

ACHIEVING A ZERO CARBON BUILT ENVIRONMENT

Step 1.

Planning
Design &
Construction
(No onsite fossil fuels)

70%-80%

(no cost / low cost)

Step 2.



Renewables

Zero Carbon



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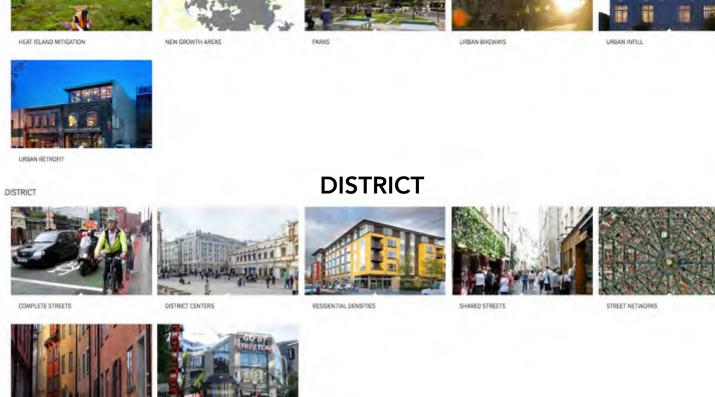
Step 2.

Renewables 20%-30%













STREET WIDTH AND ORIENTATION TRANSIT-ORIENTED DEVELOPMENT

SITE SITE







SOLAR ACCESS



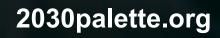


SUSTAINABLE SITES VEGETATIVE COOLING



WATER CATCHIMENT AND STORAGE

CONSTRUCTED WETLAND





So, what can we do?

The 10 Principles

for a new era in design and planning















URBAN PLANNING

Growth Boundaries & Compact, Resilient Developments

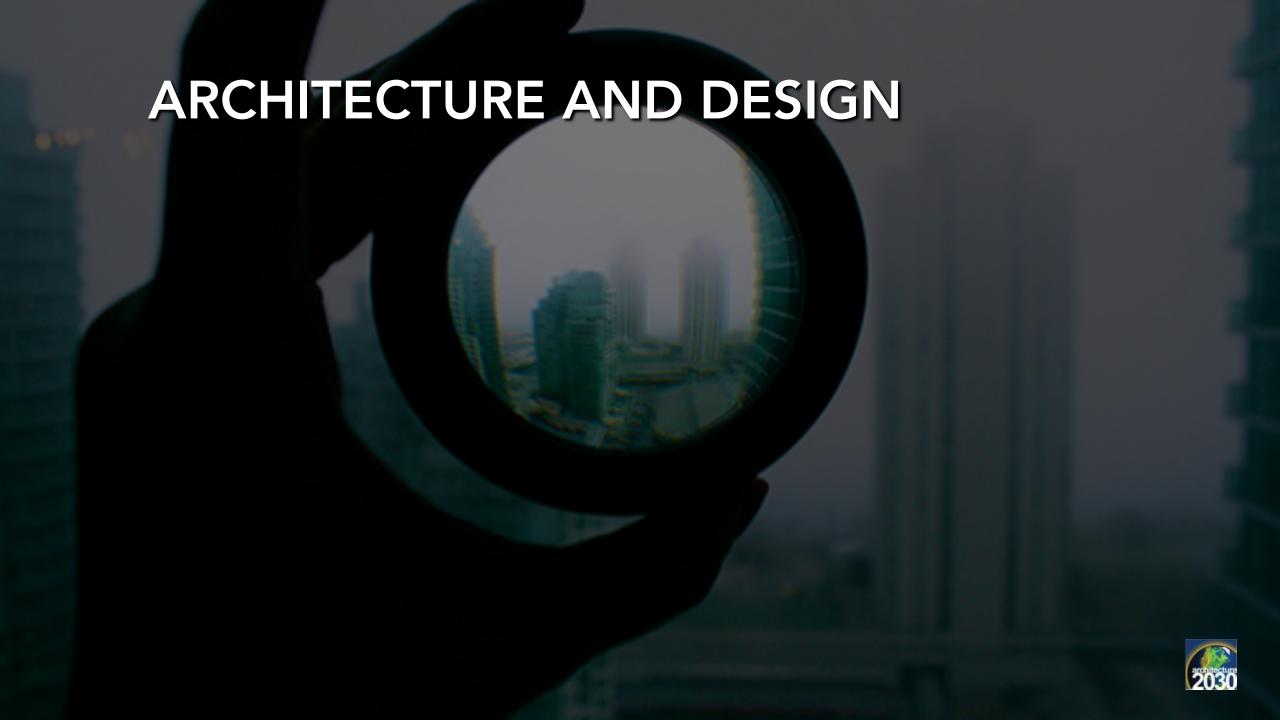
Natural Environments, Open Lands & Parks

Transit-Oriented Development & Transit Mobility

Inclusive Mixed-Use Neighborhoods

Human-Scale Streets, Small Blocks, Walking & Biking















ARCHITECTURE AND DESIGN

Electrification, Passive Systems & Renewable Energy

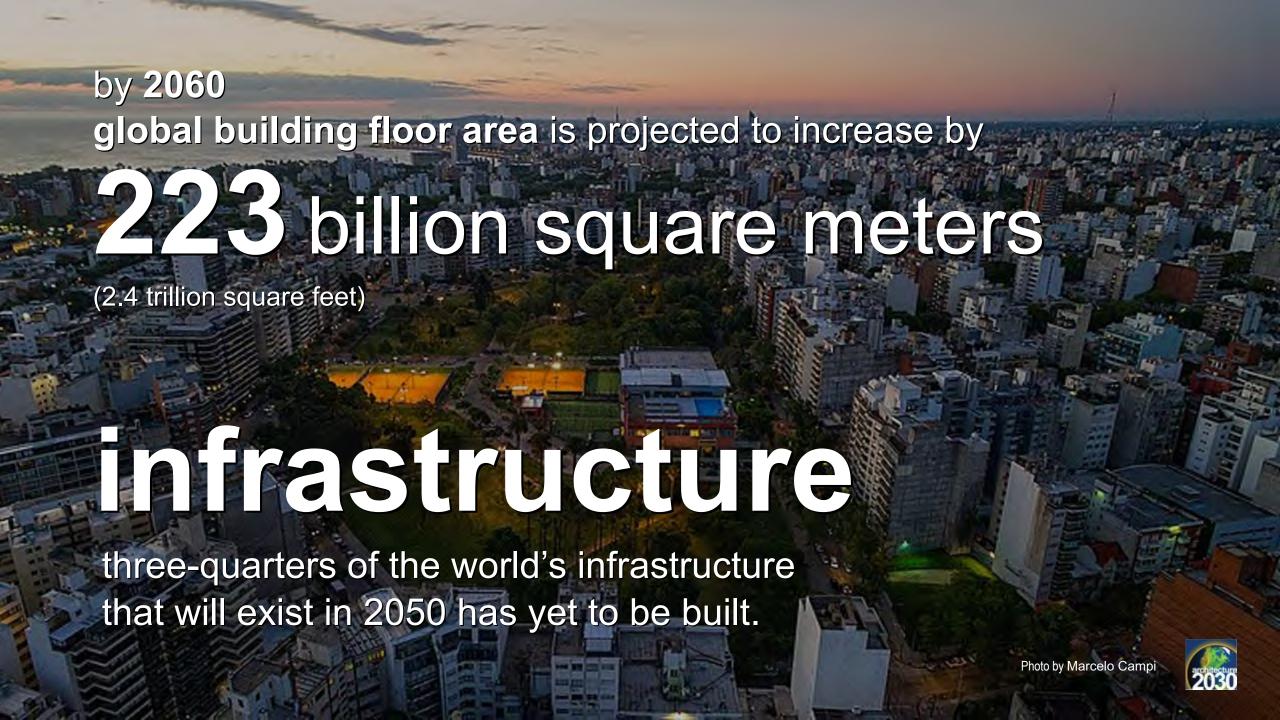
Reuse, Adapt, Renovate & Restore Buildings

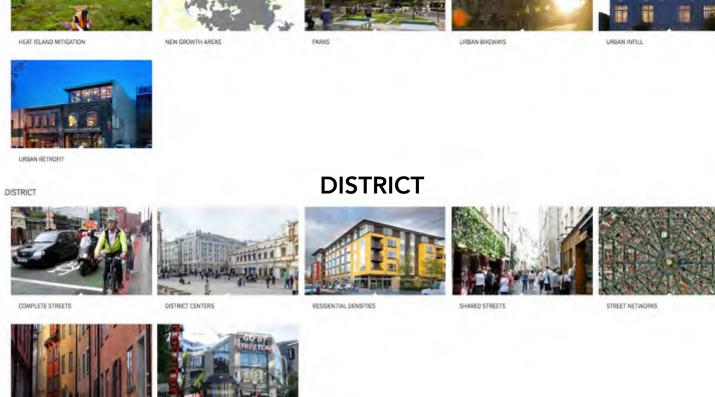
Carbon-Sequestering Landscapes & Infrastructure

Building Disassembly, Optimized Structure & Nature-Based Materials

Mapping & Designing for Climate Impacts











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SITE SITE











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WATER CATCHIMENT AND STORAGE

2030palette.org



GLOBAL DESIGN PRINCIPLES FOR PEOPLE AND PLANET



REVISED CLIMATE TOOLKIT ACTIONS FOR BUILDINGS AND ENERGY

Meet your nation's Paris Agreement targets for CO2 reduction.

Derive power solely from 100% clean renewable energy – generated onsite or procured through market mechanisms.

Eliminate all onsite fossil-fuel combustion to heat buildings (except backup generators).

Build all new buildings to meet latest international energy efficiency standards (e.g. IECC, ASHRAE, ILFI).

Ensure existing buildings achieve an Energy Use Intensity (EUI) 35% below median.

