



# KLOUD-Guard

Telematics based security patrol monitoring system



# The Solution

A rugged handheld PC(s) loaded with KLOUD-Guard application is provided to the security unit.

Smart checkpoints are located and geo-tagged at various patrol points as per the client requirements.

Patrol checkpoint locations are uploaded to the KLOUDIP platform with its identification labels and visit schedules are made to meet specific security requirements.

Security guards must make their visits precisely as per the schedule and the cloud servers are updated real-time based on activities performed.

Visit time and location are tracked via satellite for optimum accuracy with zero human intervention.

Preprogrammed or custom reports are generated to get current or historical data to monitor and manage security patrol status during the day, week or any given interval.



## Planning and setup

Security specialist plans where to locate the checkpoints and weather-proof, tamper-proof smart checkpoints are permanently installed on walls, floors, in closets, inside or outside of a facility, or adjacent to fire extinguishers to facilitate periodic extinguisher checks. Checkpoints are geo-tagged to ensure that they cannot be re-located without required administrative approval. KLOUD-Guard upload data to cloud platform and firmware is setup on Handheld PC with mobile device management software to provide only required limited access to security guard. Handheld PC device(s) can be centrally monitored/managed by the administration for usage, functionality and battery level leaving no tolerance for misuse.

KLOUD-Guard application is further customizable to get security updates like specifics doors are locked, lights-on during their patrol visits.







## Performing a tour

At the start of a shift or before beginning a patrol, security guard obtains authenticated access to the handheld PC to ensure that all subsequent tour activity is associated with the assigned guard. The guard is now ready to visit each of the location checkpoints in the route, touching reader to each button to confirm the visit. As the officer moves from checkpoint to checkpoint in precise route specified, touching each with the reader, the reader records the time, the location button ID and GPS the location.

## Recording Incidents and Observations

Incident buttons can be customized to client needs to provide additional information. Depending on the requirements and procedures set by the security specialist, the guard may read one or more incident buttons at a location to record security or safety conditions. The nature of incidents depends on the setting. In a corporate environment, incidents might include broken windows, lights out, running water, or fire extinguisher charge status etc. Incident buttons are preprogrammed, each corresponding to a specific event or observation. When a guard observes an incident for which there is a corresponding button, he simply press the relevant button to record the event(s) or call resources like more guards, ambulance, fire trucks to location.





## Data Transfer

Data is uploaded to the server real-time via GPRS using GSM cellular network. Therefore all information are available for retrieval/reporting instantly and there is no possibility to tamper with. Location based power failures or downtimes will not affect system as the communication happens directly via satellites and cellular network bypassing all internal wifi, power supply etc.

## Reporting

KLOUD-Guard mobile application is integrated with KLOUDIP FiOS to process the information uploaded and to produce a variety of reports. These typically include summary reports or detailed reports filtered by tour, by a specific location or set of locations, by guard or by date range. Reports show whether all locations were visited or routine checks were carried out as required. Reports, alerts to designated parties for pre-set conditions, accurate and real-time information will ensure an optimized security service.

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