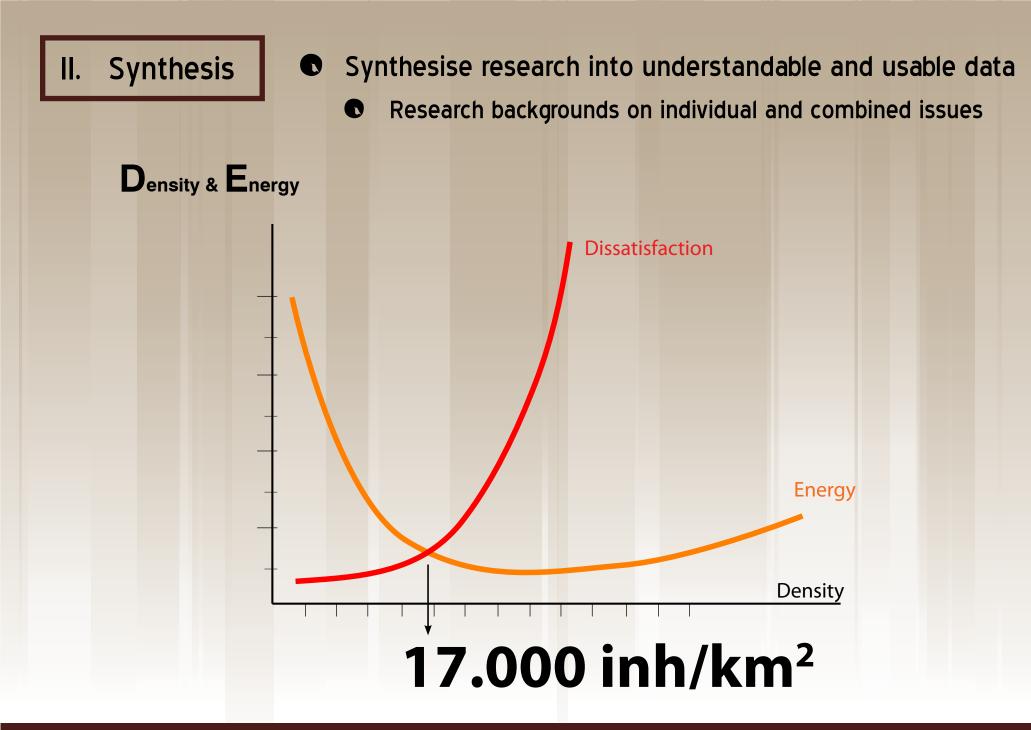


- Synthesise research into understandable and usable data
 - Compiling, visualizing & correlating data
 - Research backgrounds on individual and combined issues

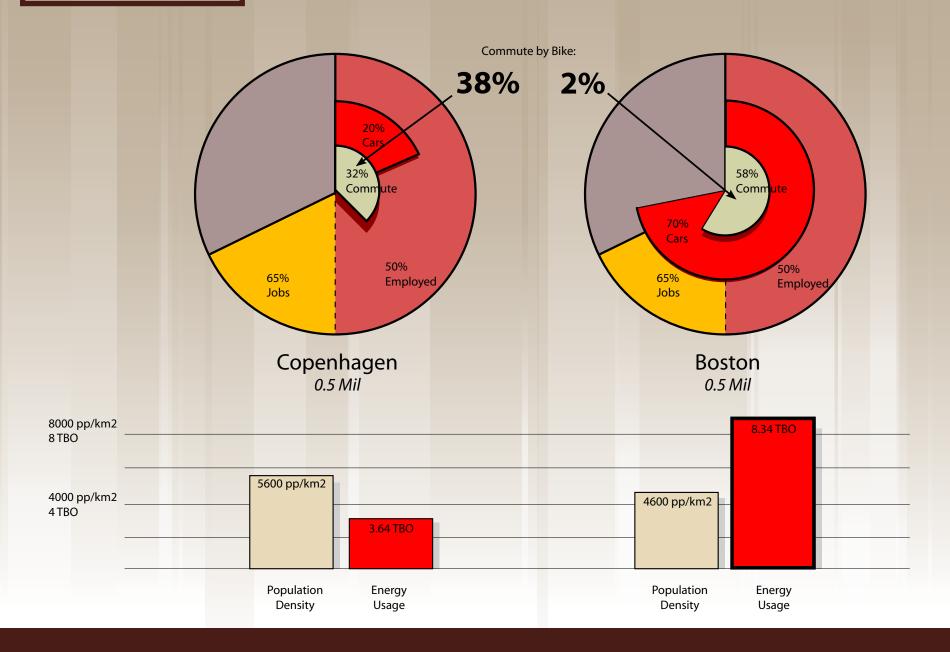


Boston City





Research similar issues & solutions around the world

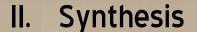




- II. Synthesis
- Research similar issues & solutions around the world



Foundations of a design approach



Research similar issues & solutions around the world



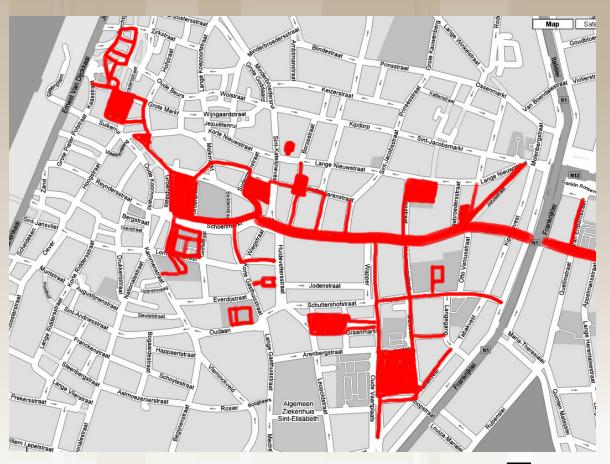
Copenhagen City Center

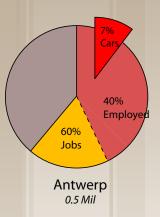
Copenhagen



Research similar issues & solutions around the world

Pedestrian Policy





Antwerp City Center

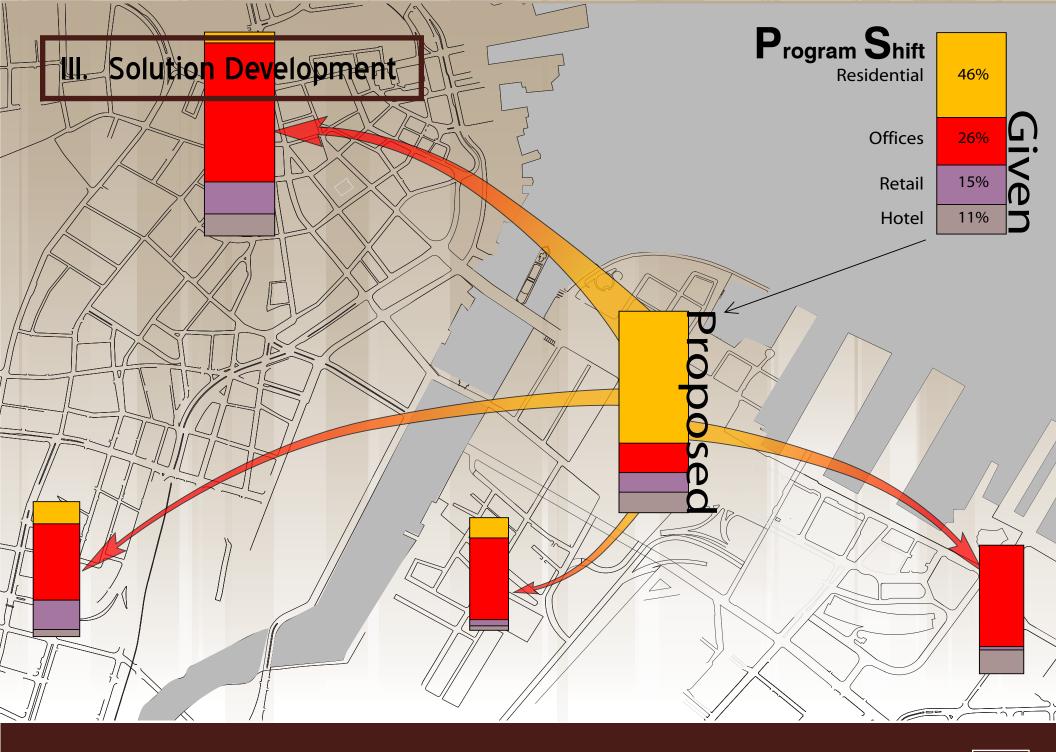
Antwerp

• Define areas for design development

- Reduce daily traffic flux by providing high density residential
- Promote work at home and live/work buildings
- Pedestrianize (car-less) and promote public transport
- Extend subway network
- Create partial self-sustainable region



- Develop ideas that address all listed issues
- Rinse & Repeat several times
- Combine best ideas
- Go to evaluation stage & redo process
- Woo client



Boston City

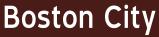
High density

Reclaim road space:

- Reduction of roads
- Buildings Over Roads

Space Gained:

150.000 ft²



- High density
- Green Rooves



- High density
- Green Rooves
- Car-less development

Autodate



Access Control







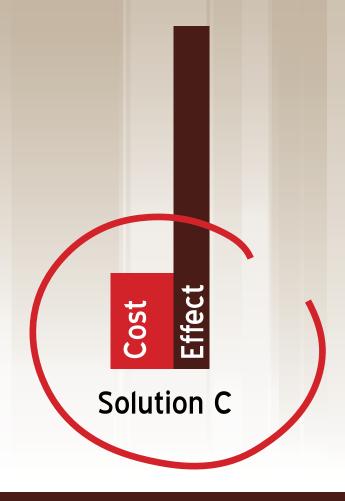


IV. Solution Evaluation

• Test combined solutions against stated goal & requirements







IV. Solution Evaluation

- There is never just one approach, or solution. Keep thinking.
- Largest savings made early in the process (size, program, etc)
- Maximize your territory and expand the design's influence
- Proper Research = Proper Solutions, Bad Research = Flying Blind
- A solution for one place is often not effective somewhere else
- Reduction of energy use before sustainable energy generation
- Work within economic realities and use them to your advantage
- Politicians are your best friend. Unfortunately.

