



"Embedding thoughts into Technology"

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## AT Card Vehicle Tracker

Client:

Technology solution provider for Transport industry.

### **Requirement:**

To develop micro-controller based AT card system to send SMS to TCC (Transport Control Center) when the vehicle containing goods crosses base station. Microcontroller based AT card system will be fitted on to the vehicle, which is being tracked. AT card will communicate with nearest base station for getting the base station data. Whenever the Base station changes the data will also changed, this data will be send to TCC center through an SMS for further evaluation.

### **Solution:**

The development includes interfacing GSM module to microcontroller 8051 core, getting the data from base station & sending the data via SMS to remote location (TCC - transport control center). Team has also designed and developed the PC based application to configure the various device parameters.

### **Tools/Platforms:**

- » Board: ETM110 development board (proprietary)
- » Microcontroller: Philips 89C51RD2
- » GSM Module: Siemens TC35i
- » Firmware language - C
- » Microsoft VC++ (PC based device)
- » Configuration software