

## INTEGRATION AND COMPATIBILITY OF THE TRAFFIC COMPUTERS AND LOCAL TRAFFIC CONTROL EQUIPMENT. CASE BOGOTÁ (COLOMBIA)

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### ABSTRACT

*Mobility within a city is an indicator of the quality of life of its inhabitants. When the technological infrastructure on which the traffic systems are supported does not have sufficient capacities, it causes a deterioration in the ability of an individual to move within their environment. Bogotá's traffic light system requires an update process as it has technological platforms with more than 30 years of service. This article presents the technical characteristics of the existing traffic computers and local traffic control equipment in the Bogotá traffic light system and projects the minimum requirements for the integration of the traffic light infrastructure within an Intelligent Traffic System (SIT).*

**KEYWORDS:** *Mobility, Transportation, Intelligent Transportation System, traffic management center*

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