**Urban rail system:** A sustainable mobility proposal for the Metropolitan Area of San Luis Potosí, México

**Problem**
- **Traffic congestion** (number of vehicles increased 300% over the past 20 years)
- **Ill-planned public transportation** (radial pattern does not match city layout)
- **Increased air pollution** (SLP is among the 10 most air-polluted cities in México)
- **Decrease in quality of life** (particularly for low-income social groups, they spent 25% of their salary)

**Current situation**

**Sustainable mobility for San Luis Potosí**

Generate a backbone or main axis of sustainable mobility using electric trains on lines running parallel to existing freight rail lines that cross the city from north to south.

**Main objective**

**Project's integral strategy**

- Sustainable mobility
- Urban regeneration
- Green spaces

= mixed use corridor that combines public transportation, a network of pedestrian trails, bicycle lanes, and a linear park.

The project's insertion is conducive to urban development and would improve the quality of public transportation.

**Benefits:**
- 45% reduction in travel time
- 20% reduction in transportation cost for end users
- 15 km of new bicycle lines
- Reduction of environmental pollution
- Increase of high quality public space
- Transformation in terms of typology and urban landscape along the existing railway corridor.

**Urban project**

In addition to providing much needed infrastructure, the project will redevelop underused urban spaces and advocate non-motorized mobility.

The implementation of this urban rail system for the Metropolitan Area of San Luis Potosí is clearly an asset as well as an opportunity to reorganize public transportation and promote sustainable urban development projects.