

# IMAGING CITIES OF THE FUTURE

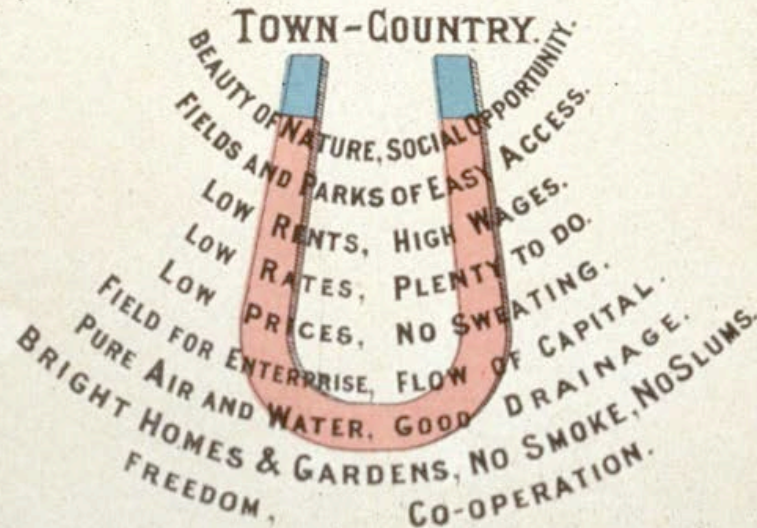
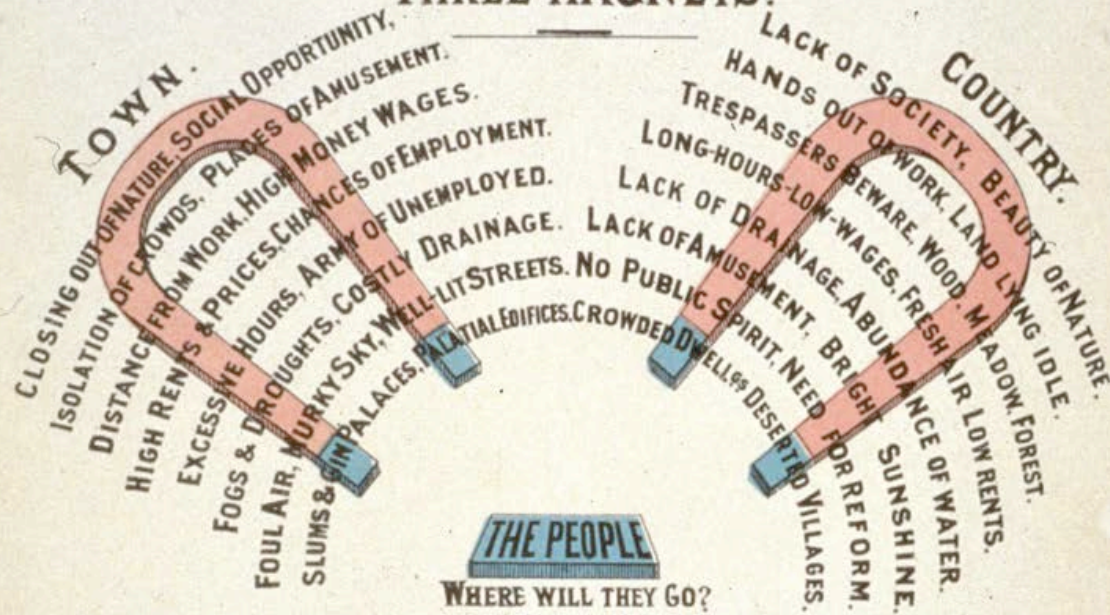
## Solutions, Innovations, and Partnerships for Sustainable Urbanization

Lance Jay Brown, FAIA, DPACSA  
2014 President, AIA New York Chapter  
Consortium for Sustainable Urbanization

ECOSOC Integration Segment 27-27 May 2014 NYC

# THE THREE MAGNETS.

Nº 1.



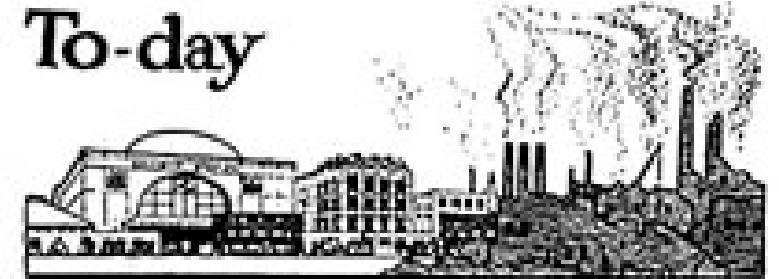
Excerpted from the pages of "Punch" Christmas Number, 1910.

## Yesterday



*Living and Working in the Smoke*

## To-day

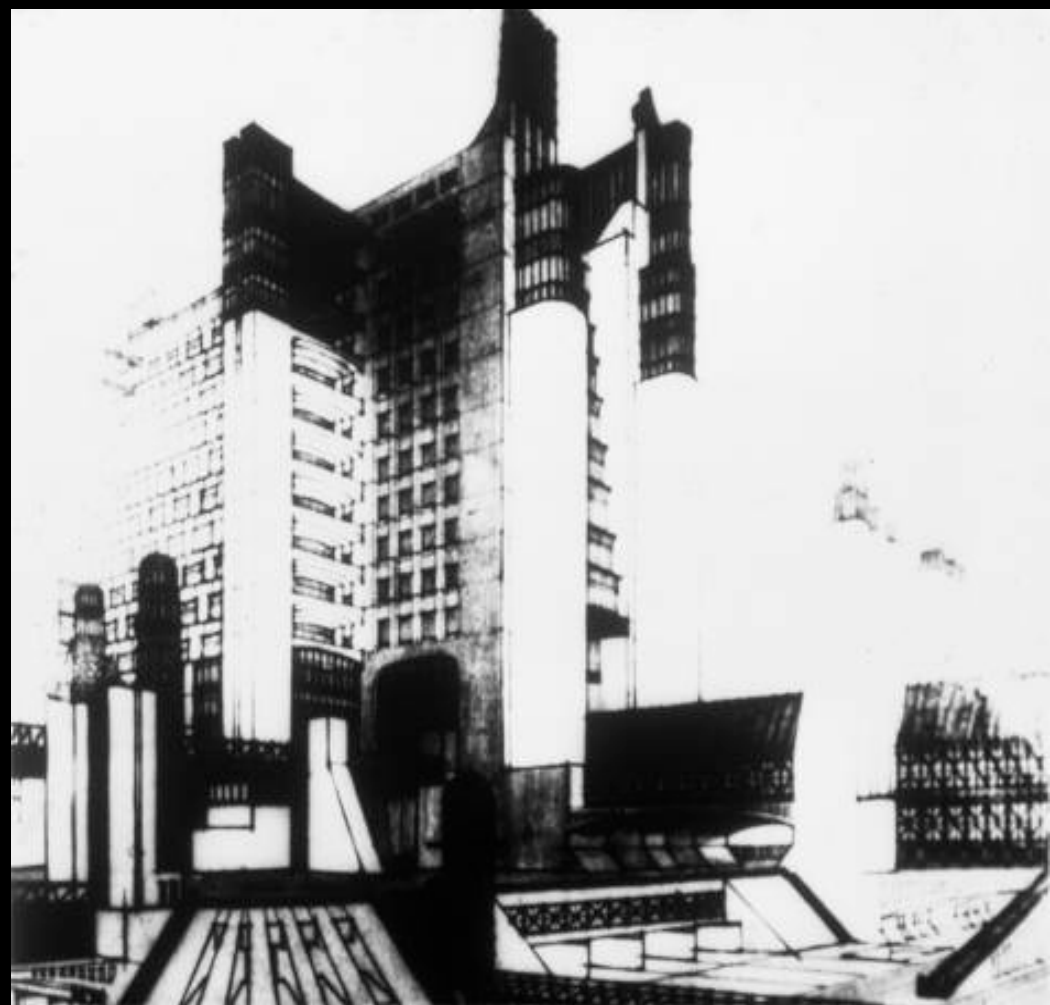
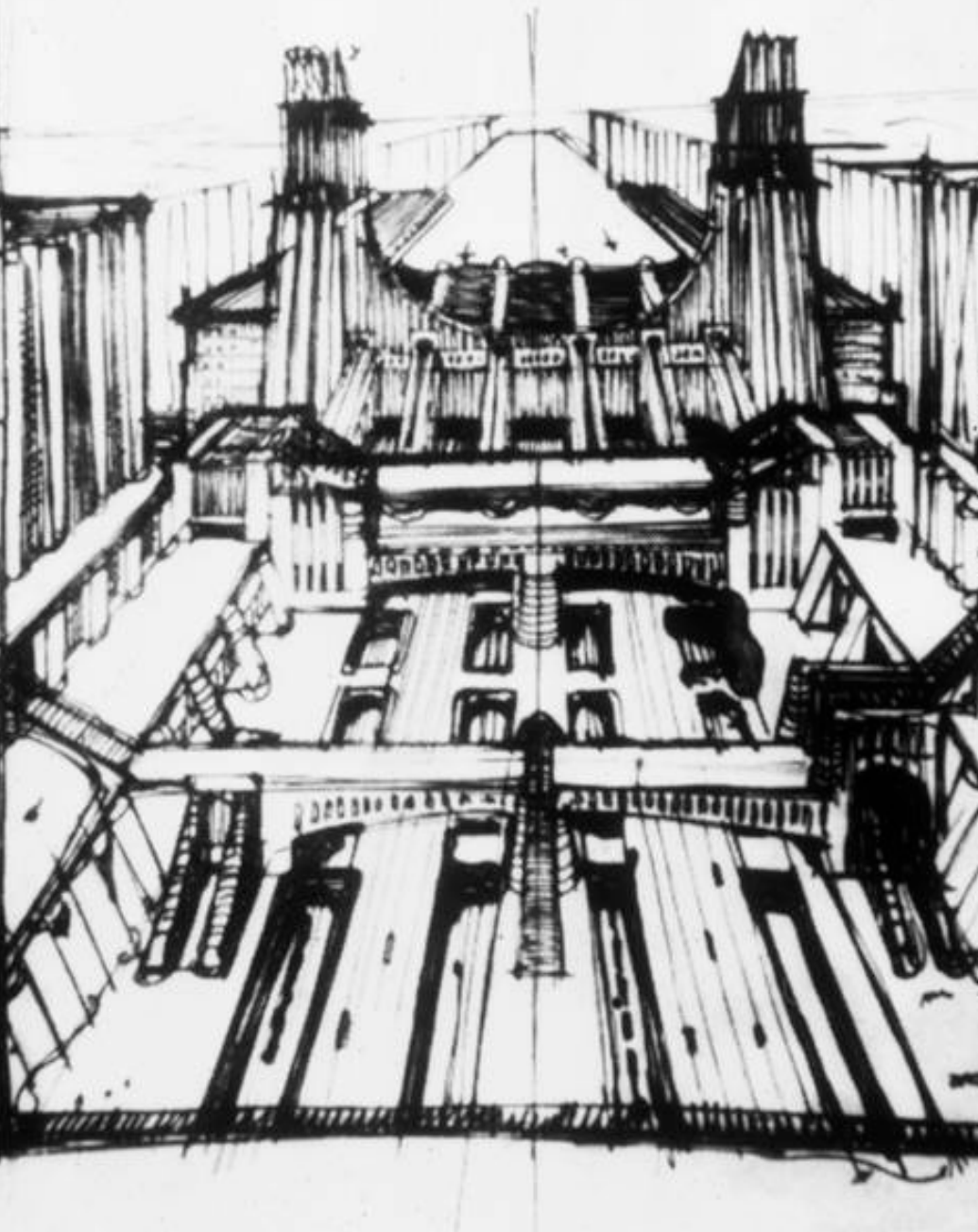


*Living in the Suburbs - Working in the Smoke*

## To-morrow



*Living & Working in the Sun at WELWYN GARDEN CITY*



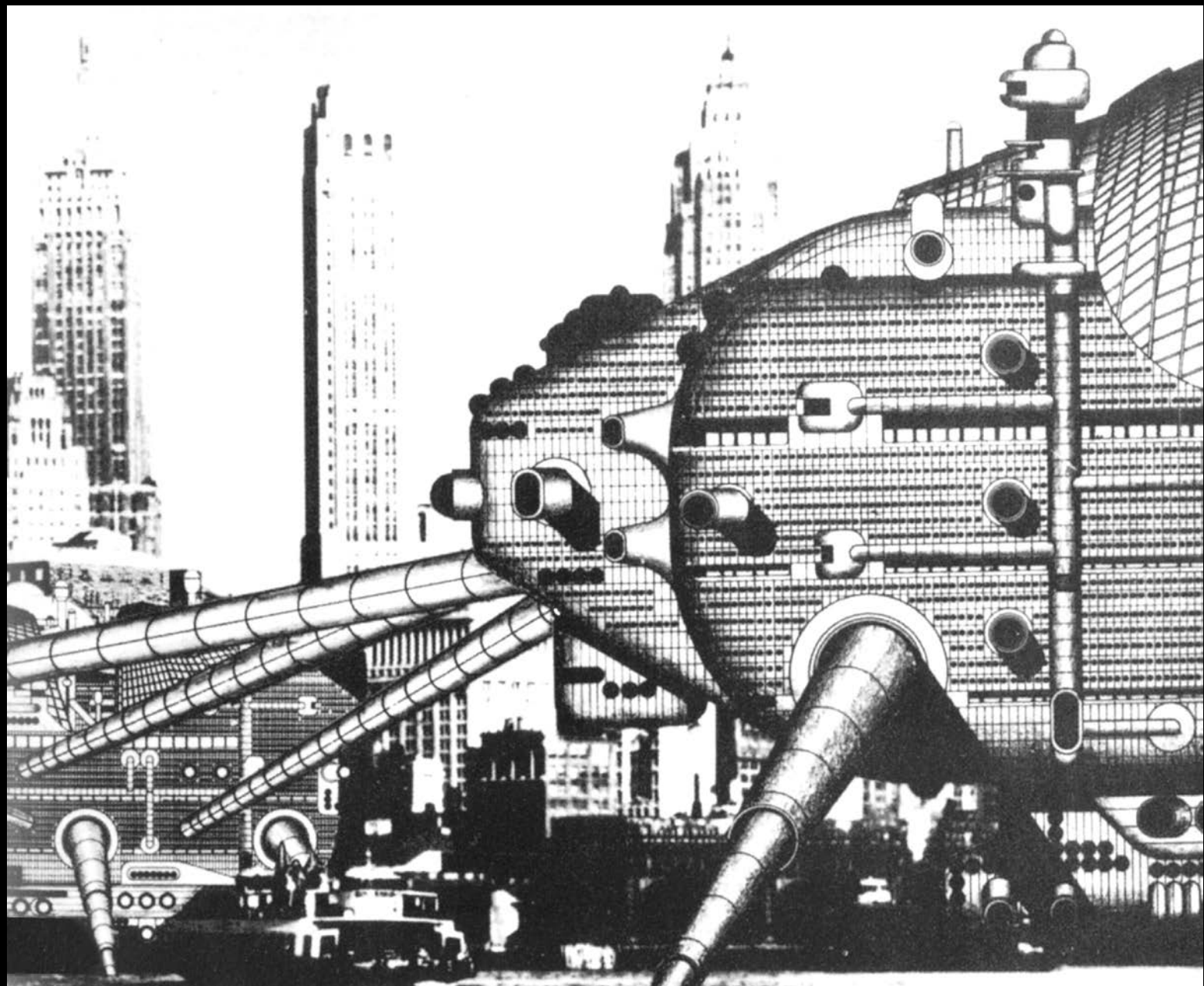


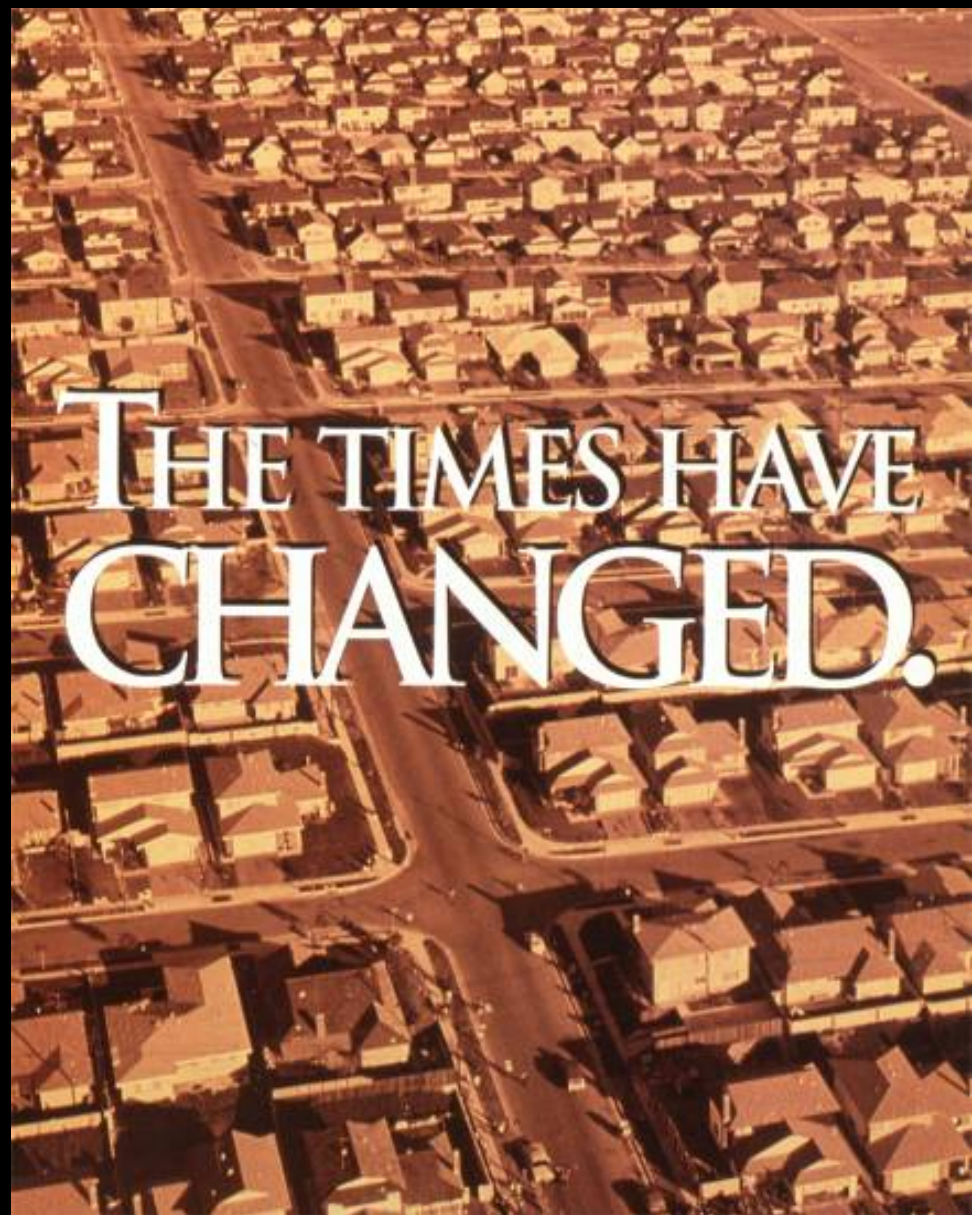






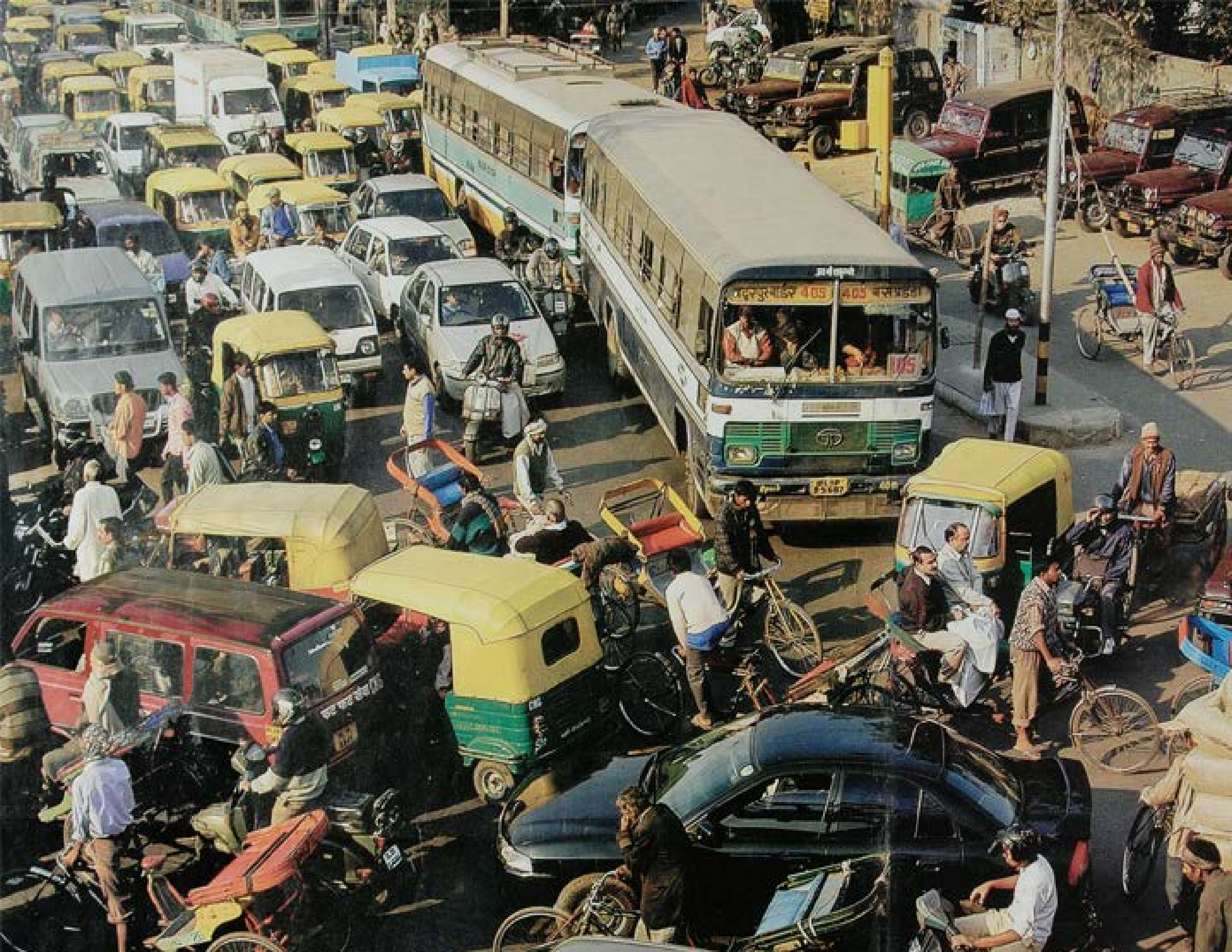






THE TIMES HAVE  
CHANGED.









# What's the Problem?









KATRINA



SANDY



### NYC: Today's 100-Year Flood Could Occur Every 10 Years under the Higher-Emissions Scenario

The light blue area in these maps depicts today's 100-year flood zone for New York City (i.e., the area of the city that is expected to be flooded once every 100 years). With additional sea-level rise by 2100 under the higher-emissions scenario, this approximate area is projected to have a 10 percent chance of flooding in any given year; under the lower-emissions scenario, a 5 percent chance. As the close-up shows, critical transportation infrastructure located in the Battery could be flooded far more frequently unless protected. The 100-year flood at the end of the century (not mapped here) is projected to inundate a far larger area of New York City, especially under the higher-emissions scenario.



SECOND EDITION

# URBAN DESIGN FOR AN URBAN CENTURY

SHAPING MORE LIVABLE, EQUITABLE,  
AND RESILIENT CITIES

LANCE JAY BROWN, FAIA • DAVID DIXON, FAIA • OLIVER GILLHAM, FAIA

WILEY

**1. Enhance livability:** Offer the widest possible individual choices for living healthier, more satisfying lives.

America abounds in drivable environments that offer limited choices for living, working, shopping, and entertainment. That model might have worked universally in 1960, when mass-market culture ensured that everyone could find satisfaction by choosing from a few defined options. But that doesn't work today. We live in a far more diverse society and have the capacity to connect with people of similar tastes and interests to create smaller but viable . Today, livability benefits strongly *walkable* environments that offer ready access to a broad range of life choices, and urban designers should make creating such environments their top priority.

**2. Create community:** Invite people from all walks of life to engage each other.

For generations, most Americans of all races and incomes found ready community in the churches, schools, parks, and even workplaces they shared. Ironically, segregation, suburbanization, and single-use zoning reinforced the homogeneity that nurtured this sense of community. As America increasingly becomes a “nation of niches,” people increasingly seek the experience of community that American life no longer provides as a matter of course. The work of urban design is to nurture that sense of community.



### **3. Expand opportunity:** Make cities and regions more economically competitive.

As knowledge industries grow more important to the U.S. economy, thriving cities become essential to regions hoping to lure better jobs and the investment the companies hiring for those jobs bring with them. Cities can provide the dense, walkable environments that attract talent, promote culture, and nurture innovation. The trillions of public dollars invested in regional highways and sprawl since 1950 have undermined cities' ability to do these things, in the process leaving them ill-prepared to compete in a global knowledge economy.

| Urban designers must equip cities to compete by creating livable, community rich urban centers.

**4. Promote equality:** Advance equitable access to livability, community, and opportunity.

A growing “opportunity gap” has raised income disparities to record levels and pushed millions of poor Americans out of center cities and further from access to transit, jobs, healthcare, and education—the very resources they need to succeed. Displacement deepens the misery, longevity, and social costs of poverty—which research shows degrades quality of life across all income and social levels. Urban design plays a central role in creating environments that help make society more equitable.

**5. Foster sustainability:** Pursue a full agenda of environmental responsibility and resilience.

A growing awareness of the costs of sprawl and the rapid acceleration of climate change have set the stage for a new era of regional cooperation. Governments will spend tens of trillions of dollars to improve environmental performance, reverse sprawl, and achieve resilience. Urban designers have a responsibility to ensure that investments in resilience translate into improved livability, community, opportunity, and equity.



# DESIGN COMPETITIONS

## SPONSORS



Department of  
Housing Preservation  
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# FARROC

## FOR A RESILIENT ROCKAWAY

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Stockholm-based White Arkitekter, along with partners ARUP and Gensler, has been announced as the winner of the two-phase “For a Resilient Rockaway” (FAR ROC) design competition in New York. Selected from a shortlist of four and an international pool of 117, White Arkitekter’s “untraditional” proposal aims to transform an 80-acre shoreline site in the Rockaways into a resilient and affordable community through a series of small interventions that can be tested, adjusted, or redesigned over time

that will explore innovative strategies for the planning, design and construction of a resilient and sustainable development at Arverne East, an 80+ acre site on the Rockaway Peninsula

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28 Oct



# WHITE ARKITEKTER









# ENNEAD

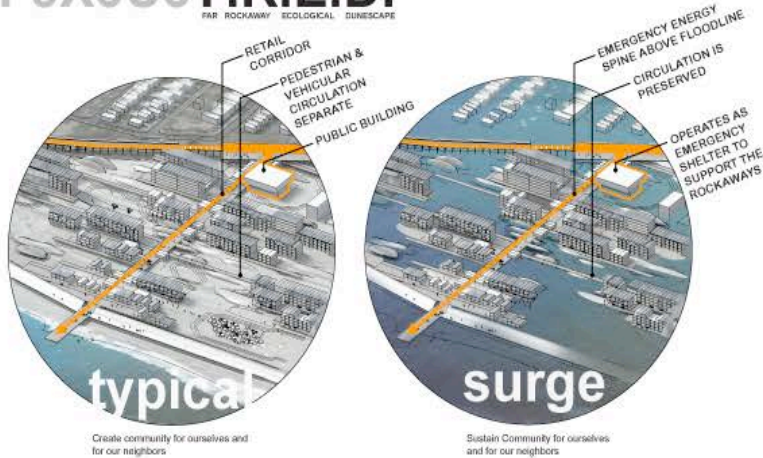




# ENNEAD

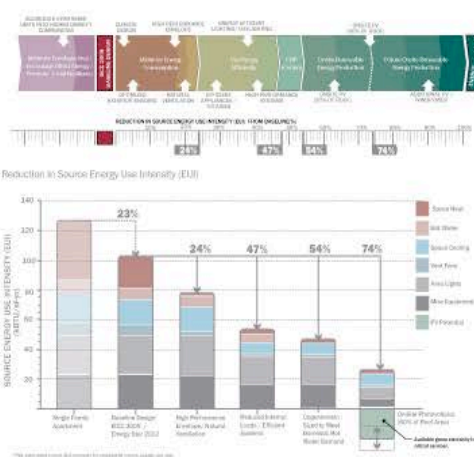
## F8X3U3 F.R.E.D.

FAR ROCKAWAY ECOLOGICAL DUNESCAPE



### Energy Path to a Resilient Future

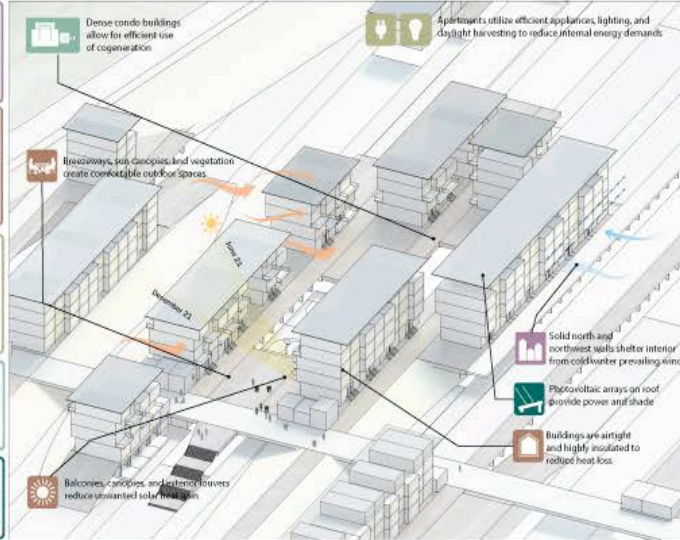
"Energy Model based on a 'Typical' Building Node of 34 Townhouses"



**Development Goals**  
The building node is designed to be a model for a resilient future. It is designed to be a model for a resilient future. It is designed to be a model for a resilient future.

**Energy Path**  
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**RESILIENCE** Adaptable livelihoods functioning as seasonal or temporal public spaces and parking are allowed to flood. If we cannot protect our neighbor's property in a storm, we can at least be a safe haven.

**SUSTAINABILITY** Efficient building nodes reduce envelope waste, create cogen opportunities and possibilities for distributed generation giving back to the grid, as we work towards self-sufficiency.

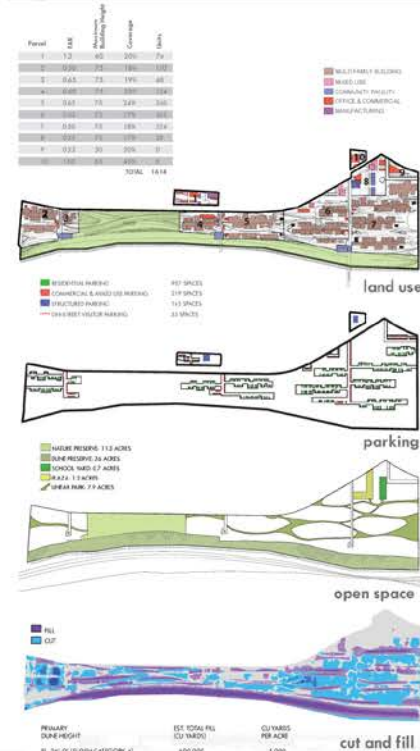




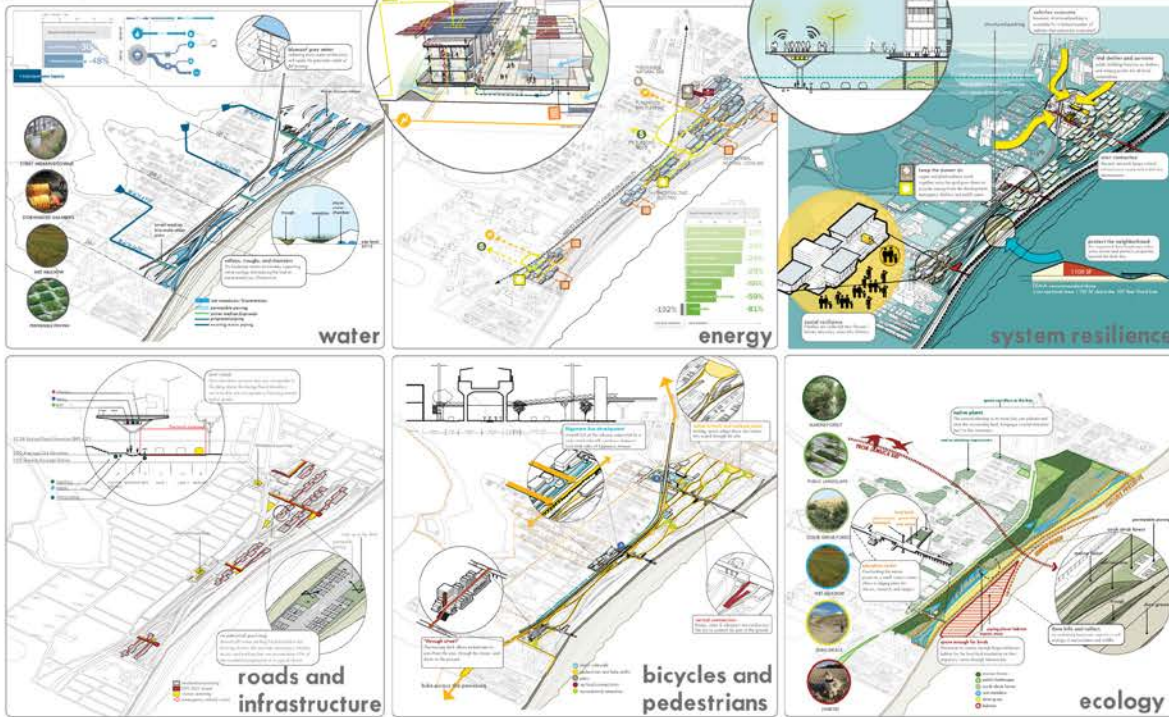
# ENNEAD STRATEGIES



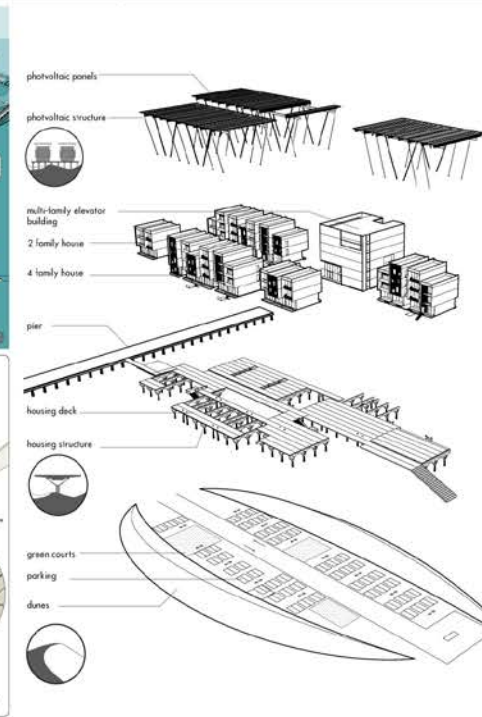
## by the numbers



## site systems



## kit of parts



**living dunes**  
Dunes are the first line of coastal defense against the force of the ocean, absorbing storms and surges and protecting vulnerable coastal areas. But dunes are a living, moving, dynamic environment, changing with winds and ocean erosion. To gain their protection, we have to learn to live with them.



# ENNEAD

























The Beginning.....