Improving Public Safety, Operational Efficiency, and More With Business Intelligence, Data Integrity, and Integration
What Our Customers Say

“Information Builders’ WebFOCUS dashboards and predictive analytics software allow staff at every level of the police department to deal with facts in real time. We are better equipped to optimally assign officers to response areas with the highest likelihood of criminal activity.”

Chief Rodney Monroe

[Charlotte-Mecklenburg Police Department]

“Our officers are now empowered to make the most informed decisions possible as they address incidents in progress. The public is safer, our officers are safer, and crimes can be solved much faster because a wealth of insight is right at the officers’ fingertips.”

Captain Charles G. Dunn

[Houston Police Department]

“Instead of simply reacting to crimes that occur, now we will be able to rapidly detect patterns in criminal activity, so we can proactively prevent those trends from continuing. Information Builders is helping us to change our culture to one of integrated justice and information sharing.”

Major Michael Corwin

[Kansas City Police Department]

“Our goal was to simplify, standardize, and centralize all of our information. We needed one, single place to go for timely and complete criminal justice information. Information Builders helped us create that place.”

Sheriff David Clarke

[Milwaukee County Sheriff’s Office]
For law enforcement professionals, information is critical to fighting crime. Unfortunately, most law enforcement agencies are bogged down by data stored in multiple siloed systems that are difficult to integrate. These organizations are, in effect, data rich but information poor.

Law enforcement professionals require accurate, timely, and complete analysis of data from many sources – including criminal and crash histories, incident reports, and 911 calls.

Information Builders' Law Enforcement Analytics combines many technologies – including traditional business intelligence (BI) concepts such as dashboards and scorecards, powerful ad hoc and predictive and social media analytics, interactive mapping capabilities, data mining, and enterprise search. This gives law enforcement and public safety agencies the ability to access any data; turn it into valuable, real-time actionable information; and deliver it rapidly and securely to everyone who needs it within the organization, or to citizens and partner government agencies.

As a result, they can:
- Better manage operations
- Track key performance measures and crime reduction goals
- Improve budget control and reduce overtime costs
- Better deploy forces and manage assets and resources
- Improve officer and citizen safety
- Improve accountability and transparency
- Promote agency collaboration and information sharing
BI and Analytics for Law Enforcement

In this easy-to-interpret, single screen, KPIs meaningful to the agency’s operation are summarized and color-coded to indicate trends. Metrics range from crime enforcement statistics to financial performance to citizen outreach. Users can easily alter the timeframe measured, and drill into any of the metrics to get additional details.

The WebFOCUS BI and analytics platform from Information Builders provides an enterprise platform to support data-driven decision-making. Regardless of its source or location, users can securely access and analyze data in any format, on any device – quickly and easily. To improve operational efficiency, finances, and resource and asset utilization, law enforcement and public safety organizations use WebFOCUS for:

- Advanced analytics, data mining, and visualization that enable deep interaction with all your data
- Its comprehensive performance management framework, enabling close monitoring of goals and key performance metrics and automating CompStat information preparation
- Powerful predictive analytic capabilities to support predictive policing dashboards deployed to the squad car, along with Data-Driven Approaches to Crime and Traffic Safety (DDACTS) programs
- Interactive GIS Mapping to support fast, easy-to-use, and understandable maps with drill-downs for analyzing specific areas and locations
- Google-like Enterprise Search across all criminal justice systems to access information across disparate systems, including structured and unstructured data – without having to know where the data resides
- InfoApps™, highly interactive, purpose-built self-service BI apps that enable users to rapidly answer important questions or address critical issues
- Social media analytics, which offer a deeper understanding of potential threats; help identify associations; anticipate flash-mobs or demonstrations; and analyze public opinion, comments, and feedback
Data Integrity and Integration for Law Enforcement

This presentation enables Command Staff to review documented Use-of-Force events. The events are categorized as Level 1, 2, or 3 based on the potential to physically harm the subject. Other aspects pertinent to events, such as resolution, occurrence time, and citizen status, are summarized and available for interactive exploration by the user.

Information Builders’ powerful iWay data integration and iWay data integrity technologies adhere to GJXDM and NIEM standards and are at the heart of many Criminal Justice Information Systems (CJIS), including New York City’s – the world’s largest municipal criminal justice data sharing initiative. By integrating CAD, RMS, JMS, 911 and other sources, iWay Software solutions enable law enforcement and criminal justice organizations to leverage all their information assets – from homegrown and legacy systems to new integrated solutions.

iWay Software solutions include:

- A comprehensive integration framework that unifies all data – regardless of its source or location – for a comprehensive view of enterprise information
- Broad-reaching data quality management that proactively ensures that information is correct and complete at all times
- Powerful B2B automation solutions to eliminate error-prone manual activities, and make workflows more efficient and accurate
- Master data management that enables the creation of a single, 360-degree view of citizens, offenders, employees, incidents, and other key organization information
- Comprehensive data governance tools to help agencies retain full control over how their data is created, handled, stored, managed, and shared
Charlotte-Mecklenberg Police Department – With the help of WebFOCUS dashboards and predictive capabilities, the Charlotte-Mecklenberg Police Department has enabled all authorized users to easily run reports and relay real-time information across the organization. As a result, patrol officers have access to real-time data they can use in the field. Supervisors have a better sense of where crime is likely to occur. Command staff has strategic views to support their initiatives. This consistent interpretation of the consolidated data resources across the agency helps reduce operating costs, enhance efficiencies, and track the impact of crime reduction strategies.

Colorado Department of Corrections – Robust self-service applications from Information Builders have revolutionized the way this agency operates. With data from 22 state prisons, six private prisons, and information on 42,000 incidents per year, the department needed software tools that would give personnel insight into prison operations, with drill-downs into specifics. WebFOCUS provided it with a complete BI solution that could report data from multiple systems. Since the implementation, officers and personnel do not have to depend on IT professionals for filing and creating reports, and the time needed for data retrieval of records has been reduced from one week to 10 minutes.

Erlanger, KY Police Department – iWay Software has enabled this department to deploy a comprehensive application that brings together current crime data from 19 local law enforcement agencies. By indexing timely and complete information and making the results subject to the enterprise search capability, Information Builders’ tools help Erlanger’s patrol officers to develop more precise crime-solving strategies, more effectively respond to calls, and provide greater security to the town’s citizens.

Houston Police Department – A real-time crime center, fueled by robust integration and BI solutions from Information Builders, offers fast and efficient access to timely data. With databases containing details of crimes, victims, suspects, and more, the department was lacking a capability that the entire non-technical staff could leverage. Information Builders technology allows the agency to collect data and enables personnel in the real-time crime center to quickly respond to requests from officers and investigative personnel. Other dashboard presentations were made available to division analysts and command staff to consistently summarize operational facts.

Irving, TX Police Department – In the face of a shrinking tax base, the City of Irving, Texas was looking to reduce crime and expand services to maintain inhabitants and transform the city. The Irving Police Department’s current system provided dispatching and automated data-capture to compile data, but it needed a more intuitive way to aggregate all this information and distribute it to officers. In partnership with Information Builders, the department leveraged WebFOCUS to enhance its current reporting and archive databases, while building dashboards to graphically visualize data with mapping and drill-down features. As a result, officers and command staff have timely data that allows them to perform their police functions more efficiently.
Kansas City, Missouri Police Department – Integration and integrity solutions, combined with advanced business intelligence, help the Kansas City Police Department to improve crime prevention by bringing together disparate information from more than 27 diverse sources, and making it readily available to its Law Enforcement Resource Center (LERC). Complete, timely, and consistent information can be easily accessed through intuitive reports and dashboards, empowering users to uncover patterns and trends in crime activity so the department can take a proactive approach to law enforcement.

Milwaukee County Sheriff’s Office – This sheriff’s office was spending hundreds of hours every month collecting, sorting, and compiling data from disparate applications as part of its COMPSTAT reporting process. With Information Builders technologies, the Office deployed a solution where an agency-wide dashboard provides the sheriff, supervisors, officers, and the entire force with real-time data for fast, efficient, and precise decision-making. As a result, ROI was achieved in less than one year, productivity has increased, inmates are booked faster, and overtime has been reduced.

Michigan State Police – Intuitive dashboards emphasizing analytical and mapping capabilities provide simple, fast, and consolidated access to crime data across the agency. Michigan State Police uses Information Builders’ technology to consolidate data from multiple local agencies and to formalize its DDACTS initiative. WebFOCUS dashboards complement the department’s mobility, flexibility, and responsiveness by facilitating the management of operational progress and the monitoring of key metrics.

Pennsylvania State Police – Web-based business intelligence is now empowering this agency with ease, accuracy, and better allocation of information and resources. The new solution has provided the department with a first-of-its-kind Uniform Crime Reporting site. The site eliminates the need for the complex, manual reporting processes the agency dealt with when using its previous, error-prone system. The site improves data quality and integrity, while reducing costs and giving insight into strategic planning. This new system has cut out hundreds of hours of manual reporting, increasing efficiency and accuracy.

Volusia County – Software solutions from Information Builders serve as the backbone of Volusia County’s Criminal Justice Integrated Systems. iWay Software facilitates real-time data sharing and migration to new target sources through powerful integration. Meanwhile, WebFOCUS has been used to deploy a single, centralized dashboard for reports, queries, alerts, and report distribution. This intuitive self-service BI environment has simplified cross-agency reporting and support across multiple report formats. County workers are better informed and operate with more efficiency, while the county has gotten a boost, saving time, money, and resources.
Information Builders helps organizations transform data into business value. Our solutions for business intelligence (BI) and analytics, integration, and data integrity enable smarter decision-making, strengthen customer relationships, and drive growth. WebFOCUS, iWay, and Omni products work together to seamlessly cover all your information needs.

**Intelligence**
The WebFOCUS BI and analytics platform delivers rich, consumable, interactive information to the widest range of users.

**Integrity**
The iWay Data Quality Suite and Master Data Management Suite enable profiling, analysis, merging, managing, and cleansing of data from any source – structured or unstructured. Omni applications enable a single, complete strategic and operational view of key business services.

**Integration**
The iWay Integration Suite is the most flexible and agile integration foundation available, providing interoperability between disparate systems and data for faster time to market on IT and business initiatives.
Intelligence, integrity, and integration solutions help our customers seamlessly navigate the full spectrum of information management for sharper insights and fact-based decision-making.

To learn more about how intelligence, integrity, and integration can help your agency fight crime, visit our online Law Enforcement Analytics Resource Center at informationbuilders.com/solutions/gov-lea.
### Worldwide Offices

#### Corporate Headquarters
Two Penn Plaza  
New York, NY 10121-2898  
(212) 736-4433  
(800) 969-4636

#### United States
- **Atlanta, GA**  
  (770) 395-9913
- **Boston, MA**  
  (781) 224-7660
- **Channels**  
  (770) 677-9923
- **Chicago, IL**  
  (630) 971-2338
- **Cincinnati, OH**  
  (513) 891-2338
- **Dallas, TX**  
  (972) 398-4100
- **Denver, CO**  
  (303) 770-4440
- **Detroit, MI**  
  (248) 641-8820
- **Federal Systems, D.C.**  
  (703) 276-9006
- **Florham Park, NJ**  
  (973) 593-0022
- **Houston, TX**  
  (713) 952-4800
- **Los Angeles, CA**  
  (310) 615-0735
- **Minneapolis, MN**  
  (651) 602-9100
- **New York, NY**  
  (212) 736-4433
- **Philadelphia, PA**  
  (610) 940-0790
- **Pittsburgh, PA**  
  (412) 494-9699
- **San Jose, CA**  
  (408) 453-7600
- **Seattle, WA**  
  (206) 624-9055
- **St. Louis, MO**  
  (314) 615-0735
- **Tampa, FL**  
  (813) 639-4251
- **Washington, D.C.**  
  (703) 276-9006

#### International
- **Australia**  
  Melbourne 61-3-9631-7900  
  Sydney 61-2-8223-0600
- **Austria**  
  Raffiess Informatik Consulting GmbH  
  Wien 43-1-211-36-3344
- **Brazil**  
  São Paulo 55-11-3285-2716
- **Canada**  
  Calgary (403) 718-9828  
  Montreal* (514) 421-1555
  Ottawa (613) 364-2760
  Toronto* (416) 364-2760
  Vancouver (604) 688-2499
- **China**  
  Peacom, Inc.  
  Fuzhou 86-15-8800-93995
  SolventSOFT Technology (HK) Limited  
  Hong Kong 852-9802-4757
- **Estonia**  
  InfoBuild Estonia ÖÜ  
  Tallinn 372-618-1585
- **Finland**  
  InfoBuild Oy  
  Espoo 358-207-580-840
- **France**  
  Suresnes +33 (0)1-49-00-66-00
- **Germany**  
  Eschborn* 49-6196-775-76-0
- **Greece**  
  Applied Science Ltd.  
  Athens 30-210-699-8225
- **Guatemala**  
  IDS de Centroamerica  
  Guatemala City 502 (0)2-2412-4122
- **India**  
  InfoBuild India  
  Chennai 91-44-4217082
- **Indonesia**  
  SRL Software Products Ltd.  
  Petah-Tikva 972-3-9787273
- **Italy**  
  Agrate Brianza 39-039-59-66-200
- **Japan**  
  K.K. Ashisuto  
  Tokyo 81-3-5276-5863
- **Latvia**  
  InfoBuild Lithuania, UAB  
  Ventspils 370-5-268-3327
- **Lithuania**  
  InfoBuild Lithuania, UAB  
  Vilnius 370-5-268-3327
- **Mexico**  
  Mexico City 52-55-5062-0660
- **Spain**  
  Barcelona 34-93-452-63-85
  Bilbao 34-94-400-88-05
  Madrid* 34-91-710-22-75
- **Sweden**  
  InfoBuild AB  
  Stockholm 46-8-76-46-000
- **Switzerland**  
  Wallisellen 41-44-839-49-49
- **Taiwan**  
  Azion Corporation  
  Taipei 886-2-2356-3996
  Galaxy Software Services, Inc.  
  Taipei 886-2-2586-7890, ext. 114
- **United Kingdom**  
  Uxbridge Middlesex 44-20-7107-4000
- **Venezuela**  
  InfoServices Consulting  
  Caracas 58212-763-1653
- **West Africa**  
  InfoBuild FSA  
  Abidjan 225-01-17-61-15

#### Middle East
- **Bahrain**  
- **Kuwait**  
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- **Iraq**  
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- **Oman**  
- **Saudi Arabia**  
- **UAE**

#### Netherlands*
- **Amstelveen** 31 (0)20-4563333
- **Belgium**
- **Luxembourg**

#### Nigeria
- **InfoBuild Nigeria**
- **Garki-Abuja** 234-9-290-2621

#### Norway
- **InfoBuild Norge AS c/o Okonor**
- **Tynset** 358-0-207-580-840

#### Portugal
- **Lisboa** 351-217-217-400

#### Singapore
- **Automatic Identification Technology Ltd.**
- **Singapore** 65-69080191/92

#### South Africa
- **InfoBuild (Pty) Ltd.**
- **Johannesburg** 27-11-064-5688

#### South Korea
- **UVANSYS, Inc.**
- **Seoul** 82-2-832-0705

#### Southeast Asia
- **Singapore** 60-172980912
- **Bangladesh**  
- **Brunei**  
- **Burma**  
- **Cambodia**  
- **Indonesia**  
- **Malaysia**  
- **Papua New Guinea**  
- **Thailand**  
- **The Philippines**  
- **Vietnam**

#### Spain
- **Barcelona** 34-93-452-63-85
- **Bilbao** 34-94-400-88-05
- **Madrid** 34-91-710-22-75

#### Sweden
- **InfoBuild AB**
- **Stockholm** 46-8-76-46-000

#### Switzerland
- **Wallisellen** 41-44-839-49-49

#### Taiwan
- **Azion Corporation**
- **Taipei** 886-2-2356-3996
- **Galaxy Software Services, Inc.**
- **Taipei** 886-2-2586-7890, ext. 114

#### United Kingdom*
- **Uxbridge Middlesex** 44-20-7107-4000

#### Venezuela
- **InfoServices Consulting**
- **Caracas** 58212-763-1653

#### West Africa
- **InfoBuild FSA**
- **Abidjan** 225-01-17-61-15

* Training facilities are located at these offices.