

Title of Article : *Design of a GSM phone booth for low cost rural Communication*

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Abstract: The GSM phone booth was designed as a mobile phone with solar arrays on the roof. These arrays are for charging the phone batteries and powering the booth during the day while the batteries which can be bigger, powers the phone at night or in the absence of sunlight. The cell phone platform was integrated into the booth such that when a SIM card is inserted it can be used as if it were a personal phone. The SIM card holder was designed in such a way that the user carries it along to the phone booth and slots it into the provided slot on the booth before making a call. It was also designed to switch on or off the phone booth such that when the card is removed the booth is switched off while the battery continues to charge. This is another means by which the battery life is extended. The design provides a low cost approach for extending mobile communication to rural areas and also for campuses and public areas..