

Client	Energy ISO
Profile	Client manages the state's 25,526-mile power transmission system, balancing wholesale supply to meet retail demand. The enterprise directs the flow of electricity along long-distance, high-voltage powerlines that connect the state with neighboring states as well as Mexico and Canada. It manages the transmission lines and supervises maintenance, but the transmission systems are owned and maintained by individual utilities. The not-for-profit public benefit corporation also acts as a transmission planner, identifying and approving improvements individual transmission owners make to the grid to meet state and federal standards for reliability.
Challenge	Providing qualified technical and functional resources with industry expertise for Client Nodal project.
Solution (What Bluware Did)	<p>Bluware consultants provided:</p> <ul style="list-style-type: none"> Technical expertise for testing and design of Client's SOA-based Nodal systems Technical expertise for deployment and evaluation of vendor-supplied software. <p>Bluware consultants were responsible for working with vendors in:</p> <ul style="list-style-type: none"> Identifying and resolving system design issues Executing root cause analysis on software and design issues. <p>Consultant responsibilities included the development of an SOA-based testing framework for the Nodal project. Bluware technical leads provided for the configuration framework and deployment of Nodal systems as well as for SOA testing.</p>
Benefit(s)	Substantially improved vendor developed software solutions through identification and root cause analysis of architecture and design defects. Worked on-site with vendor to provide development testing support to streamline defect analysis and remediation. SME for vendor architecture and deployment configuration and optimization. Identified and improved vendor architecture and design. Substantially improved turn-around time on software deployment and defect analysis improving testing turnaround times.
Consultants	Team included Infrastructure System Architect(s), Oracle PM, Oracle Senior Developer, Web App Developer, Senior System Admin, Java Senior Developer, Sr. Unix Admin.
Type	Design and development of multiple custom applications and integration with vendor-developed applications (COTS) within an SOA-based infrastructure.
Project length	20 months
Tools/Technology Utilized	Java, TIBCO, Apache, Oracle, Sun Solaris, JBoss, Actional Intermediary, Siebel, Unix, Cognos