

## THE INVESTIGATION AND ANALYSIS OF ELECTRONIC MONITORING SYSTEM COMPONENTS

Ferhat Elci<sup>a\*</sup>, Emrah Dokur<sup>a</sup>, Mehmet Kurban<sup>a</sup>

<sup>a</sup>Bilecik S.E.University

\*felci@sensormatic.com.tr

### Abstract:

Electronic monitoring system, that enable suspects and defendants to be monitored in the community through electronic communication method, is a technology that is used in execution of the penalties mostly in the developed countries. This system provides freedom from supervision when a sentence is carried out within the community. The use and importance of this technology in Turkey, as a developing country, increases day by day. In this paper, electronic monitoring applications both in Turkey and in the world have been analyzed in consideration of freedom from supervision. Descriptions of technologies used in electronic monitoring systems are presented and classified according to system components. Field monitoring, location monitoring and alcohol monitoring systems are described along with the electronic components used in these. The economic cost analysis of electronic monitoring systems is presented in detail. In addition, the topological structure of the electronic monitoring system used in Turkey is explained in details.

**Keywords:** Electronic Monitoring, Probation, Electronic Braclet, RF Monitoring, GPS Tracking, Alcohol Monitoring.

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