Thailand True Digital

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At the peak of the Covid-19 pandemic in Thailand, epidemic clusters became a major challenge for disease control and placed significant pressure on hospitals. Preventing further spread required the rapid involvement of multiple stakeholders and the ability to share information in real time.

True Digital needed situational awareness tools, such as population density maps, to detect emerging clusters, monitor large gatherings, and support fast, coordinated decision-making by public authorities. To be effective, the solution had to rely on low-latency, real-time data showing how anonymous

mobile phones were moving across the country. By identifying hubs of increasing population density and tracking mass population flows, authorities could anticipate risks, protect themselves, and reduce the need for large-scale testing through proactive intervention.
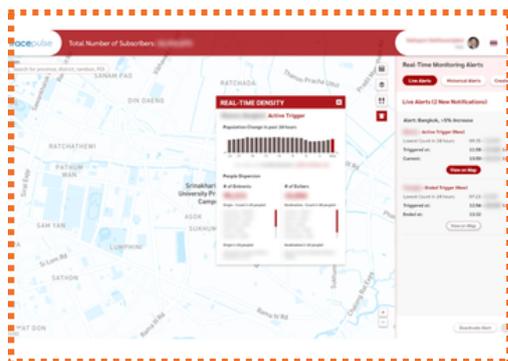
THE SOLUTION

Live situational awareness
Intersec's platform enabled the real-time collection and aggregation of anonymous mobile location data across the Thai territory. This capability provided True Digital with a continuous and reliable view of population movements, allowing authorities to monitor density variations and detect emerging clusters immediately.

Fast data processing at scale
The Analytics team processed up to 500,000 anonymous location events per second across more than 30 million mobile devices. Density indicators were refreshed every two minutes, enabling rapid analysis of large-scale population movements and supporting timely, data-driven operational response.

Predictive intelligence
Through interactive dashboards and heatmap visualisations, authorities could assess crowd size, movement trends, and risk levels from national to local scale. These insights enabled scenario prediction, informed resource allocation, and proactive decisions to anticipate and limit the spread of the virus.

HIGHLIGHT

As Pedro Uria Recio, Chief Analytics & AI Officer at True Digital, explained, the solution enabled authorities to act with speed and precision. "As a result of our use of the Intersec platform, we have been able to provide the Asia-Pacific authorities with precise location data that saves lives and prevents the spread of the pandemic." By delivering real-time insights on population movements, it supported faster decisions and more effective crisis response.

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