



Queue Management Special

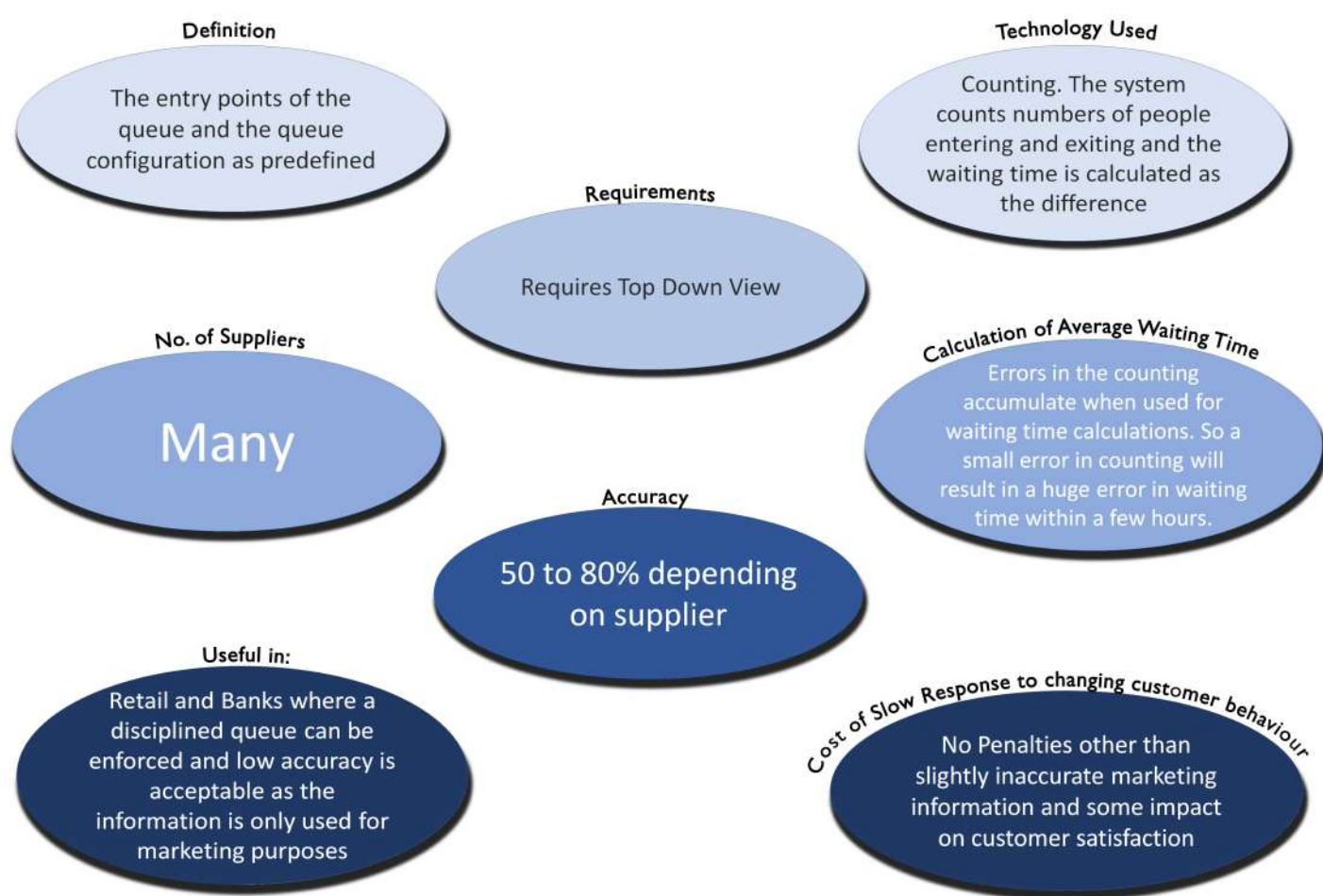
There are many technologies available for Queue Management and the method deployed should depend on the user's specific requirements.

The video shows a patented Dwell Time capability that can be very useful in managing queues.

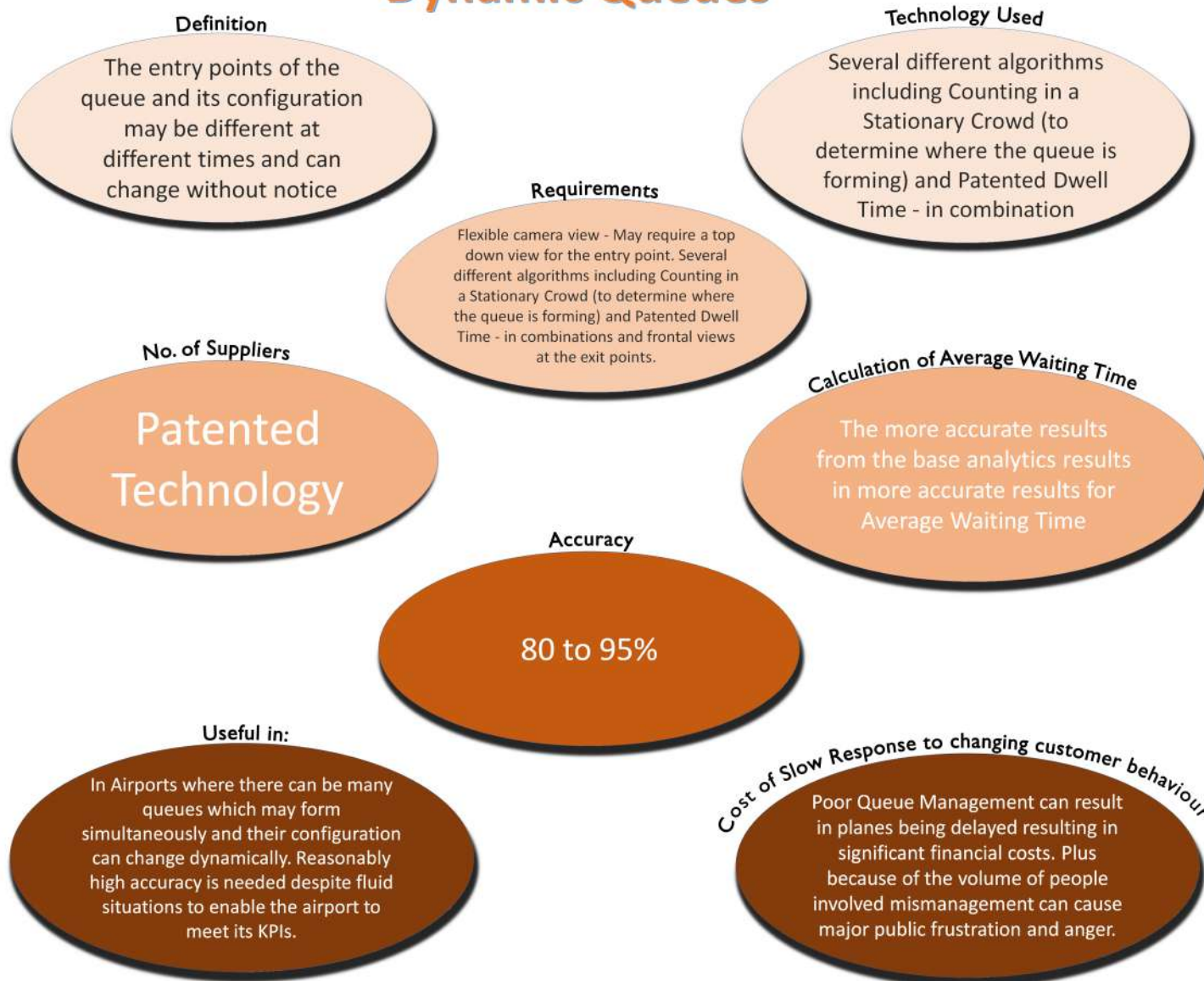
- **Business Analytics** --- Click [here](#) for video.

Below you can see the differences between the two main types of Queue Management and where each should be used.

Static Queues



Dynamic Queues



How do airports use Dynamic Queues

Static queues are only useful in places like the branch of a bank where the environment is stable and it is feasible to establish a disciplined queue.

Please click [here](#) for Simple Queue Management for simple situation video.

In many airport environments this may not be possible. Different airlines might open up different counters at varying times. People may join queues or change queues depending on what they perceive may be a faster moving queue. Sometimes a large group may turn up and spontaneously form a queue in an unexpected area.

Despite this the airport authority needs to understand how long it takes for a person to be serviced in the queue.

The traditional counting technologies are not sophisticated enough to analyse anything other than static queues. iOmniscient however, has evolved a number of advanced technologies which in combination can achieve the required results.

For instance, the camera can use a heat map to understand where new queues are forming and which ones are moving fast as shown here:

- Click [here](#) for video.

Next having understood where the queue is forming the system can understand where different people are at any given time whether it meets the required service level or whether more check-in counters should be opened as shown here:

- Click [here](#) for video.

Finally as shown in the Business Analytics video at the start of this newsletter one can determine how long people go from Point A to Point B and how long they stay at each point. This provides the time required to service individuals.

The cameras are the eyes and one requires the right cameras placed correctly to achieve accurate results. Do not expect general purpose cameras placed for general surveillance to provide the type of advanced information that an airport would require to manage its queues. Note however, that cameras required for intelligent analytics are usually less expensive than those often used for general surveillance.

No human can watch thousands of cameras and make any sense of them – hence the need for intelligent systems. If you have the right cameras in the right place and the right software to analyse the video feed, the efficiency gains for an airport can be large and quantifiable.