

It's all about making informed decisions.

TechCQ solution is currently on trial and is deployed at taxi stands at

- IMM
- JCube
- Westgate

Trial Period

Trial is on continuous system improvements from Mar to Sep 2015.

It would be reviewed for full service at the end of the trial. If backed by popular demands, we plan to extend to other areas, not just other taxi stands but also in other queue management systems eg. banks, retail, hospital etc.

Operational Hours

9am to 12 midnight daily.



Jointly developed by:



Panasonic

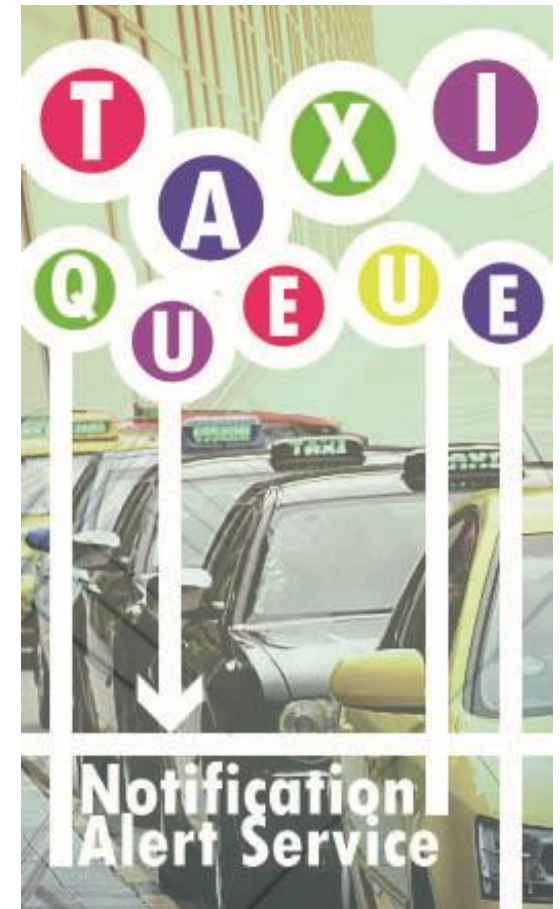


Contact Us

Interested to learn more about our solution? Visit us at www.techcq.net or email us at TechCQ_info@rfnetech.com

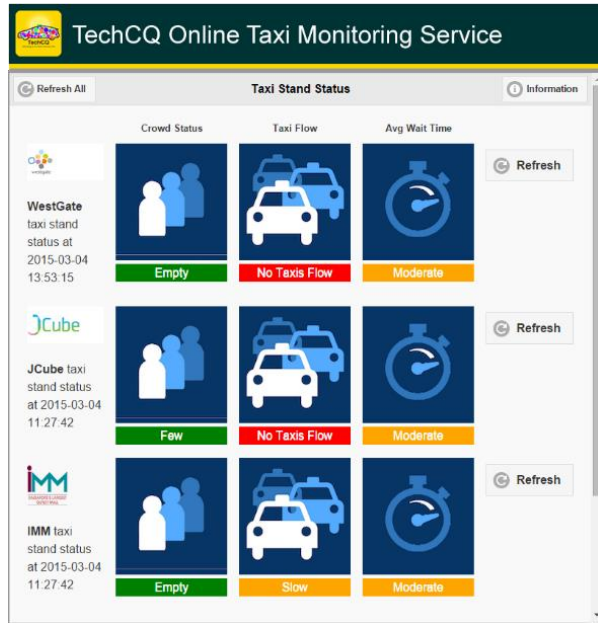
Technology to Cut Down Queuing Time

Helps you make informed decisions.



Where to Access TechCQ?

Visit www.techcq.net on your smart phones to see real time passenger queue status.



People Count

- **Empty:** No one at the taxi stand
- **Few:** < 30%
- **Many:** 30-100%
- **Crowded:** >100%
(% of taxi stand capacity)



Taxi Flow Count

- **No Flow:** No taxi moving.
- **Slow:** Few taxis moving off.
- **Fast:** Many taxis moving off.
- **Continuous:** Constant flow of taxis.
(Status can be affected by other kinds of vehicle like passenger car or bus going into the taxi stand)



Estimated Waiting Time

- **Very Short:** < 3 min
- **Short:** < 5 min
- **Moderate:** < 10 min
- **Long:** >10 min
(This is an estimation based on the data collected for the past 10 min. It may not reflect actual waiting time in real-time.)

Imagine how it could improve your livelihood as taxi drivers if you can.....

- Check the crowdedness of taxi stands in the vicinity when idling
- Receive a notification alert to inform you the location where taxi is needed
- Response and head to a more crowded taxi stand with slow flow of taxi
- Make informed decisions

Reduce Idling Time. Increase Profits.

"I used to drive around idling to see if I can pick up a passenger. It can be quite a waste of petrol and time. Now, I can leverage on this extra information and notification alert feature & decide if I want to head to the taxi stand with a more crowded queue. This way, I spend lesser idling time and I have more chance of picking up a passenger" – **Smart Taxi Driver**

The Gaps Today

We are aware of estimated waiting time for trains. We are aware of estimated bus arrival time.

However, we do not know the estimated waiting time for taxis. We do not know where the taxis are. Neither do the taxis know where the passengers are.

We often see the following:

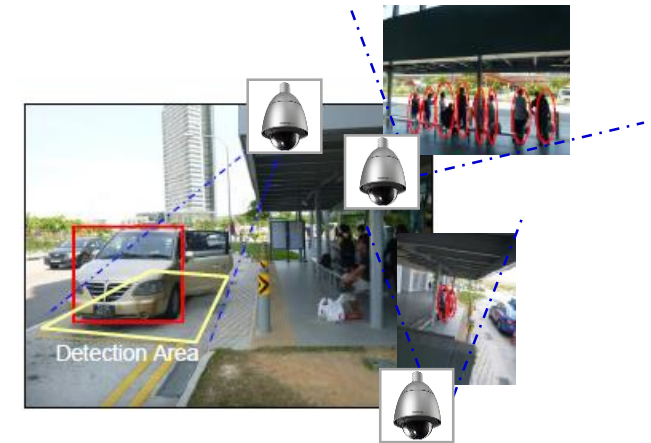
- Long taxi queue and long waiting time at certain taxi stands
- Long stretch of taxis waiting but not many people queuing for taxi
- Long taxi drivers idling time

Clearly the supply of taxis can better meet the demand with better information available.

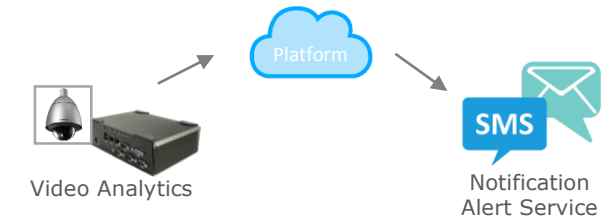
How TechCQ does it

We know you could go on for hours to get a taxi or a passenger. With a smart queue monitoring system and advanced video sensing, life can be so much better. This is how we do it.

Monitor. Depending on the angle and position, smart cameras with video analytics and monitoring capabilities are installed at each taxi stand, 2 to count people and 1 to count taxi flow.



Analyze. The people count and taxi flow count are analyzed at the edge before being sent back to the backend.



Respond. When the people count or the waiting time exceeds a threshold, a notification alert will be sent to the taxi operators via email. Taxi operators can broadcast to their taxi drivers immediately or choose to verify the demand through a login on TechCQ server to see the low-res video before broadcasting.