

استخدام نظام GPS في مراقبة حركة المرور الداخلة والخارجة
للمنطقة المركزية بمكة المكرمة

**UTILIZING THE GLOBAL POSITIONING SYSTEM IN
MONITORING THE FLOW OF TRAFFIC IN/OUT OF MAKKAH'S
CENTRAL DISTRICT**

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Abstract

The Global Positioning System (GPS) has long been utilized in monitoring vehicles equipped with inexpensive GPS receivers and a means of sending the position of the vehicle to a central monitoring station. This type of set-up is suggested in this paper with some practical steps to accommodate for this technology in all future Hajj traffic.

The aim of this proposed study is to reduce traffic congestion in Makkah's central area. Furthermore, a congestion charge may be introduced on Hajj-service providers (Motawiffeen). The charge should have two categories: the first is on busses entering the area. Where the second is on the Hajji him/herself over staying a limited time in the Grand mosque.