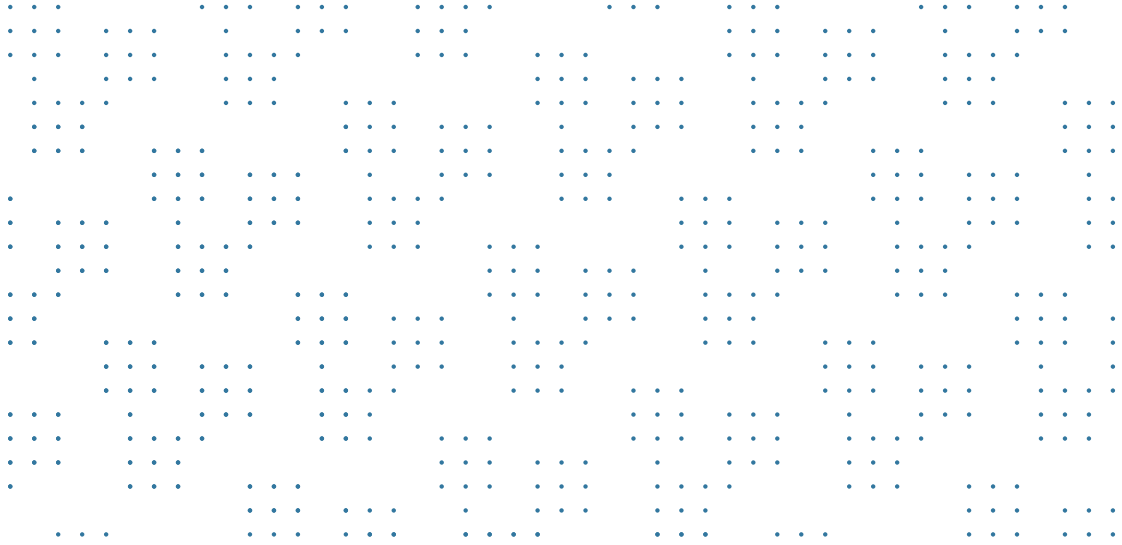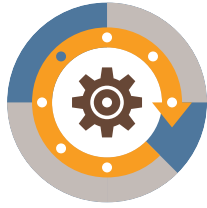# Genetec Valcri™

Intelligence and investigative analysis system

Genetec™ Valcri™ is a cloud-based intelligence and investigative analysis system. It collects data from a variety of sources to make sense of incomplete information, generate new insights, and build and test hypotheses to help you understand, investigate, and deter crimes.
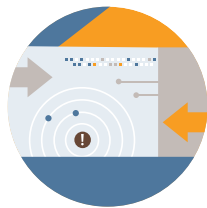
Key benefits

Automate analytical processes

Manually cross-referencing multiple databases is both difficult and time-consuming. With a built-in correlation engine and real-time semantic search, Valcri locates and combines pertinent information to yield insights.

Gain greater oversight

With vast amounts of data comes the challenge of being able to process and understand it all. Valcri intuitively and visually presents information so that you can obtain a broader understanding of crime trends.

Strengthen conclusions

Increasing demands for infallible evidence make case building a challenge for law enforcement agencies. Valcri facilitates that process by including all the information you need, from start to finish, to support your case.
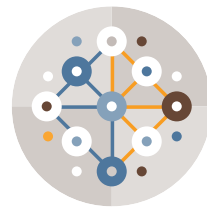
Comply with regulators

Government law-makers are continuously implementing and updating policies related to data access for security and privacy. Valcri evolves to comply with legal and ethical requirements.

Work more efficiently

Establishing multiple hypotheses can be a challenge. With the interactive visualization UI, you can easily cross-reference data and build narratives to test, modify, discard, or follow.
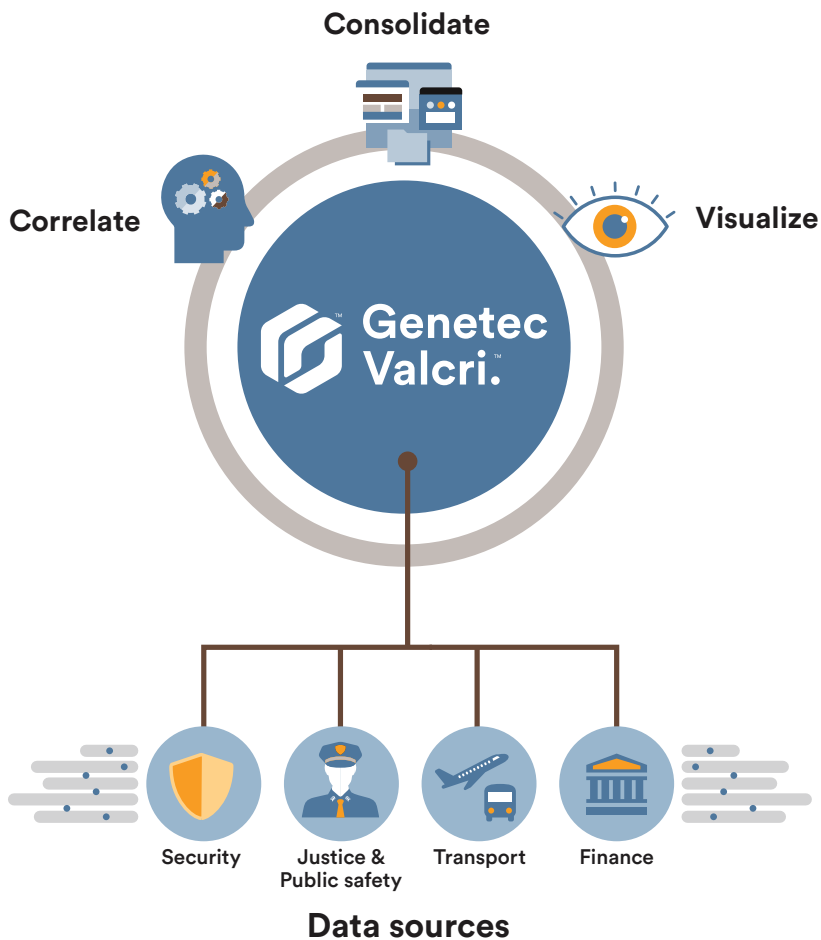
Investigate every angle

Many possible angles are left unexplored due to lack of resources and time. Using advanced data analysis and visualized reasoning, Valcri helps find latent leads, providing new perspectives for your operations.

Make sense of your data

Law enforcement agencies are faced with vast amounts of complex data and data sources, evolving requirements for data access and privacy, and increasing responsibilities among their officers and analysts. In response to these challenges, law enforcement agencies are seeking new ways to adapt their workflows for more efficiency and resilience.

Understanding and dealing with crime efficiently requires the ability to make use of a vast array of available resources. In many cases, law enforcement agencies are left with disorganized, fragmented data sets and overburdened teams, affecting their overall ability to solve and deter criminal activity.

Valcri helps manage your crime analytic workflows by supporting evidence gathering and uncovering hidden patterns. It can access data from multiple sources and formats in minutes, dramatically cutting down on the time-consuming process of manually organizing and analyzing data. Using its interactive visualization interface, users can reconstruct situations, generate insights and reports, and discover new leads, empowering you to make use of valuable insights to derive and support crucial decisions.

Consolidate

Correlate

Visualize

Genetec Valcri.

Security   Justice & Public safety   Transport   Finance

Data sources

Bridging intuition and data
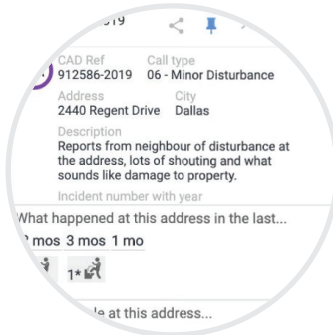
Thinking landscape (x-y hardware display)

Card compare
Show similarities between crime cards from different data sources by selecting them simultaneously.

Mobile interaction
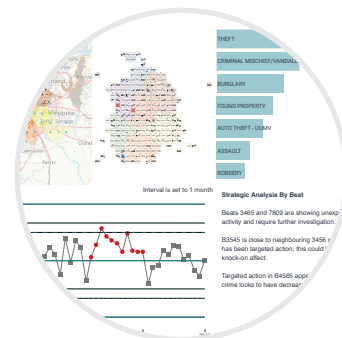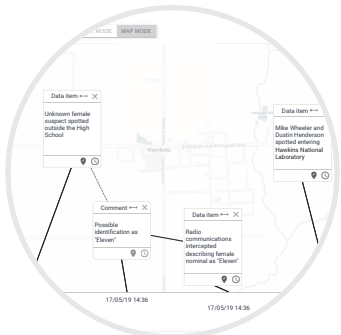Send out insights to officers in the field to support them as they actively work cases and investigations.
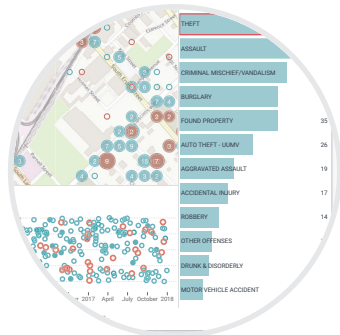
Reporting
Use crime analysis tools, including statistical process control charts and maps for briefing, or as dashboards.
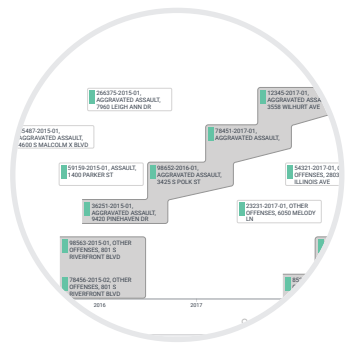
Virtual storyboards

Organize relevant crime and case information to create storyboards showing how a conclusion was reached.

Overview

Use both reasoning and suppositions to create hypotheses that can be tested against data or used to create a new line of inquiry.

Patterns of life

Find patterns and identify anomalies from data gathered by sensors spread throughout your city.

Key features

Criminal analysis

Because Valcri uses historic crime data with statistical process control charting and mapping techniques, users can quickly assess crime levels and gain deeper insight into the underlying causes of crime.

Combine data from multiple sources

Working with multiple databases, Valcri combines all data and relates it to other incidents. The information about involved suspects, victims, and witnesses are then displayed together with links to more detailed information.

Smarter analysis

When working with a crime report, Valcri searches for similar reports in the system and discovers associations with other events, reports, and persons who have been active in the immediate vicinity.

Reasoning workspace

Designed to facilitate fluid movement between data analysis, problem formulation, and hypotheses testing, the user interface helps analysts and investigators draw on expertise while also employing rigorous scientific testing methods.

Physical interaction

The user interface (UI) makes it easy to arrange and rearrange data. By touching and moving pieces of data around like tiles in a board game, analysts and investigators can create sequences that tell a story or highlight missing information.

Creative investigative storyboards

Data and evidence can be organized sequentially in Valcri. Analysts and investigators can create storyboards for cases by placing facts, suppositions, and hypotheses on the canvas to help explain how a crime occurred.

Conclusion pathways

Valcri keeps track of the decisions made during an investigation. By displaying the steps taken to arrive at a conclusion, analysts and investigators can clearly show how Valcri assisted in the thinking and reasoning process.

Create active reports

Daily briefing can include the most up-to-the-minute information because Valcri can create reports that include live data. The system also automatically repeats workflows, which means that active reports generated today can be reused tomorrow.

Share with mobile users

Valcri makes it easy to share intelligence reports, including information about persons of interest or similar crimes that have occurred in the area, even before police officers arrive at the scene.

Alerts

Valcri allows analysts and investigators to set up 'watch lists' and post requests for information about people, objects, and activities of interest. The system will then issue an alert if any relevant information becomes available.

Privacy and security

The distributed processing architecture protects data from theft and corruption. Designed to meet high-level privacy and security requirements, Valcri accommodates high-speed and high-volume data from a variety of sources.

Comprehensive features overview

Search

Quickly search for data across multiple datasets

Generate leads, suspects lists, stolen properties, and associated activities

Prepare crime and criminal profiles

Assemble evidence and data to construct arguments for real-time support during investigations

Perform rapid in-situ 'select text' and 'query text' searching

Discover

Discover patterns and trends in behavior and modus operandi

Discover small but crucial differences within and between datasets

Find similar crime reports in the system

Create event and entity timelines to re-construct crime situations for investigations

Find new potential insights by interacting directly with visuals directly on the dashboard

Consolidate

Rapidly combine data from multiple datasets to give meaningful insights

Support storytelling with correlation engines and other computational capabilities

Enable the structuring of messy, ambiguous, and fragmentary data

Combine different analyses to yield deeper insights

Connect with the Citigraf correlation engine and seamlessly share information between platforms

Visualize

Use visualization to promote the asking of questions

Change how data is presented in associated bar charts and other linked views when the brushing or linking of data and analyses occurs across different applications

Interact in a fluid manner that does not disrupt the train of thought

Provide visuals for the analytical and decision-making processes that are used to arrive at a conclusion

Build easy-to-understand reports and briefs that span datasets for recommendations and crucial decisions

What sets Valcri apart?

Most systems in the intelligence-analysis space focus on crime analysis. Very few combine it with computer-supported storyboards that harness the power of analytics. Valcri provides your team with augmented human intelligence through a correlation engine that retrieves relevant data and discovers novel relationships.

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