

Officer Parking Enforcement System™

Statement of Work (SOW)



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**Statement of Work (SOW)
SenBos Integration MVP Pilot (Fixed-LPR)
City of Hallandale Beach**

Prepared by
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For City of Hallandale

Date: 2026/04/07

1. Introduction

This Statement of Work (SOW) describes the high-level deliverables and conditions for the SenBos Integration MVP (Minimum viable Product) Pilot for the City of Hallandale Beach.

This document defines the scope of work for the integration of SenSen (SenBos) with Gtechna's PlateSentry solution, including system configuration, data integration, and validation of enforcement workflows using fixed License Plate Recognition (LPR). The purpose of this SOW is to outline the software and services required to support the City's operational needs and evaluate the effectiveness of this integration.

Any changes to the scope defined in this Statement of Work will be managed through a formal change management process agreed upon by all parties.

2. Project Deployment Workflow

The Master Plan includes all tasks related to the implementation of the SenBos and PlateSentry integration MVP pilot. This pilot is designed to be delivered over a short timeline and will follow a series of high-level steps focused on validating the integration, system performance, and enforcement workflows. The project will be delivered in phases, depending on operational readiness and pilot requirements defined by the City of Hallandale Beach.

Here is a description of the main project steps in order of execution:

1. Planning and Alignment Phase

Gtechna will collaborate with the City and SenSen teams to confirm pilot objectives, locations, and operational requirements. This includes defining integration scope, parking rules, enforcement expectations, and success criteria for the MVP.

2. SOW Finalization

This Statement of Work (SOW) confirms the agreed scope, responsibilities, and deliverables for the MVP pilot. It ensures alignment between all parties and establishes a clear framework for execution.

3. Integration Setup

Gtechna will configure the integration between SenBos and PlateSentry, including API connectivity and data mapping. This step ensures that LPR events captured by SenSen hardware are transmitted and processed correctly within the PlateSentry system.

4. Environment Configuration

A dedicated PlateSentry test environment will be configured for the City of Hallandale Beach. This environment will be used to receive LPR events, apply enforcement logic, and validate system behavior during the pilot.

5. Hardware Installation

ISS and the City, in coordination with SenSen, will install and configure Edge hardware and cameras at designated entry and exit points. Connectivity to SenBos will be validated to ensure proper data transmission. ISS will be responsible for installing edge server at the defined location.

6. System Validation and Testing

End-to-end testing will be performed to validate LPR event capture and transmission, data ingestion into PlateSentry, entry and exit matching, and enforcement logic including paid sessions and grace period handling.

7. Enforcement Workflow Validation

The system will generate enforcement outcomes such as alerts and Ticket-by-Mail (TBM) candidates. Success criteria will be evaluated based on:

- Accuracy of event-to-vehicle/session matching
- Consistency of enforcement outcomes across different conditions
- Timeliness of event availability for review and enforcement
- Reliability of event transmission from AI-EDGE to the system
- Quality of images and evidence supporting enforcement decisions
- Stability of the workflow during continuous operation
- Alignment with existing review processes (e.g., Command Center)

8. Pilot Execution

The MVP pilot will run for a defined period (approximately 60 days), during which system performance, accuracy, and operational impact will be monitored.

9. Performance Evaluation

Gtechna, SenSen, and the city will evaluate the pilot based on plate recognition accuracy, event matching accuracy, system latency, and enforcement effectiveness.

10. Pilot Completion and Next Steps

At the conclusion of the pilot, a summary of findings and recommendations will be provided. Based on the results, the city may decide to proceed with further enhancements or a full production rollout.

11. Summary

SENSEN AI-Edge servers are high-performance edge computing devices designed to process License Plate Recognition (LPR) data directly at the camera level rather than relying solely on centralized cloud processing. By performing real-time AI analytics at the edge, these servers significantly reduce latency, improve capture accuracy, and enable faster, more reliable plate recognition. The AI-Edge servers enhance overall LPR performance by filtering false reads, improving vehicle detection in challenging lighting or weather conditions, and maintaining consistent performance during high-traffic periods. Additionally, edge-based processing reduces network bandwidth usage and minimizes system downtime, resulting in fewer orphaned plate reads on entry and exit and a more accurate, efficient, and resilient parking enforcement and access-control operation. The system also continues to operate if internet connectivity fails, with all data securely stored locally on the AI-Edge server until the connection is fully restored, ensuring no loss of critical LPR data.

Out Of Scope:

- Installation of AI-EDGE server units at each designated location

12. Cost Schedule

The following cost schedule outlines the estimated expenses associated with the AI-EDGE pilot over a three-year period. It includes annual subscription fees and one-time professional services required for implementation and configuration. Subscription costs reflect ongoing access to the platform, system updates, and support, with a projected increase over time. Professional services are applied in the first year to cover initial setup, integration, and deployment activities. This structure ensures a predictable cost model while supporting long-term system performance and scalability.

Yearly cost breakdown	1st Year	2nd Year	3rd Year	Total
Subscriptions	\$ 18,450.00	\$ 21,012.50	\$ 21,537.83	\$ 61,000.33
Professional Services	\$ 11,749.00			\$ 11,749.00
Subtotal	\$ 30,199.00	\$ 21,012.50	\$ 21,537.83	\$ 72,749.33
Total including taxes	\$ 30,199.00	\$ 21,012.50	\$ 21,537.83	\$ 72,749.33

2. Project Authorization

In Witness Whereof, both the customer and the Contractor, having read this SOW in its entirety, do agree thereto in each and every particular.

City of Hallandale Beach

Gtechna USA LLC

Authorized Signature

Authorized Signature

NAME

NAME

The City

Project Manager Gtechna

Date

Date