

**PC BASED CALL & ALARM DISPLAY**

**SYSTEM-SOFTWARE DEVELOPMENT**

by

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**Project Report**

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## SUMMARY

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**PROJECT TITLE...:> PC Based Call & Alarm**  
**Display System-Software**  
**Development**

This project deals with the Software Development of a program, written in **PASCAL** computer language programming, in order to give information about Emergency Calls and Alarms of the SOS Highway Emergency System. These information should be based on data collected serially on an IBM PC from an SOS Emergency Call and Alarm monitoring system via an RS232 cable. This monitoring system is design, constructed and tested by my friend and fellow-student Phanos Loumbas.

In the Nicosia-Limassol Highway, as well as in Larnaca-Nicosia Highway, every 1 mile there are two Telephones ( one on the right side of the Highway and the other on the left side), called SOS Emergency Call Systems and are used only to provide quick help in the case of accidents or other extreme situations, such as for calling the Police, Hospital or the Fire Department of Nicosia. This system is controlled only by Likavitos Police Headquarters in Nicosia and they use an old type consolla in order to receive the call and a really long map in order to track down the callers.

This project, in combination with the SOS Emergency Call and Alarm monitoring system, are the solutions to the above problem. Through an RS232 cable, which is used for serial communication, data is being received from the monitoring system (about the status of Emergency Calls) and insered into a computer file. So by looking into these data, on a colour

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