

# NYS Division of Criminal Justice Services: System Modernization Project (IJPortal)

## Client Challenge:

The Integrate Justice Architecture Board (IJAB) consists of the Division of Criminal Justice Agency (DCJS), New York State Police (NYSP), Dept. of Corrections (DOCS), Department of Parole and Homeland Security. The Integrated Justice Appeal Board (IJAB) embarked on the system modernization and business process improvements across all criminal justice agencies and established the following goals:

- › Improve public safety by providing all criminal justice information under a single, integrated portal, thereby ensuring uninterrupted operations and streamlined communications for all law enforcement agencies within New York State.
- › Achieve savings and efficiencies via business/technical model to facilitate integration/re-engineering of current criminal justice legacy applications, and provide a roadmap for all future application development.

And they have following challenges:

- › Multiple NYS agencies as stakeholders under the IJAB umbrella (DCJS, NYSP, Corrections, Parole, Probation, Homeland Security), all with competing priorities
- › Mission critical, complex and high visibility system – therefore, a “big bang” approach deemed not practical. Incremental development and deployment was the only feasible option while keeping data synchronized across multiple platforms.

## The Solution:

GCOM worked as part of the team, defining the application architecture, and re-engineering all applications under the legacy eJustice suite written in Forte. These applications represented highly sensitive functions for Law Enforcement Agencies (LEA) across NYS.

This project included a preliminary analysis of system architecture and interfacing planning, as the legacy system interfaced with numerous internal, inter-agency, federal, and other third party systems.

Scope of Work performed by GCOM:

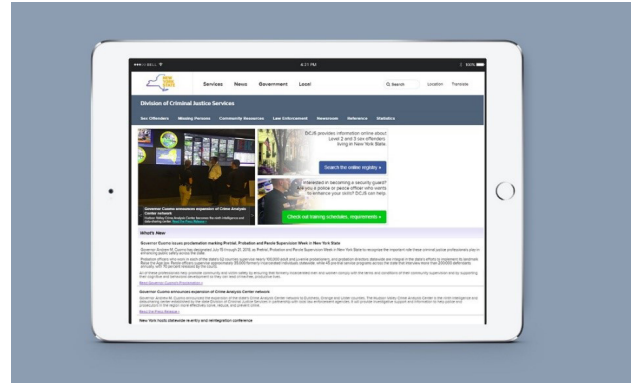
- › Establish Governance Model for enterprise applications
- › Implement Enterprise Architecture
- › Conceptual & Physical Model for Service Oriented Architecture (SOA) enabled applications
- › Security Model
- › Framework for Common Services (technical & business), UI (user interface) standards
- › Application/Data Messaging Architecture & Messaging Services
- › Creation of a Reference Application as a proof-of-concept
- › Data Center Capacity Planning
- › High Availability design for application & data tier



## Final Results

GCOM designed and developed an Enterprise Architecture based on Service Oriented Architecture (SOA). GCOM staff implemented single sign on with the help of NY Office for Technology. GCOM, based on user interviews and system studies, designed an architecture which is secure, reliable, and maintainable. As part of this initiative, GCOM defined different technology templates for capturing various aspects (requirements, performance tests, test plans, knowledge transfer plan etc.) of the system. GCOM implemented common infrastructure services and reusable components based on new framework.

GCOM delivered with distinction on all its deliverables and established state of the art enterprise and application development framework. Using these deliverables IJAB embarked on its system modernization projects and has successfully migrated from legacy systems to modern SOA enabled Java/JEE applications. The architecture, framework, and SDLC methodology implemented by GCOM has become the standard roadmap for IJPortal applications. IJAB has now become the golden standard of how other NYS agencies modernize their applications and a standard way to share data across jurisdictions.



GCOM designed and developed common auditing platform for all enterprise applications in the public safety cluster (Criminal Justice, State Police, Local PD's, Correction, Parole, etc.). This application enables investigators to see all changes for a specific person's records (or all actions performed by a user) using a common interface across all applications. The application supports structured & unstructured search.

## Why GCOM?

GCOM isn't your typical government solutions provider. GCOM combines the scale to support large complex projects with the agility and accessibility of a boutique solutions provider giving state and local government leaders a third option when looking for a partner to help modernize operations and optimize digital engagement. And we've earned a reputation for innovation and reliability by helping clients leverage cutting edge technology while mitigating risk. Whether it's helping governments transition to virtual working, incorporating biometric ID to give physicians anywhere anytime access to vital records, providing local law enforcement with complete criminal histories on-demand, or data integration platforms that monitor community health, GCOM's innovative, next generation government solutions improve operations and deliver more value to the communities they serve.