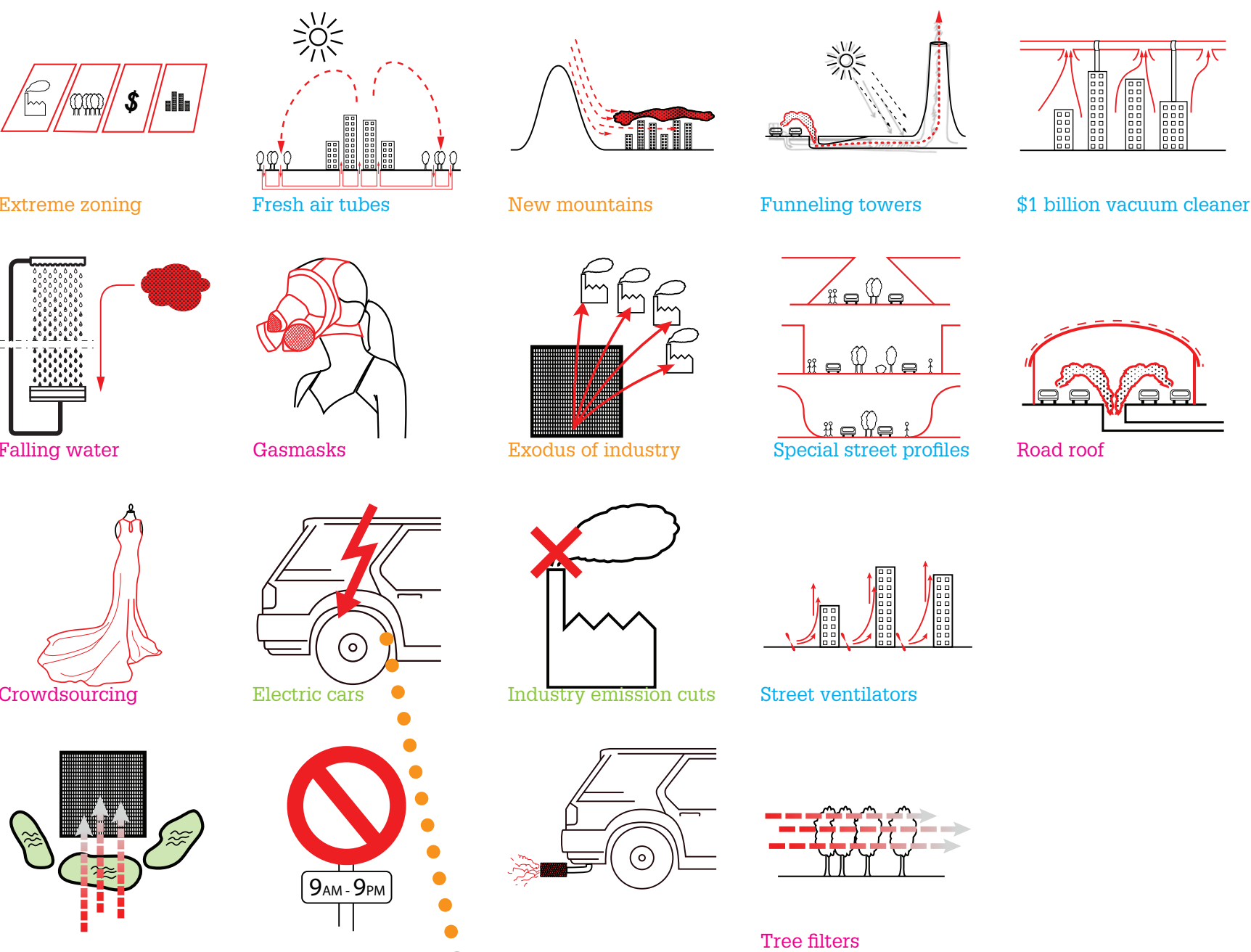


A Catalogue of Urban Strategies towards better air quality in cities



Create a CATALOGUE with URBAN STRATEGIES that work towards reducing air pollution in cities.

By reducing air pollution we can reduce the loss of life years/ healthy life years.
The air quality of every city should be as the air quality guidelines of the World Health Organization prescribe.



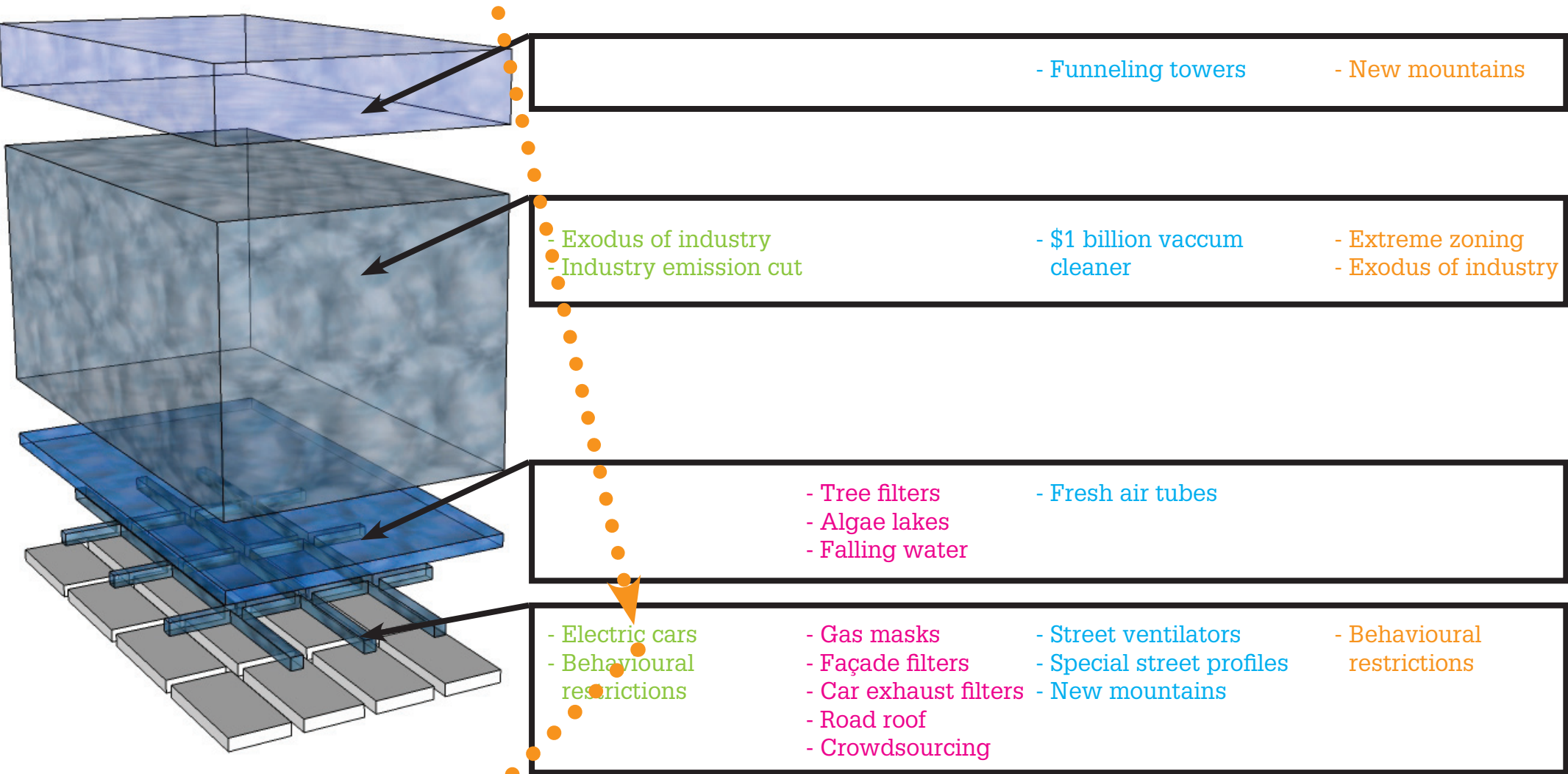
NO ₂ Nitrogen dioxide	PM ₁₀ Particulate Matter	O ₃ Ozone	CO Carbonoxide	SO ₂ Sulfurdioxide																																																		
<ul style="list-style-type: none">Internal combustion enginesThermal power stationsPulp millsButane heatersStoves	<ul style="list-style-type: none">Diesel combustion enginesTrafficPower plantsSoil dustSea saltIndustryNO_x, SO_x, NH₃, O₃	<ul style="list-style-type: none">VehiclesChemical plantsRefineriesIndustryNO_x + VOC's	<ul style="list-style-type: none">Internal combustion enginesThermal power stationsPulp millsButane heatersStoves	<ul style="list-style-type: none">Burning fossil fuelsSmelting mineral oresBurning oil and coalPower plantsIndustry																																																		
<ul style="list-style-type: none">Respiratory illness in young children.Harm lung function in people with existing respiratory illnesses.Increased susceptibility to respiratory infection.Attraction in the lung.	<ul style="list-style-type: none">Tens of thousands of premature deaths every year.Increased emergency room visits.Asthma attacks.Decreased lung function.	<ul style="list-style-type: none">Coughing, irritation of the airways, discomfort in the chest or when breathing.Persistent swelling of the lungs.Faster or more shallow breathing.Aggravation of asthma, emphysema, and other respiratory diseases.Increased risk of respiratory infections.	<ul style="list-style-type: none">Reduced oxygen delivery to the body's organs and tissues.Headaches.Visual impairment.Reduced work capacity.Reduced mental alertness.Poor learning ability.Difficulty in performing complex tasks.	<ul style="list-style-type: none">Breathing problems with asthmatic children and adults who are active outdoors.Whooping, chest tightness and shortness of breath.Respiratory illness.Aggravation in the lungs' defenses.Aggravation of existing cardiovascular disease.																																																		
<table><tr><th>WHO</th><th>NO2 24hours annual</th></tr><tr><td></td><td>200 40</td></tr><tr><td>China I</td><td>120 80 40</td></tr><tr><td>China II</td><td>120 80 40</td></tr><tr><td>China III</td><td>200 120 80</td></tr></table> <p>Class I: rural, historical and conservation areas. Class II: industrial sites and road areas. Class III: industrial and heavy traffic areas.</p>	WHO	NO2 24hours annual		200 40	China I	120 80 40	China II	120 80 40	China III	200 120 80	<table><tr><th>WHO</th><th>PM10 24hours annual</th></tr><tr><td></td><td>50 40 20</td></tr><tr><td>China I</td><td>50 40 20</td></tr><tr><td>China II</td><td>100 60 30</td></tr><tr><td>China III</td><td>150 100 50</td></tr></table>	WHO	PM10 24hours annual		50 40 20	China I	50 40 20	China II	100 60 30	China III	150 100 50	<table><tr><th>WHO</th><th>O3 24hours annual</th></tr><tr><td></td><td>120 100 200</td></tr><tr><td>China I</td><td>120 100 200</td></tr><tr><td>China II</td><td>120 100 200</td></tr><tr><td>China III</td><td>120 100 200</td></tr></table>	WHO	O3 24hours annual		120 100 200	China I	120 100 200	China II	120 100 200	China III	120 100 200	<table><tr><th>WHO</th><th>CO hour annual</th></tr><tr><td></td><td>200 40</td></tr><tr><td>China I</td><td>200 100 200</td></tr><tr><td>China II</td><td>200 100 200</td></tr><tr><td>China III</td><td>200 100 200</td></tr></table>	WHO	CO hour annual		200 40	China I	200 100 200	China II	200 100 200	China III	200 100 200	<table><tr><th>WHO</th><th>SO2 10min 24hours</th></tr><tr><td></td><td>150 50 20</td></tr><tr><td>China I</td><td>150 50 20</td></tr><tr><td>China II</td><td>200 100 50</td></tr><tr><td>China III</td><td>200 100 100</td></tr></table>	WHO	SO2 10min 24hours		150 50 20	China I	150 50 20	China II	200 100 50	China III	200 100 100
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<ul style="list-style-type: none">Car exhaust filtersElectric carsGas masks	<ul style="list-style-type: none">Car exhaust filtersElectric carsGas masksTree filtersIndustry emission cutExodus of industryFalling water filterStreet ventilatorsRoad roof	<ul style="list-style-type: none">Car exhaust filtersElectric carsGas masksNew mountainIndustry emission cutPolicy makingExodus of industryFresh air tubes	<ul style="list-style-type: none">Car exhaust filtersElectric carsGas masksIndustry emission cutExodus of industry	<ul style="list-style-type: none">Car exhaust filtersElectric carsGas masksIndustry emission cutExodus of industryRoad roof																																																		

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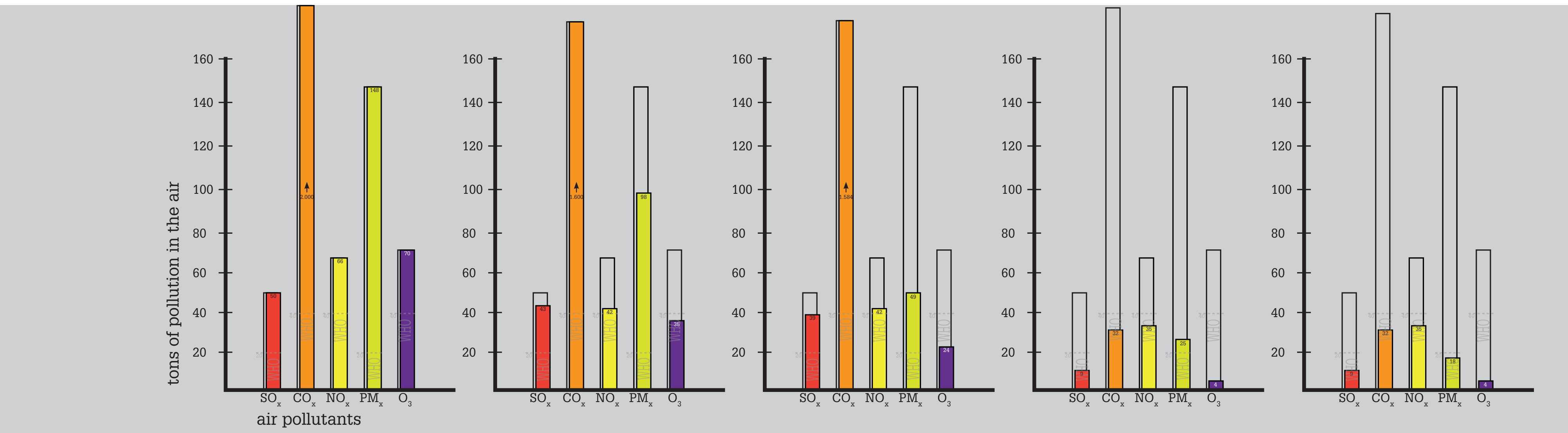
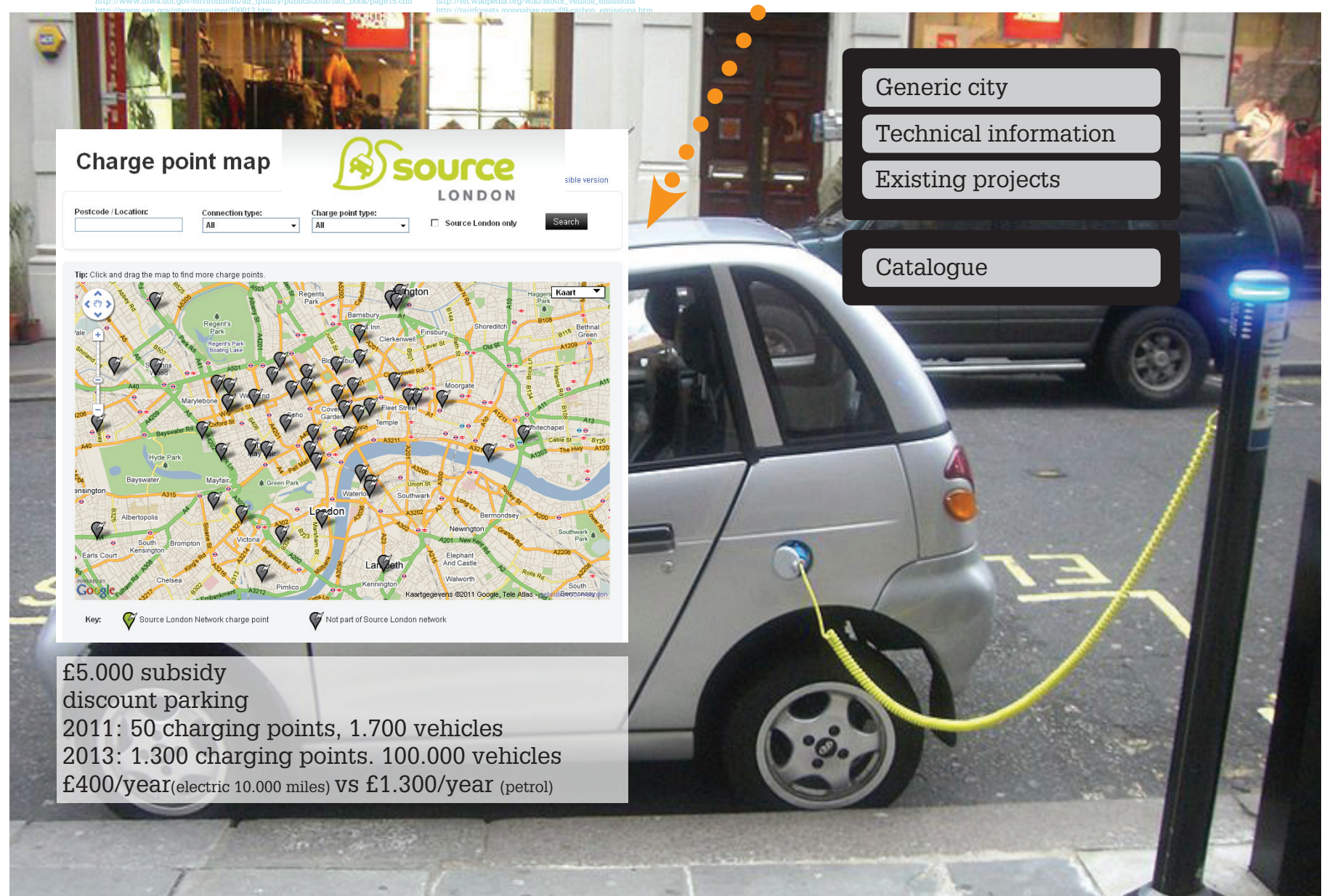
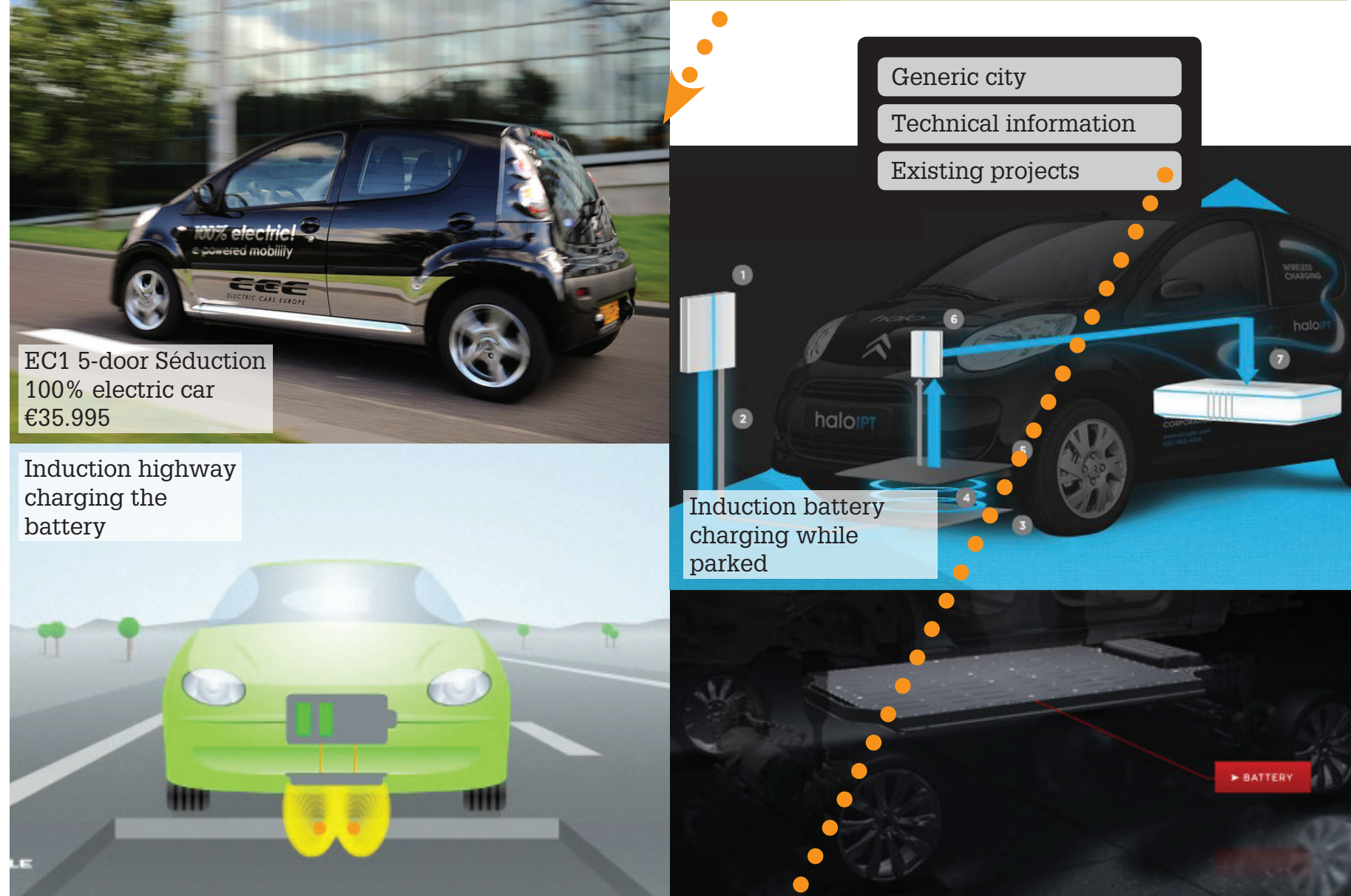
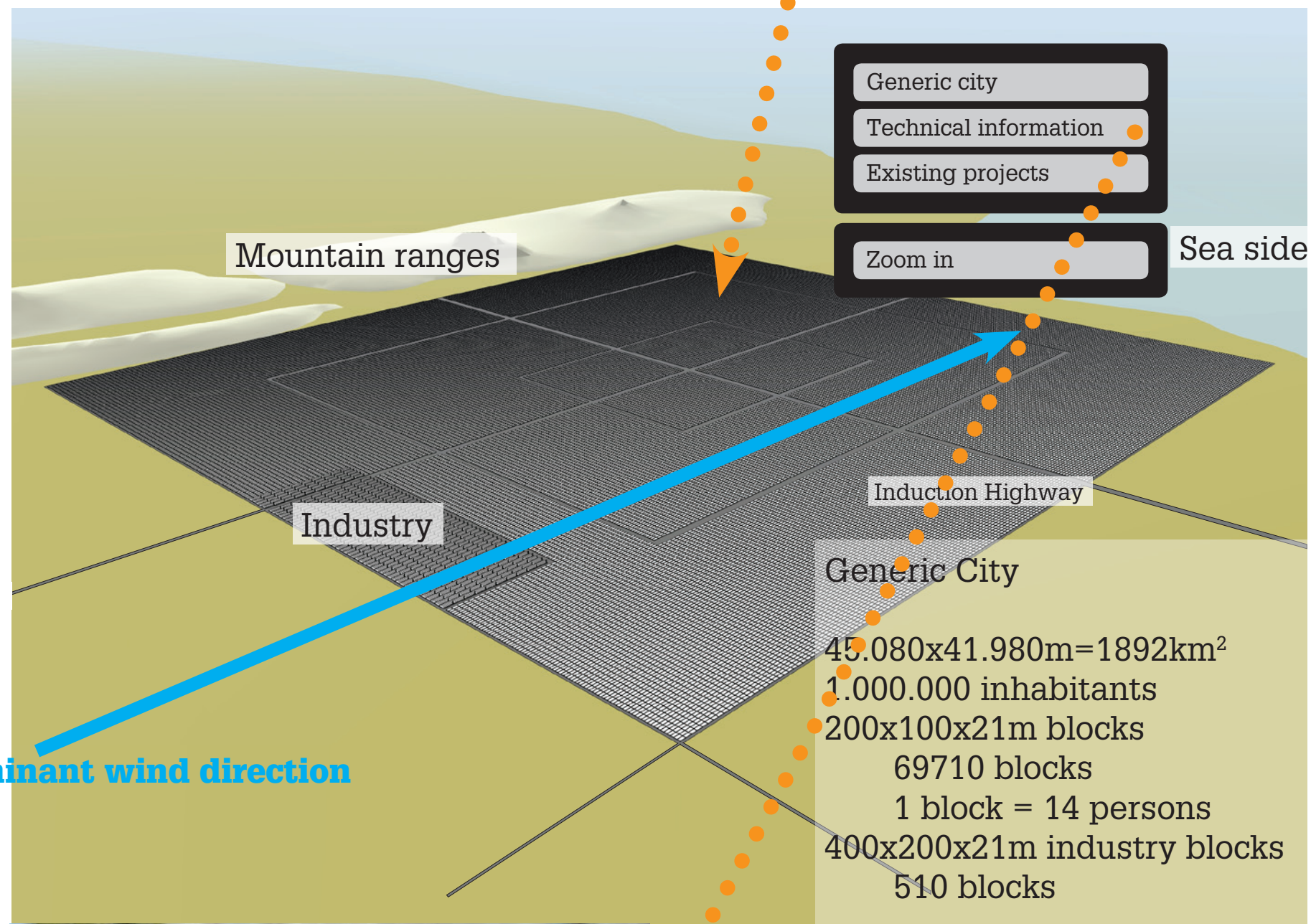
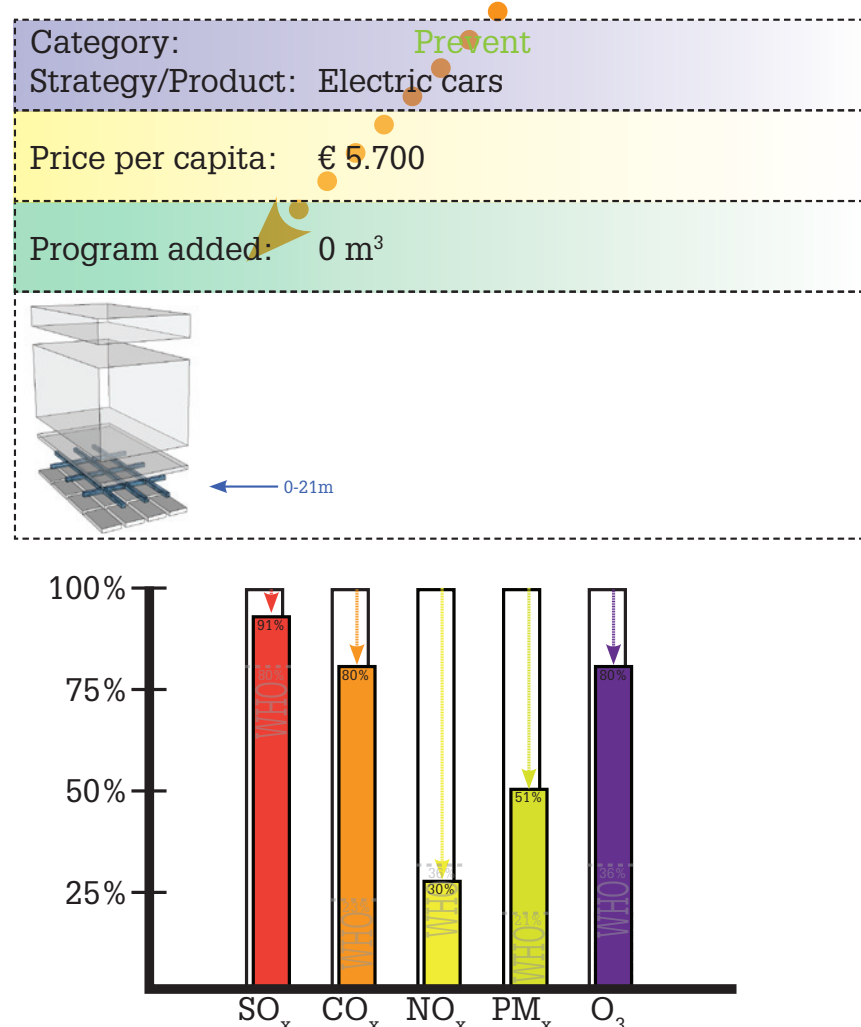
reduction from 70 to 20 µg/m³ means 15% less deaths

daily mortality drops by 0.5% and that for chronic diseases by 0.4 % per 10 µg/m³ increase in ozone

Prevent Filter Ventilate Shift



Electric Cars



Beijing now + Algae filters + Tree filters + Solar towers + Waterfalls

