



Corporate Expertise & Projects



Creative Solutions for Healthcare

Business Intelligence from Human Intelligence

Creative Solutions for Public Health

- Gensa has successfully completed healthcare projects that included
 - Conducting detailed business analysis that enables clients to define business areas that can benefit most from simple, fast automation
 - Participating on messaging standards development groups
 - Modifying PHIN HL7 standards for specialized interfaces
 - Developing HL7 messaging systems
 - Integrating HL7 messaging systems into public health organizations



Areas of Expertise

- Business Process Analysis
- Application Development
- Business Systems Integration



Areas of Expertise

- Business Process Analysis
 - Conduct detailed business analysis that enables clients to define business areas that can benefit most from simple, fast automation



Areas of Expertise

- Application Development
 - Specialize in applications based on the J2EE and Microsoft .Net architecture.
 - Applications are developed with a standard framework to ensure
 - Quality
 - Consistency
 - Ease of Maintenance
 - Rapid Development



Areas of Expertise

- Business Systems Integration
 - Service Oriented Architectures - Web Services
 - BizTalk Messaging Systems and Orchestrations



Affiliations

- Gensa Corporation or its employees belong to these organizations



Certifications

- Gensa Corporation employees have earned these certifications



Business Intelligence from Human Intelligence

Representative Projects



Office of
Statewide Health Planning and Development **osbpd**

UNITED STATES
DEPARTMENT OF VETERANS AFFAIRS



Representative Projects

- Laboratory Data Interchange System
- Response and Surveillance System for Childhood Lead Exposure
- California Immunization Registries.
- Automated Compliance System
- Prevention Activities Data System
- Position Description System



Laboratory Data Interchange System

- *Client:* California Dept. of Public Health
- *The Project:* A message integration system for county labs to request CDPH labs to perform tests and CDPH labs to report results to all stakeholders.
- *Gensa Contribution:* Designed and developed BizTalk applications to accept and process HL7 test request messages; generate PHLIP Flu Test Result messages for CDC; interface with LIMS. Used Modified PHIN HL7 and PHLIP Standards. Gensa has worked on four LDI contracts.
- *Technology:* BizTalk 2006 R2, SQL Server, Mixed ASP.Net, C#, VB



Response and Surveillance System for Childhood Lead Exposures (RASSCLE II)

- *Client:* California Dept. of Public Health - CLPPB
- *The Project:* A single statewide system for managing public health and environmental data relevant to Lead Poisoning in Children.
- *Gensa Contribution:* Gensa designed and developed the application, the physical database and the reports. Processed blood test results sent in HL7 format.
- *Technology:* Service Oriented Architecture. n-tier system based on Microsoft .Net architecture and SQL Server. Reports were developed with Business Objects



California Immunization Registries

- *Client:* California Department of Public Health
- *The Project:* develop and implement a new method to “logically bridge” eight regional immunization registry databases to enable data exchange.
- *Gensa Contribution:* Develop the conceptual and system design, define the architecture, develop the messaging system to enable messaging IAW CDC Implementation Guide for Immunization Data Transactions using V2.3.1 of the HL7 Standards. Develop the user interface.
- *Technology:* BizTalk 2006 R2, SQL Server, ASP.Net, C#



Automated Compliance System

- *Client:* University of San Francisco Office of Research
- *The Project:* A web-based Institutional Animal Care and Use Committee system that automated the compliance record keeping process.
- *Gensa Contribution:* Worked on a team designing the system and documenting technical specifications. Developed solutions to architecture and design problems.
- *Technology:* Microsoft .Net architecture, SQL Server and SharePoint.



Prevention Activities Data System

- *Client:* California Dept of Alcohol and Drug Programs
- *The Project:* A system to more effectively capture 7 page reports from providers and make the data available to all stakeholders.
- *Gensa Contribution:* Developed a 3-tier web-system (PADS) for the providers to enter and QA the data. PADS generated the reports for Federal reporting as well as for data quality checking..
- *Technology:* Oracle Database and Oracle Designer



Position Description System

- *Client:* US Dept of Veteran's Affairs Health Revenue Center (VAHRC)
- *The Project:* The VAHRC required a web based system to create, approve and query job position descriptions.
- *Gensa Contribution:* Designed and developed the system
- *Technology:* An n-tier system based on Microsoft .Net architecture and SQL Server 2005. Web Services, SQL Server Indexing Service.



Business Intelligence from Human Intelligence

Corporate Information



Corporate Status

- Founded February 1991
- Veteran Owned Business
- California Certified Small Business



Partial Client List

Government	Corporate
Department of Public Health	Northrop Grumman IT
Department of Transportation	University of California
Department of Alcohol and Drug Programs	Canine Companions for Independence
Department of Health Services	SAIC
Department of Fish and Game	Anteon
California Highway Patrol	Booz-Allen & Hamilton
Department of Insurance	Robb-Jack Corporation
Department of Motor Vehicles	Solano Economic Development Corporation
Office of Statewide Health Planning	The Davidson Institute for Client Development
State Treasurer's Office	The Jelly Belly Company



Award Winning Projects

- The US Army, Worldwide Port System project, which won The Government Computer News Government Technology Award
- The California Department of Motor Vehicles Motor Carrier Permit Project, which was nominated for the National Association of Research Executives Recognition Award
- The California Department of Insurance Fraud Integrated Database which won the Best of California award for Best Application Serving an Agency's Business Needs
- The California Department of Highway Patrol Statewide Integrated Traffic Records System which won the Best of California Award for Best IT Collaboration Among Organizations





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