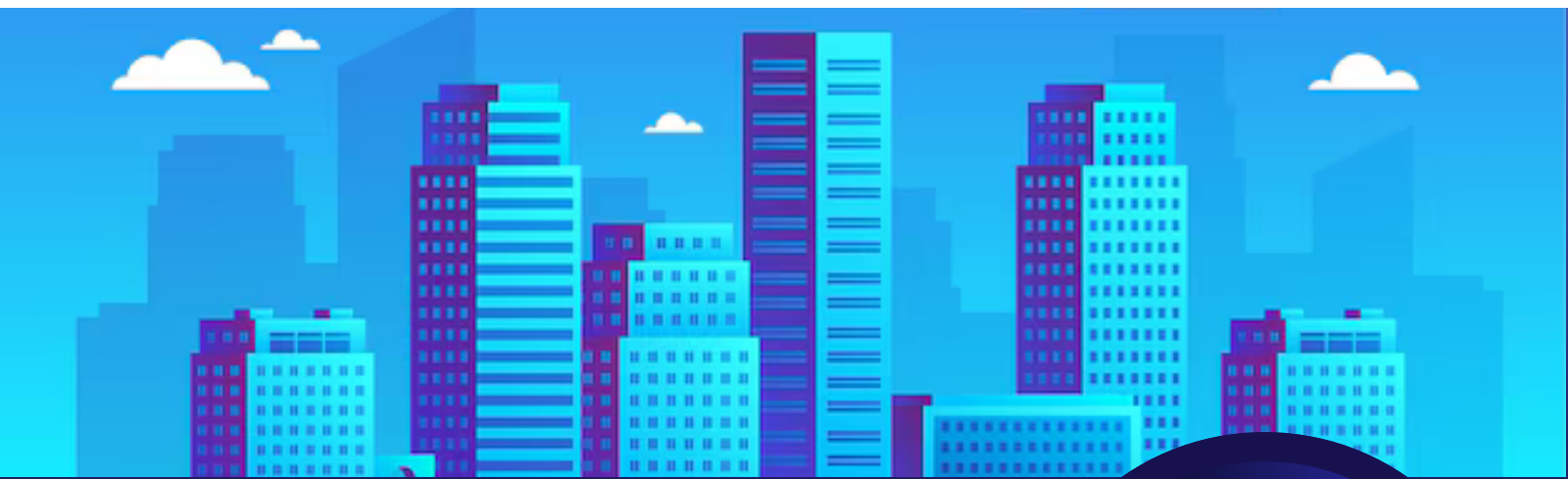


SDG GOAL 11



MAKE CITIES AND HUMAN SETTLEMENTS INCLUSIVE, SAFE, RESILIENT AND SUSTAINABLE



REAL LIFE PROBLEMS:

- Traffic Congestion and Transportation Challenges in Urban Areas
- Informal Settlements and Slums
- Urban sprawl



PROBLEM DESCRIPTION:

Traffic congestion contributes to air pollution, greenhouse gas emissions, and road accidents. Insufficient infrastructure for walking and cycling discourages active modes of transportation, leading to a higher dependency on cars. Urban sprawl leads to air pollution, and environmental degradation and also affects residents' quality of life and well-being. Informal settlements typically arise on land that is occupied without legal title or formal permission, leading to land tenure insecurity for residents. This insecurity makes residents vulnerable to eviction, displacement, and exploitation by landlords, inhibiting long-term investment in housing and community development.



Figure: Sustainable Development Goal 11

PROPOSED SOLUTION:

- Invest in Affordable Housing
- Improve Public Transportation
- Revitalize Informal Settlements
- Strengthen Disaster Resilience
- Water Conservation
- Promote Inclusive Urban Planning
- Enhance Digital Technologies
- Preserve and Enhance Urban Green Spaces
- Promote Inclusive Urban Planning



EXAMPLES:

Example 1: The city of Stockholm, Sweden, invested in expanding its metro system and introduced bus rapid transit (BRT) lanes to provide faster and more reliable public transportation options.

Example 2: Barcelona, Spain, utilizes smart traffic management systems to monitor and optimize traffic flow in real-time.

Example 3: Vancouver, Canada mandates green building standards, encourages energy-efficient construction, and promotes green infrastructure such as green roofs and rain gardens.

IMPACT OF SOLUTION ON SOCIETY:

- Enhanced Public Health and Safety
- Sustainable Urban Development
- Resilience to climate change.
- Social Inclusion and Equity
- Reduced Traffic Congestion
- Improved Air Quality and Environmental Sustainability



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