Creating Intelligent Cities

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RETHINKING THE DESIGN OF SMART & SUSTAINABLE COMMUNITIES





DANIELLE RALLECA FOUNDER & PRESIDENT AUDEO

Social entrepreneur using her public health background to advocate for sustainable communities in the Philippines











AUDEO

We aim to help families achieve sustainable and affordable living. AUDEO is here to revolutionize the housing industry while reducing the plastic footprint. To do this, we are introducing a Colombian technology called Bloqueplás, a lego-like construction brick composed of 90% upcycled plastic.





AUDEO GENERAL TIMELINE









PARTNERSHIPS

PILOT MODEL

ACCREDITATION & CERTIFICATION

FACILITY

LOCAL PRODUCTION



4 DAYS

7 TONS

Build Structural

Framework

Upcycled Plastic

4 PEOPLE

50 - 80%

Build Structural Framework

Reduction in Labor Costs & Lead Time

50 SQ.M SINGLE-STOREY UNIT



QUALITIES



Water Resistant



Withstands winds up to 250 kph



Earthquake Resistant up to 8.0 magnitude



Flame Retardant - Withstands direct heat up to 700°C



Thermoacoustic - 36% temperature decrease indoors



Does not require adhesive, rebar, or plaster



Resistant to Rodents, Insects and Microorganisms



Low maintenance costs



Durable 460 PSI































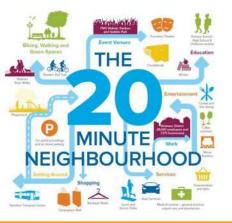


IMPLEMENTING & PROMOTING SUSTAINABLE COMMUNITIES

- Developing self-sustaining ecosystems
- Using a community-based approach
- Surrounding premium-quality housing with proper access to livelihood, food security, sustainable energy, running water access to social services and more
- Partnering with the right organizations and companies to make this happen





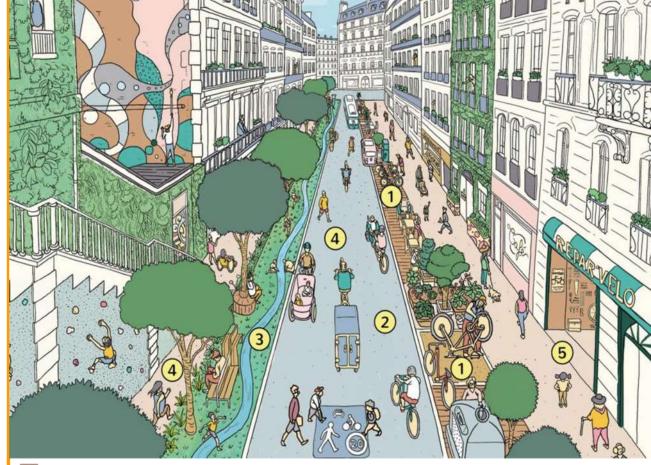


THE 20-MINUTE NEIGHBORHOOD



THE 15-MINUTE CITY





AUDEO COALITION









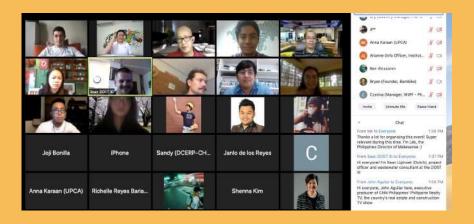








and more!



In response to COVID-19, the AUDEO Coalition was developed to rethink the design of our cities to fight the disease and build more sustainable communities. Our goal is to learn more about industries in different sectors focused on sustainability (social, economic, and environmental) and have professionals across the Philippines put their minds together to create new self-sustaining ecosystems.



RETHINKING WITH OUR CHAMPION COMMUNITY







Miraculous Homeowners Association Rodriguez, Rizal



INTEGRATING INTO A SMART COMMUNITY

- Cities and communities need to be data driven
- Opportunity to use mapping and GIS technology as a basis for development
- Mapping data can help with the transformation of a smart community, no matter how small





STEPS TO BECOMING A SMART COMMUNITY

Organize Your Data Create Operational Efficiency Engage Citizens Have the Right Mobile Strategy Make Data Driven Decisions

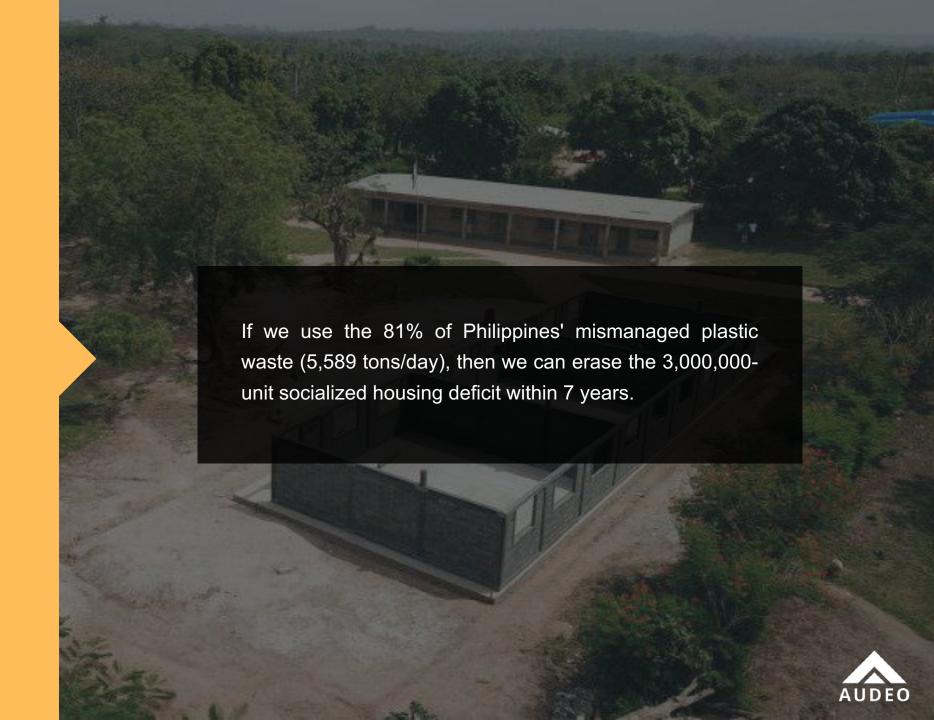


Developing smart and sustainable communities cannot be accomplished by one person or organization. It requires a **multi-actor approach**.





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