



Joint Information System

1. SOLUTION OVERVIEW

The remote monitoring client which form one of the services supported by the Syntell JIS system has been specifically design to service the needs of fixed installation clients, example being shopping complexes and other areas where there are large volumes of vehicle movement. Using traditional policing techniques would be extremely difficult and result in the utilisation of resource that can be better utilized to fight more pressing crime related tasks.

The JIS monitoring client is a service that can be added to an existing infrastructure of monitoring cameras, as long as these cameras meet certain technical requirement.

The main element of the monitoring client is a specialised computing element that extracts number plate data from the video feeds, compares these reads with predefined records accessed either locally or via the Syntell JIS system.

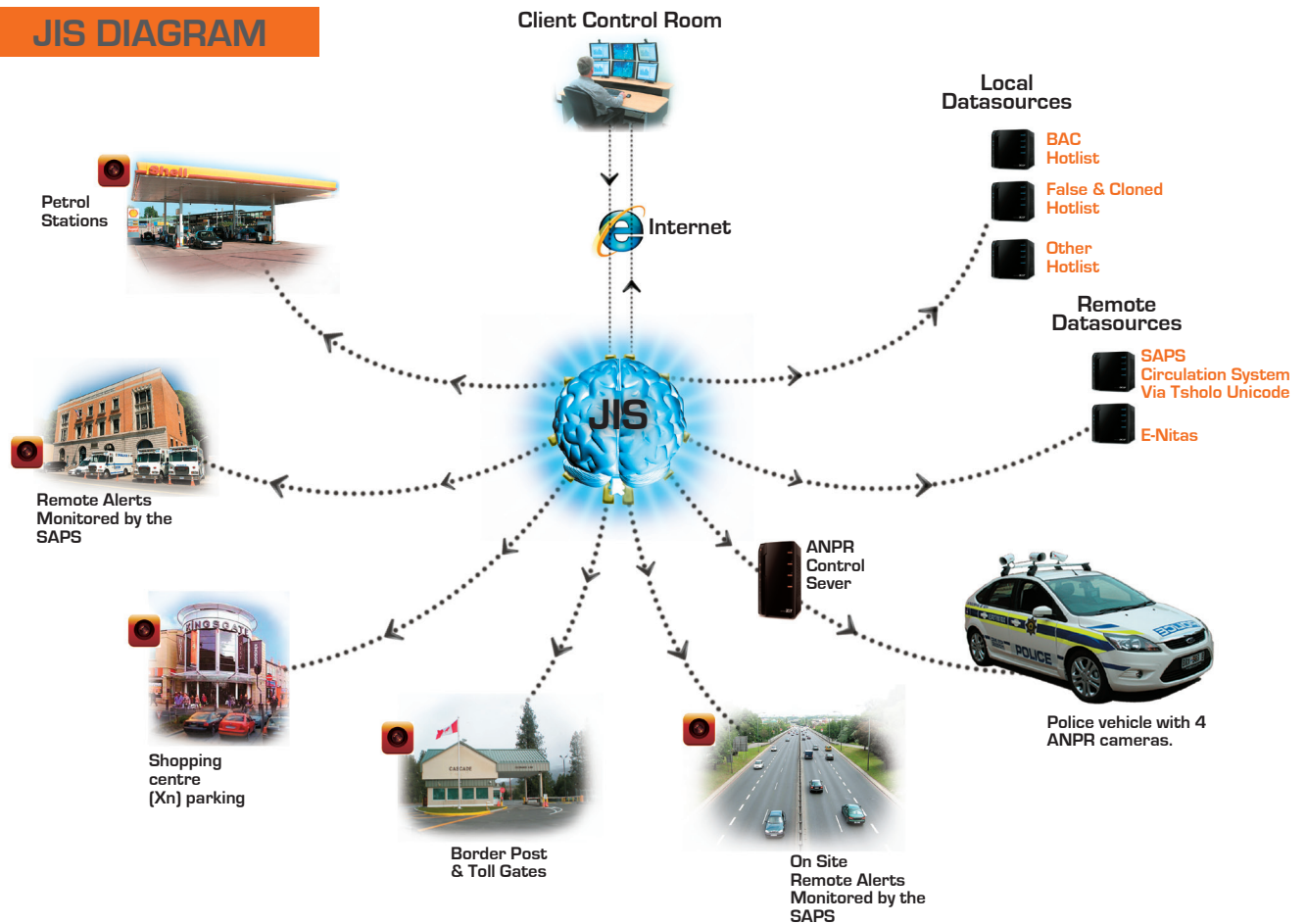
Alerts are generated by the system based on the detection of suspect vehicle, alerts together with management and performance reports being directed to predefined recipient, either by SMS and or email.

2. COMPONENTS

a. JIS(Joint Information System)

- i. The Syntell JIS system provides a central repository and management nerve centre for the interchange of violation and wanted data. The system manages information in real time, interacting with deployed equipment, both at mobile and fixed locations. The system is linked to National and regional databases to provide on line 24/7 data on the criteria to be associated to the managed data gathering systems. A key function of the JIS system is the support of ANPR systems, both fixed and mobile. Data relating to read number plates can be queried instantly, returning to the operators all data linked to the vehicle in question. Over and above data derived from National databases the system can be charged with immediate information on wanted vehicles that is generated and relayed to the system from au thorized sources using the SMS functionality.
- ii. The heart of the JIS system is a web of data servers that are managed to ensure data exchange occurs with the ab solute minimum of delay, this is critical especially when considering the use of mobile ANPR platforms that may be fitted with multiple camera system so that sweeps of areas such as townships, and large shopping complexes can be achieved.
- iii. The system can be scheduled to provide information reports to key management and law enforcement officials via Email.

JIS DIAGRAM



b. Control Room ANPR

c. Remote Monitoring Clients

3. CAPACITY

a. The Joint Information System is a fully scalable enterprise solution which has been designed to be a National information data source for ANPR Systems. We are currently processing 700,000 data queries per day. The current system has a capacity of processing 19 million transactions per day.

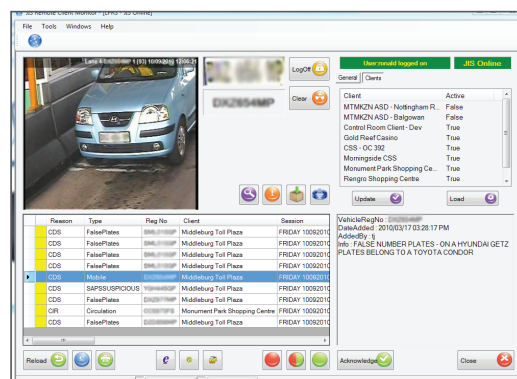
4. EXPERIENCE

a. Syntell has been providing software solutions that include full enterprise systems, thin and thick clients, Web and application based front ends as well as mobile solutions.

5. CLIENTS

a. Some of our clients include:

- Gold Reef City
- SPAR
- Menlyn Shopping Centre
- Coin Security
- Tracker



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