

01 | M4 CO3 A3 R2 T2

Examples of cities with good practices in resilient infrastructure:



1. Rotterdam, Netherlands

1.1. Problem: Flooding and sea level rise.

1.2. Solutions:

- Water Squares: public spaces that are temporarily flooded in case of rain.
- Green roofs on buildings.
- Underground drainage infrastructure.
- "Rotterdam Climate Initiative" plan for carbon neutrality.

2. Medellín, Colombia

2.1. Problem: Disorderly urban growth, seismic vulnerability, inequality.

2.2. Solutions:

- Urban green corridors to reduce the heat island and capture CO₂.
- Public escalators in steep neighborhoods for accessibility.
- Library parks and comprehensive projects with a social focus.

3. Copenhagen, Denmark

3.1. Problem: Urban flooding due to heavy rains.

3.2. Solutions:

- "Cloudburst" is a plan that redesigns streets as channels to conduct water.
- Parks with temporary retention capacity.
- Combined infrastructure: plazas, skateparks, parks and drainage systems.

4. Tokyo, Japan

4.1. Problem: Earthquakes, tsunamis.

4.2. Solutions:

- Buildings with advanced anti-seismic structures.
- Drills and mass warning systems.
- Decentralized critical infrastructure (hospitals, telecommunications).

5. Barcelona, Spain

5.1.Problem: Extreme heat, air pollution, mobility.

5.2.Solutions:

- New green areas and ecological roofs.
- Superblocks (Supervilles): urban reorganization to return space to pedestrians.