

## Data Acquisition and Reporting

BSoft Solutions is a specialized IT/Business Consulting firm that provides Data Acquisition and Reporting Services to manufacturers, processors and municipal governments (primarily Water Utilities) and any facility that needs Operational Dashboards and Compliance Reporting solutions.

### The Gateway to Information

Remotely accessing the HMI, PLC and Historian data within your facility is critically important to enable centralized control and reporting. BSoft Solutions is expert at securely accessing the relevant data in a facility by designing and building high-volume “data pumps” to push the information to a data repository for further processing, integration and reporting.

A complete solution for a facility is more than simply to design, engineer and construct the physical components. Clients are asking for:

- Operational Dashboards
- Performance Analytics (shift, hour, day, week, month, etc.)
- Federal and State compliance reporting
- Component Performance (variations & anomalies)
- System-wide Performance (variations & anomalies)
- Statistical Process Controls
- Overall Equipment Effectiveness
- Mean Time to Repair
- Unplanned Downtime
- Alert Processing

“Remotely accessing the HMI, PLC and Historian data within your facility is critically important to enable centralized control and reporting.”

BSoft Solutions engineers, designs and implements Operational Reporting Systems specific to the components of your facility. Our solution provides:

- Access to data from HMIs, PLCs or Historians
- Integration with Lab Information Systems
- Reporting across entire facility
- Reporting across all facilities
- Secure availability anywhere in the world
- Multiple Communication Options – secure, hardened, robust, performant



- Multiple Communication Protocols – get the data the most effective way available
- Customizable Dashboards and KPIs
- Complete Audit Trail
- Compliance with Industry Standards
- Data archiving for 5 years
- Protected data and systems from external influences
- Data and system auditing features
- Data flow traceability
- Secure database with transparent data access for expedient data processing
- Secure configurations based on Industry Standards
- Utilization of Transparent Data Encryption utility for backup
- High Availability and Disaster Recovery
- Redundancy and Availability

BSoft Solutions provides the following Standard Documentation:

- Data Dictionary
- Entity Relationship Diagram
- Use Cases
- Process Flow Diagrams
- System Architecture Diagrams
- Data Flow Diagrams

- Functional Specification
- Technical Specification
- Requirements Traceability Matrix
- Product Documentation
- User Documentation
- Test Cases and Test Execution

- **Support** – BSoft can support the solution and provide the complete infrastructure to host and maintain the data repository and web interface.

BSoft can provide the complete infrastructure to host and maintain the data. We operate in a SSAE 16/SOC and PCI DSS compliant ISO 27001 certified facility.

“The system provides simple, useful, actionable information to monitor usage and equipment performance in order to drive down costs, optimize load, increase productivity and reduce unplanned maintenance.”

- Director of Operations  
US Based Manufacturer



“From the RFP phase, through the project development and on to the testing phase, I was extremely pleased with response times and willingness to accommodate and implement the modifications we required.”

- Facility Director  
US Manufacturing Company

### Affordable Solutions from BSoft

BSoft Solutions specializes in Data Acquisition, Mobile Application Development, Business Intelligence and Custom Application Development. We utilize these four competencies to build software solutions to meet the most rigorous specifications.

Finding the right affordable solution for our clients is a critical step in establishing a partnership. We help our clients understand the value, the solution, the costs and the complexities of any proposed solution.

### Working Together

BSoft uses an Agile approach in our projects. We separate our engagements into four phases:

- **Discovery** – We drive to a mutual understanding of what our client wants to accomplish from a business and technical perspective.
- **Design** – We create a proof-of-concept to ensure everyone is on the same page.
- **Build & Deploy** – We create and test the solution, train the users and deploy the solution into production.

### What We Do

We get the job done while putting our client’s business interest first. We are a business and information technology consulting firm that delivers value beyond what IT typically delivers. We partner with client management to achieve sustainable cost reductions, performance improvements and service innovations not previously considered possible. We work with you individually to make sure the service we provide is tailored to the needs of your business. After the project is done we are still your partner making sure the innovation we delivered creates sustainable business value.

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