



SOLUTION BRIEF

BUSINESS INTELLIGENCE FOR JUSTICE AND PUBLIC SAFETY

“Business Intelligence is right information to the right people at the right time to support better decision making and gain competitive advantages.

The information should also be in the right format which will facilitate the receiver of the information into making better business decisions.”

- Waite 2006

One of the U.S.’s largest police departments uses predictive analytics from Sierra to facilitate early intervention.

A province-wide court has improved operational efficiencies across the board with Sierra’s Court BI solution.

Your agency already collects large amounts of data within your various case, records or offender management systems. Obtaining easy, insightful access to that data is paramount to improving efficiency. You need to combine data from the multiple sources into an easily digestible output. Ultimately, you need that data to positively impact public safety in the communities you serve. Sierra’s Business Intelligence (BI) approach harnesses Justice and Public Safety (JPS) data to improve decision making, address threats, ensure effective data sharing, and provide enhanced predictive analytics. BI can answer the following questions:

- How can I use the data that I already have to make smarter sentencing decisions and reduce recidivism?
- Where should I deploy my law enforcement officers to make the most impact on public safety?
- How can I schedule cases to maximize the resources of my court?

CHALLENGE

The ability to share information is key to the effective use of data that is captured from many sources. Common issues in the JPS arena are:

- Federated query vs. Replicated data
 - Performance
 - Data ownership
 - Data currency
- A lack of trust between agencies
- Reluctance to allow others to report on my agency’s performance
- Reporting and analysis requires programming skills or manually intensive effort to produce
- Different systems produce different answers to the same questions

Our professionals

- NIEM certified justice developers
- Kimball certified data architects
- PMI certified project managers

Sierra Systems is committed to industry best practices following standard processes and methodologies including RUP, Agile, and Zachman.

Learn More

To learn more about how Sierra's Justice and Public Safety solutions can help you realize the benefits of business intelligence and useful data contact us:

contact@sierrasystems.com
1-877-688-1371
sierrasystems.com

- Reports take days to produce and special request reports can take weeks
- Inconsistent statistics are often reported to the media
- Duplicate offender or case information may exist in multiple data siloes and databases ultimately making it hard to connect the dots
- Too many repeat offenders
- Crime rates are too high

OUR SOLUTION

We have highly skilled BI and Data Warehouse (DW) professionals that specialize in the field of JPS. This combination of unique skill sets ensures that the solution Sierra provides addresses the challenges outlined. Sierra possesses a vast experience of handling data within the Justice arena. Examples of systems that Sierra JPS professionals have built and extended justice data to are:

- Officer early intervention systems
- Compstat systems for policing
- Implementation of court performance measures in a state wide system
- Offender Management Systems (OMS)
- Court case management systems
- Records Management Systems (RMS) and Computer Aided Dispatch (CAD)
- Emergency management systems
- Integrated justice and data exchange
- Enterprise Content Management (ECM)
- Business intelligence (BI) and predictive analytics

OUR SERVICES

Consulting

- BI maturity assessment
- BI roadmap
- BI pilot

Planning

- Business requirements gathering
- Toolset selection

Development

- Data warehouse development and Extraction Transformation and Load (ETL)
- BI report development
- Dashboard/Scorecard development
- Predictive analytics