

Case Studies: Haivan Tunnel, Vietnam



Key to a Safe and Secure Tunnel Operation

Providing efficient radio coverage inside a highway tunnel is very crucial for the incidents monitoring and emergency response purpose. It is one of the big challenges faced by our client, which happens to be the longest tunnel in South East Asia.

Understanding our client needs of reliable technology to keep their tunnel highway users safe, maintaining smooth traffics and ensuring fast emergency response, we provided them with our proven solution of **CCTV integrated Public Address (PA), UHF, FM Re-broadcasting and Break-in System**.

“ How Do We Help Them? ”

”

CCTV Integrated with Public Address (PA), UHF, FM Re-broadcasting and Break-in System

- CCTV integrated with video analytics for real-time monitoring.
- Instant notification to the operator when incidents happen.
- Enable pre-recorded audio or live announcement to the PA speakers.
- UHF Leaky Feeder System ensures high quality and uninterrupted communication between operators in CCR and on-site security officers.
- FM Re-broadcasting System extend its coverage through the same UHF Leaky Feeder System.
- Break-in System can activate pre-recorded audio or do live announcement to the FM channels and PA speakers simultaneously.
- Intelligent Transportation System (ITS) can control Break-in System remotely to activate pre-recorded audio announcement to the FM channels and PA speakers simultaneously.

“How it works during an alarm event?”



Operator at CCR receives the alarm from alarm system.



Operator monitor the real-time incident from the CCTV System and identify its location.



Operator make live emergency announcement or play the recorded audio through PA system.



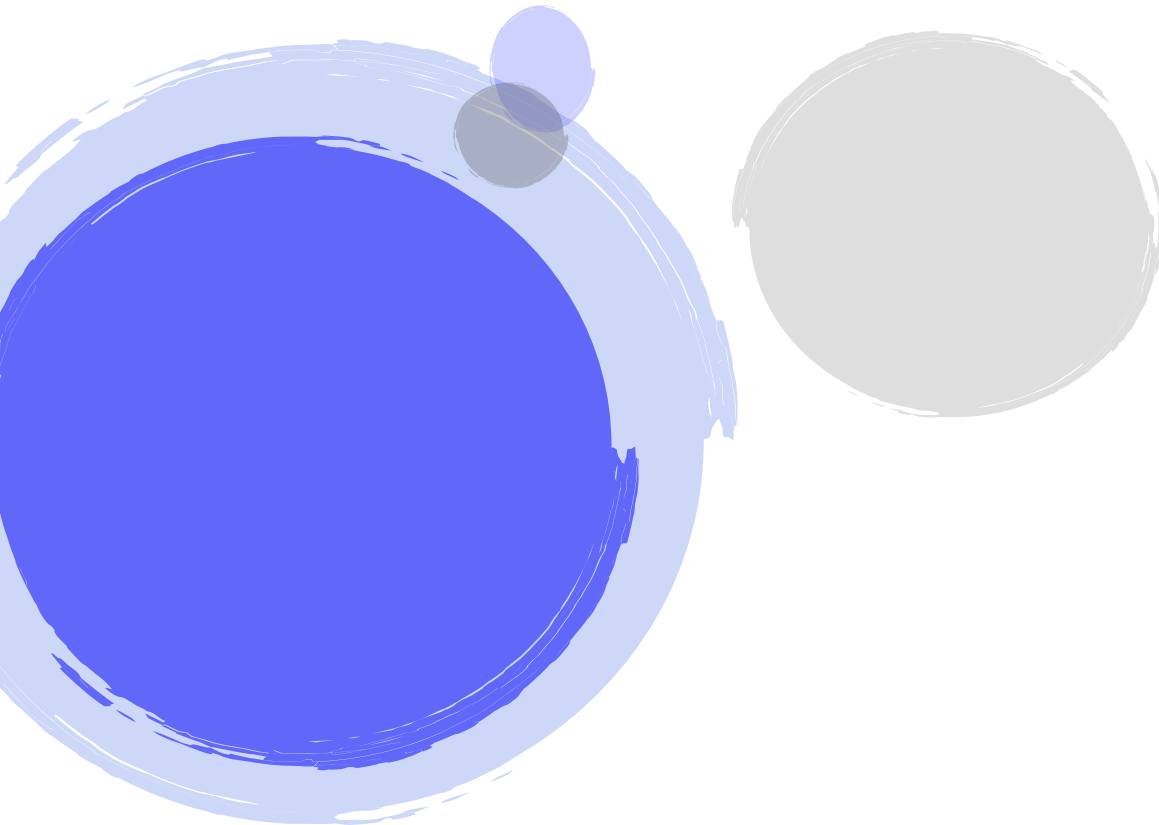
Operator make a live emergency announcement or re-broadcast pre-recorded emergency announcement to the FM System through the Break-in function.



On-duty officers will be notified about the incident through UHF System (walkie talkie). The communication will keep on until the traffic in the tunnel is clear.



All FM frequency channel transmitted to the Car's FM Radio inside the tunnel will be temporary shut down and be override by emergency messages



Ventionex



Singapore (HQ)



55 Toh Guan Road East, #06-01 Uni-Tech Centre, Singapore, 608601



+65 6680 9321



Malaysia



No 2, Jalan Laman Setia 7/6, Setia Business Park 81550 Gelang Patah, Johor, Malaysia



+607 5950 387



UAE



CPM-01B4-MF-M015, Cubes Park B4, Musaffah M25, Abu Dhabi, United Arab Emirates.



+97 1566112980



Vietnam



8bis Hoang Hoa Tham Street, Ward 7, Binh Thanh District, Ho Chi Minh City, Vietnam.



+ 84 9838 313 68



enquiry@ventionex.com



<https://www.ventionex.com>



Ventionex



YouTube



LinkedIn