ISSUES

“Private security guards who protect millions of lives and billions of dollars in real estate offer a false sense of security.” - Mimi Hall, USA Today

“Private Security Guards Operate with Little Supervision.” - T. Christian Miller, Los Angeles Times
PROBLEM STATEMENT

- Radio communication and punch cards does not provide a real time security guard tracking solution.
- Most of security guards are unlicensed, untrained and not subject to background checks.
- Paper trail that traditional employee management mechanism leave is unreliable.
SCOPE

- Web based Application
  - Enables Supervisors to track, monitor and manage their on field security guards in real-time at all times.
  - Enables on command center Security Guards to track on field security guards in real-time at all times.
  - Provide fast communication between a Command Center and on field Security Guards.

- Pager-like Device
  - Sends the device location periodically to a server.
  - Capable of receiving text message and send numeric code messages.

- System Limitations
  - SGMS does not intend to replace radio communication
  - SGMS is not intended for payroll purposes
OBJECTIVES

- Provide an initial prototype of both hardware and software components and all technical documentation related by March 26, 2008.
- Provide a complete prototype with all stipulated components and user manual of the system by May 2, 2008.
  - Not exceed $600 on the cost of hardware components for the prototype.
DELIVERABLES

2/13/08
• Project Proposal and Presentation I

3/26/08
• Progress Report and Presentation II

4/25/08
• Hardware Prototype

4/25/08
• Software Prototype

5/2/08
• User Manual

5/2/08
• Final Report

5/2/08
• Final Project Presentation
## Overall Cost

<table>
<thead>
<tr>
<th>Category</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Employment Cost</td>
<td>$66,582.34</td>
</tr>
<tr>
<td>Total Hardware Cost</td>
<td>$356.97</td>
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<tr>
<td>Total Software Cost</td>
<td>$297.00</td>
</tr>
<tr>
<td>Project Cost</td>
<td>$67,236.31</td>
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<tr>
<td>80% Overhead</td>
<td>$53,789.04</td>
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<tr>
<td>Total Project Cost</td>
<td>$121,025.35</td>
</tr>
</tbody>
</table>
**Risks and Contingency Plan**

- Conflict between team members
- Customer cannot attend meetings
- One or more of the team members leaves the group
- Computer crash
PROJECT IMPACTS

- Legal Considerations
  - Telecommunication Components have to be FCC compliant
  - Security Guard Privacy

- Environmental Issues
  - Restriction of Hazardous Substances Directive
    - The use of lead is poisonous in small amounts
    - Non biodegradable material
    - Expensive for deposition
CONCLUSION

- Provide help to security guard companies
  - Unify different security tasks
  - Improve security guards’ productivity
- The system will give confidence to people
  - People confidence is the key for security guard companies to succeed in their mission
  - It prevents security guards from committing fraud, and help them feel secure on field.