

SERIOUS & ORGANISED CRIME ANALYTICS CASE STUDY: HOMICIDE INVESTIGATION

BREAKING THE DATA BACKLOG & SURFACING NEW LEADS

STREAMLINING A LONG RUNNING HOMICIDE INVESTIGATION.

Wynyard's serious and organised crime analytics solution was used by one of the world's largest national police forces in a high profile, ongoing homicide investigation. For any police agency homicide is a high priority event where significant resources are engaged to bring rapid closure to the case.

In this case, there was no information to establish why the victim had been killed. There were no witnesses, and few leads. As time progressed, the significant volume of both structured and unstructured data being collected and generated led to a large backlog of unprocessed documents containing valuable evidence and intelligence.

Following several months of intense police investigation, with little progress and few leads, the decision was made to use Wynyard's serious and organised crime analytics to help police analysts and investigators manage the growing volume of data and evidence. Once the decision was made, the solution was quickly installed.

Police determined the first priority was to upload the critical data generated in the first key months of the investigation and to displace the disparate systems they had previously been using to manage the case, such as individually authored and manually updated spreadsheets. Over 2,500 documents, more than 40,000 text messages and 4,200 phone calls were uploaded in 25 minutes, clearing the two month data backlog and freeing up more than 20% of the resources working the case from processing data to investigating leads.

Using the solution, analysts were able to extract meaningful information from the significant volume of data: through the extraction of entities, visualisation of connections, and identification of

patterns. This intelligence included key dates, email addresses, locations, organisations, people, phone numbers and any instances where weapons, drugs or other key words important to the investigation were mentioned. These key pieces of information provided investigators with new leads, enabling them to explore potential relationships and verify inferred connections.

During the course of the investigation, analysts, investigators and crime specialists were brought in from not only the local region but also from throughout the country. By having all the case data centralised, up to date and available in an integrated solution, these specialists were able to focus on the investigation. Wynyard's integrated software solutions helped the police increase their effectiveness in this difficult case.

- The software was easily and rapidly deployed and phased in to the investigation when required by police
- Uploading the masses of structured and unstructured data collected during the case was extremely fast

- Wynyard's intuitive and easy to use software meant that training key staff was quick and efficient, without downtime
- Critical police resource was released from administration and able to join the front line investigation
- Entities were automatically extracted from the data and links and patterns between entities were automatically identified and displayed visually

The ongoing nature of the investigation includes extensive canvassing of businesses and private addresses. The additional reports this canvassing generates continue to expand the volume of data and information on the case, all of which must be entered and analysed rapidly. In addition, phone and other records continue to be monitored and uploaded at regular intervals, enabling the police to progressively enhance their intelligence pool and identify any new persons and events of interest.

HOMICIDE INVESTIGATION:

- High profile homicide with few leads
- Four months of data with more than half not processed or accessible
- 20-30% of resources were allocated to date collection and processing rather than the investigation

WYNYARD'S SERIOUS & ORGANISED CRIME ANALYTICS HELPED HOMICIDE INVESTIGATORS:

- Rapidly collect and automatically process all data within 25 minutes
- Surface connections, relationships and new leads
- Discover unrelated criminal activity
- Connect the case to central intelligence holdings
- Increase front line investigation resources by 10-20%

*User Interface:
Wynyard's serious and organised crime analytics solution*

ABOUT WYNYARD GROUP

Wynyard Group is a market leader in critical threat assessment and advanced crime analytics software for government, financial services and critical national infrastructure. Wynyard's powerful software helps assess threats, surface hidden relationships, give new meaning to events and identify people of interest.

Wynyard has more than 400 customers worldwide including Fortune 500 companies and leading government security agencies. The company has offices in the United Kingdom, United States, Canada, United Arab Emirates, Australia and New Zealand.

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