

# **SUSTAINABLE URBAN DEVELOPMENT**

Congestion and Pollution

# Congestion



# Money losses

- ▣ Fuel
- ▣ Car Damage
- ▣ Productivity
- ▣ Efficiency

- ▣ USA: 21.6 billion liters of wasted fuel and \$67.5 billion in lost productivity, or about 0.7% of the nation's GDP. \$1000 for every driver in a large city.
- ▣ UK: £22 bn a year in lost time by 2025

# Environment and Health losses

- ▣ Gas pollution
  - greenhouse effect
  - health problems
- ▣ Stress
- ▣ Blocking city's infrastructure

**Time losses**

Opportunity cost

- ▣ Moscow: 11 lost hours a month per driver
- ▣ Germany: the nation loses 4.7 billions hours a year

**Solution**

