

# GNG 1103 Client Project Deliverable B

## Need Identification and Problem Statement

### Project Brief

Project: Unwanted Entry (UE) and Restriction Zones

Due Date: September 29, 2024

#### Priority

Critical

High

Med

Low

### Identification of Needs

#### Non-Functional

1. **Intuitive and easy to manage.** \*
2. **Installs easily and integrates with secure ecosystems.** \*
3. **Easy to store and save data for security purposes.** \*\*\*\*
4. **Adaptable for use within variety of industries of different sorts and scales.** \*\*\*
5. **Uses 4-6 API from Shabodi's dev Sandbox.** \*\*\*
6. **Multi-Language availability** (English, Spanish, French, German). \*

#### Functional

1. **Identifies** undesired person(s) location and equipment(s). \*\*
2. **Digitally maps and classifies** environments as zones. \*\*
3. Produces **direct alerts** upon UEs to admin. \*
4. Acts as **interface between multiple networks**, their security systems, and cloud. \*\*\*

#### Constraints:

1. Location uncertainty under **network strain.** \*\*
2. **Compliance with Canadian data privacy laws.** \*\*\*\*
3. **Hardware associated costs.** \*\*\*

#### Subgroups

\* User Experience

\*\*Security

\*\*\*Client Experience

\*\*\*\*Data Privacy & Protection

## Benchmarking Examples

### Cloud-based access control & security platforms

KISI – <https://getkisi.com>

- a. What: cloud-based access control & security platform
- b. Who: Wide range of applications (education, real estate, manufacturing, &c)
- c. How: Connected to network via Wi-Fi/ hardline and communicates via KISI hardware. Twelve different access methods (including phones), and web dashboards for admin control. Secured via SSO and 2FA.

Verdaka – <https://verdaka.com>

- a. What: cloud-based access control & security platform
- b. Who: Organizations, businesses, &c. (wide range of applications)
- c. How: Cloud based. Offers user friendly interface with filter search options. Ability to shut down access portals from dashboard.

Genetec – <https://genetec.com> (Similar to above)

## Problem Statement

**Private network users** need a way to **establish restriction zones** within a **cloud compatible security system**, that can **identify, halt, and directly alert** relevant parties of **unwanted entry events**.