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SAN DIEGO GETS SAFER WITH ARJIS—
REAL-TIME JUSTICE INFORMATION SHARED VIA WEBMETHODS

SANDAG
ARJIS

Customer
SANDAG is an association of 18 local governments in the two California counties in the U.S. that border Mexico. SANDAG acts as a decision-making forum for the area's governments and is led by a board of directors composed of mayors, council members and county supervisors. Advisory members include the U.S. Department of Defense.

A division of SANDAG, ARJIS acts as a clearinghouse for criminal incidents and records among 81 agencies. ARJIS is responsible for major public safety initiatives and serves as the region's information hub for officer notification and information sharing as well as the exchange, validation and real-time uploading of public safety data.

Industry
Government

Solution set
• webMethods and Software AG Consulting

Key benefits
• Maximum data accessibility for law enforcement agencies
• Improved operational efficiency and public safety
• Redundant data points eliminated, increasing data quality and integrity
• Faster systems integration, thanks to standards-based, re-usable components
• Simplified information access via modern user interfaces
• Consistent views of incidents and evidence across different data sources
• Increased responsiveness due to alerts and notifications based upon predefined events
• Hundreds of thousands of dollars saved monthly in mainframe maintenance
• More reduced costs due to consolidation and standardization

IMPROVED OPERATIONAL
EFFICIENCY

SIMPLIFIED
INFORMATION ACCESS
via modern user interfaces

HUNDREDS OF THOUSANDS OF DOLLARS
SAVED MONTHLY
in mainframe maintenance

More than 11,000 law enforcement officers, adjudicators, investigators and analysts at 81 agencies rely on the Automated Regional Justice Information System (ARJIS) mainframe to protect lives. To keep the system state of the art, the public safety committee of the San Diego Association of Governments (SANDAG) wanted ARJIS to improve how information was integrated, shared and re-purposed.

ARJIS selected Software AG's webMethods platform to move off the mainframe to a service-oriented, process-centric Web-based solution to meet the dynamic needs of law enforcement. The solution re-used existing logic, helping to preserve SANDAG's IT investments. Modern interfaces, instead of green screens, make ARJIS solutions easier to use. The end result: increased information accuracy, timeliness and availability at less cost.

" *Using webMethods will reduce mainframe maintenance costs alone by hundreds of thousands of dollars a month. Changes will take less effort. We'll be able to build new functionality easily to meet new requirements.* "

— **Pam Scanlon** | Executive Director I ARJIS

Key components

webMethods Integration Server is an ESB that integrates virtually any system, enables fast service creation and can expose existing functionality as needed in new processes.

Consulting Services provided support in creating the architecture and with installation, configuration, testing, implementation and training.

Where ARJIS got its start

Getting the right information at the right time makes all the difference to law enforcement on the street. Because suspects can travel across city and county lines, they can be tough to track—unless a region has a system like ARJIS.

ARJIS provides access to real-time criminal and justice information for agencies throughout San Diego and Imperial Counties in California. The system helps protect lives and keep citizens safer. Initiatives include: wireless access to photos, warrants and other critical data in the field; crime and sex-offender mapping; crime-analysis tools evaluation; and an enterprise system of applications that helps agencies solve crimes and identify offenders.

Today, 81 justice agencies at the local, state and federal levels depend on ARJIS. Some 40,000 transactions take place on ARJIS each day. Its governance structure promotes data sharing and cooperation at all levels for member agencies, from chiefs to officers to technical staff.

Thanks to ARJIS, authorized personnel can pull together information on criminal cases, citations, gangs, arrests, traffic accidents, fraudulent documents and stolen property. Thanks to webMethods, that information is updated and exchanged in real-time, seamlessly, between systems and agencies.

Real time, real effective

Software AG has helped transform ARJIS from a more costly, hard-coded mainframe-based system into a cost-efficient, process-centric Service-Oriented Architecture (SOA).

Every piece of data flows through webMethods Integration Server, which is configured to connect several different interfaces and all of the data-entry applications. The Enterprise Service Bus (ESB) can integrate virtually any system across ARJIS. Any type of information—from fingerprints to videos—can be shared easily. The ESB will scale easily to handle any volume of data. Redundant data entry points are eliminated, which improves data quality and integrity.

Development with webMethods Integration Server is faster using out-of-the-box tools. Services and processes are built without coding or custom development.

"We are also looking forward looking to all the benefits of having an ESB-based system," said ARJIS Executive Director Pam Scanlon. "We'll be able to build new functionality easily to meet new requirements. The system is now vastly more usable, and we have greater visibility into information flow."

More than middleware

Because the ESB is part of a complete webMethods suite, more capabilities can be added as needed. For example, using webMethods BPMS, time-consuming manual processes can be automated. webMethods BPMS and Complex Event Processing (CEP) will enable ARJIS to quickly analyze and correlate different types of data. SOA governance via CentraSite will give ARJIS a single repository for processes and services to further accelerate new development.

Software AG did more than just provide software. As part of the project, consultants from Software AG helped design the new architecture. They installed and configured the software, conducted testing and assisted with the implementation. The consultants also trained the ARJIS staff on using and maintaining the webMethods products.

ABOUT SOFTWARE AG

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